

**APPENDIX TO FY24
SCHOOL BUDGET**



Scarborough Public Schools

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BUDGET DOCUMENTS ARE AVAILABLE ON OUR WEBSITE
www.scarboroughschools.org/board/budget

School Budget Categories

In 2007, a state statute (MRSA 20-A, §1486) was passed requiring school budgets to be validated each year by local referendum. An accompanying statute stated that school budgets were to be presented in 11 defined categories, and Department of Education reporting requirements were developed to ensure that all school districts in the state would identify expense types in the same way. This is why our detailed budget account document is presented in its current format, by category and then by school or location. We believe it is more intuitive to think of our schools as unified organizations, rather than separating out types of services. Since the School Budget Referendum figures are posted in these categories, however, we want to be sure that citizens know what they include.

REGULAR INSTRUCTION

Regular Instruction Programs

Includes salaries and benefits for all general education classroom and academic support teachers, instructional support staff and substitutes; instructional supplies, books, equipment and online resources; staff professional learning and course reimbursement; and operational expenses like equipment repairs, copiers and printing, mileage reimbursement, and dues and fees for professional memberships. Each of these expense types is further broken out by school.

ESL – Programs for English Language Learners

Includes salaries and benefits for teachers of English language learners, contracted interpreters, staff development and instructional supplies.

GATES – Gifted & Talented Education Services

Includes salaries and benefits for teachers of Gifted and Talented Education Services, staff development and instructional supplies.

SPECIAL EDUCATION PROGRAMS

Includes salaries and benefits for all special education classroom teachers and specialists (speech therapists, occupational therapists, physical therapist and psychologists), social workers, ed techs and substitutes; instructional supplies, books and equipment. Also included in this category are salaries and benefits for directors and administrative support staff, summer program costs, legal fees for Special Education related services, and tuition for students who have been placed in special purpose private schools to access appropriate educational programming. (Local spending for Special Education is supplemented by Federal IDEA grant supplements.)

CTE INSTRUCTION – Career & Technical Education

This category holds the funds we pay to Portland Arts & Technology High School (PATHS) and Westbrook Regional Vocational Center (WRVC) for Scarborough's attending students. Starting in FY19, the state Department of Education began directly funding the CTE schools with General Purpose Aid (GPA), and sending schools will now only be responsible for minimal costs not funded by the state. There is no current expenditure budgeted in this category.

OTHER INSTRUCTION

Co-Curricular

Includes stipends for High School, Middle School and Wentworth club advisors, as well as club supplies, purchased services, transportation and participation fees.

Extra-Curricular

Includes stipends for Middle School and High School athletic coaches, game officials, ice and pool time, software, supplies, equipment and transportation. Also includes salaries and benefits for the Director of Athletics and Activities, his administrative assistants, and the Athletic Trainer; phones and staff mileage reimbursement.

STUDENT AND STAFF SUPPORT

Student Support Services

Guidance Services

Includes salaries and benefits for guidance counselors and 50% of school social workers, as well as support staff at the High School, Middle School and Wentworth; software licenses (college placement/testing), supplies, books, postage (parent/student communications) and professional dues. Each of these expense types is further broken out by school.

Health Services

Includes salaries and benefits for school nurses, LPNs and substitutes; consulting physician fee, staff immunizations (HepB), case management software, medical supplies, books and equipment, postage (parent communications), staff development, mileage reimbursement for itinerant staff, and professional dues.

Instructional Technology

Includes salaries and benefits for IT staff (paid to the Town), software licenses and service agreements, tech equipment purchases and repairs.

Staff Support Services

Improvement of Instruction

Includes salaries and benefits for the Director of Curriculum and Assessment, admin assistant, district librarian/tech specialist, student data specialists, and district SEL Specialist; testing and student assessment materials and processing; books, equipment, online resources and instructional materials for new curricula, professional learning in support of new curricula and quality assurance (teacher stipends, workshops/speakers/resources); phones and staff mileage reimbursement.

Library Services

Includes salaries and benefits for librarians and library ed techs; online services (circulation management) and resources (instructional), books and equipment, staff mileage reimbursement and professional dues. Each of these expense types is further broken out by school.

SYSTEM ADMINISTRATION

Includes salaries and benefits for the Superintendent, Assistant Superintendent, Director of Business and Finance and Central Office support staff, as well as School Board stipends; district-wide expenses for administrators' course reimbursement and professional learning, liability insurance, unemployment assessments, legal and audit services, district membership fees to professional organizations; operational expenses for phones, postage, copiers, advertising, business equipment purchase and repairs, mileage reimbursement, office supplies and subscriptions.

SCHOOL ADMINISTRATION

Includes salaries and benefits for school principals, assistant principals and their administrative assistants, operational expenses for phones, postage, office supplies, and professional dues. The High School budget also includes expenses for graduation. Each of these expense types is further broken out by school.

TRANSPORTATION AND BUSES

Includes wages and benefits for bus drivers (school regular, summer programs, community services and spares), as well as salaries and benefits for Transportation Director and dispatcher; bus fuel, repairs and maintenance, vehicle insurance, DOT driver physicals and drug testing, tolls, meal and mileage reimbursement, phones, and copiers.

FACILITIES MAINTENANCE

Includes wages and benefits for custodians (regular shifts, event coverage & substitutes), maintenance workers, the Director of Facilities & Maintenance, the Maintenance foreman, Facilities Operations Supervisor and administrative assistant; property casualty insurance, energy and utilities (electricity, natural gas, fuel oil, propane, water/sewer), custodial supplies, maintenance supplies and materials, building equipment and furnishings replacement, contracted maintenance services (snow removal, HVAC, electrical work, plumbing, painting, roofing, pest control, etc.), waste removal, composting and recycling, vehicle fuel and maintenance, uniforms and shoes, licenses and fees.

DEBT SERVICE

This category holds the funds for annual payments scheduled on bonds issued for prior years' school capital projects.

ALL OTHER EXPENDITURES

There is no current expenditure budgeted in this category.

Scarborough Public Schools

Comprehensive Education Plan (CEP)



SPS Mission Statement:

The fundamental purpose of the Scarborough Public Schools is to provide a safe and inclusive learning environment where each and every student is empowered to be a resilient, lifelong learner who is prepared to engage as a contributing member of society.

SPS Long-Range Vision for Continuous Improvement:

Scarborough Public Schools will be a high quality, forward-looking public school district known for its whole child approach that, together with dynamic academic programs, enriching co-curricular experiences and a vibrant learning community that challenges students, excites their imagination and instills excellence in thought and action while preparing them for highly engaged and fulfilling lives.

- **Strategic Theme 1: Effective Teaching and Learning**
- **Strategic Theme 2: Safe and Inclusive Schools**
- **Strategic Theme 3: Global Citizenship**
- **Strategic Theme 4: Community Engagement**

SPS Core Value Statement and Collective Commitments:

We believe that decisions in planning, instruction and continuous improvement of our schools must be made with students' individual needs and interests as our primary consideration.

Scarborough Public Schools

Long-Range Vision for Continuous Improvement

Scarborough Public Schools will be a high quality, forward-looking public school district known for its whole child approach that, together with dynamic academic programs, enriching co-curricular experiences and a vibrant learning community that challenges students, excites their imagination and instills excellence in thought and action while preparing them for highly engaged and fulfilling lives.

Strategic Theme 1: Effective Teaching and Learning

Provide world-class, student-centered teaching and learning to prepare every student to thrive in learning, career, and life.

Strategic Improvement Targets:

- Develop a culture of learning and growth for all students, staff, and families.
- Ensure clear K-12 curriculum standards and reporting practices to advance student learning.
- Create and utilize a variety of formative and summative assessments to advance learning and provide multiple options for all students to demonstrate their learning.
- Continuously monitor effectiveness of student-centered decisions by examining student growth data.
- Provide resources, optimize time, and facilitate multiple pathways to ensure that students are able to engage in cooperative, inquiry-based, authentic, and relevant activities to advance their learning.
- Engage in the Professional Learning System (PLT, PE/PG, Instructional coaching and mentoring) with fidelity to support a student-centered learning focus.

Strategic Theme 2: Safe and Inclusive Schools

Provide welcoming and inclusive learning environments that promote safety, foster meaningful relationship building, and enhance the well-being (physical, social, and emotional) of students and staff.

Strategic Improvement Targets:

- Advocate for and nurture a positive climate and culture of student-centered learning in which all school community members are engaged, have opportunities for voice and choice, and feel safe to take risks.
- Instill a shared responsibility for the growth of all students within the K-12 learning community and across all content areas.

Scarborough Public Schools

Long-Range Vision for Continuous Improvement

Strategic Theme 3: Global Citizenship

Develop, in each student, the skills for engaged citizenship (locally and globally), the appreciation of one's own culture and those of others, and the disposition to use individual talents to make positive changes in the world.

Strategic Improvement Targets:

- Create and strengthen student-directed opportunities for community service, civic learning, and service learning (K-12) that encourage high levels of student engagement.
- Promote students' understanding of and advocacy for directing their own learning, promoting resiliency and confidence in every student.

Strategic Theme 4: Community Engagement

Partner with the Scarborough community by responsibly managing school resources, making better use of community and business resources, and regularly communicating progress on school improvement efforts.

Strategic Improvement Targets:

- Build and support a positive student-centered culture and climate where there is a shared responsibility by all stakeholders.
- Develop and maintain a consistent and reliable process to keep the community informed about our schools (news, accomplishments, and expectations).
- Find operational efficiencies and explore alternative, non-tax revenue sources (grants, awards, etc.).
- Increase use of community and business resources in student experiential learning and career exploration.
- Make organizational decisions with students' needs and interests in mind to ensure that both operational and human resources are available to foster a student-centered learning environment and facilitate continuous professional growth.

Budget FY24 Staff List

(as of March 2023)

Last Name	First Name	Location	Position		FTE	Cost Center	
Middle School							
Teachers & Professionals							
	AVERY	KERRY ELLEN	MS	GATES Teacher	GATES/Math	1.000	71029005 510100
	BACON	COLLEEN	MS	MS Teacher	Literacy Workshop	1.000	71000002 510100
	BENNETT	DOUGLAS	MS	MS Teacher	8th Grade/Soc Studies	1.000	71000002 510100
	BINDER	ANN	MS	Speech/Language Therapist	Special Services	0.800	71023095 510100
	BISHOP	JENNIFER	MS	MS Librarian	Learning Commons	1.000	71022202 510100
	BIZUB	STEVEN	MS	MS Teacher	Music/Band	1.000	71000002 510100
	BRACY	KARI	MS	MS Teacher	7th Grade Math/SS	1.000	71000002 510100
	CABANA	WILLIAM	MS	MS Teacher	6th Grade/Soc Studies	1.000	71000002 510100
	CAPANO	ANDREA	MS	MS Instructional Coach	Instructional Coach	1.000	71000002 510100
	CARLE	GAIL	MS	SpEd Teacher	Resource Room/ELA	1.000	71023095 510100
	CASSIDY	ERIN	MS	SpEd Teacher	Functional Life Skills	1.000	71023095 510100
	CHESTER	ELIZABETH	MS	MS Teacher	6th Grade/Science	1.000	71000002 510100
	CONROY	JESSICA	MS	MS Teacher	6th Grade/ELA	1.000	71000002 510100
	CROSBY	MICHAEL	MS	MS Teacher	8th Grade/ELA	1.000	71000002 510100
	DAIGLE	SCOTT	MS	MS Teacher	STEM	1.000	71000002 510100
	FARESE	LISA	MS	MS Teacher	Academic Center	1.000	71000002 510100
	FASULO	ASHLEIGH	MS	SpEd Teacher	Social Life Skills	1.000	71023095 510100
	GEARHART	AMANDA	MS	MS Teacher	Art	1.000	71000002 510100
	GESLIN	JEAN	MS	MS Teacher	World Language/French	1.000	71000002 510100
	GHIKAS	OLIVIA	MS	MS Teacher	7th Grade/Math	1.000	71000002 510100
	GIDDINGS	ANDREA	MS	MS Teacher	Math Workshop	1.000	71000002 510100
	GRANT	MICHELLE	MS	MS Guidance Counselor	Guidance	1.000	71021202 510100
	GRIFFIS	SUSAN	MS	SpEd Teacher	Resource Room/Math	1.000	71023095 510100
	HAGELIN	TOBIN	MS	ESL Teacher	ESL	1.000	71041005 510100
	HANSON	CRAIG	MS	MS Teacher	STEM	1.000	71000002 510100
	HERENDEEN	LAUREL	MS	MS Teacher	6th Grade Science/SS	1.000	71000002 510100
	HOULETTE	SHANNAN	MS	MS Teacher	8th Grade/Math	1.000	71000002 510100
	HUNTINGTON	ERIC	MS	MS Teacher/Instructional Coach	Technology Instructional Coach	1.000	71000002 510100
	JACQUES	HEATHER	MS	MS Teacher	6th Grade/Science	1.000	71000002 510100
	JOHNSTON	AMY	MS	MS Teacher	7th Grade/ELA/Math	1.000	71000002 510100
	KELLY	JESSICA	MS	GATES Teacher	GATES/ELA	1.000	71029005 510100
	KUHN	KATE	MS	MS Teacher	Bridge program	1.000	71000002 510100
	LAFLAMME	CARA	MS	MS Teacher	7th Grade/Science/Math	1.000	71000002 510100
	LAFOND	MAURA	MS	MS Teacher	7th Grade/Science	1.000	71000002 510100
	LECLAIR	JILL	MS	MS Teacher	6th Grade/ELA/SS	1.000	71000002 510100
	LEMONT	BRIAN	MS	MS Teacher	8th Grade/Science	1.000	71000002 510100
	LEONHARTT	STEPHANIE	MS	Occupational Therapist	Special Services/OT	1.000	71023095 510100
	LIBBY	JENNIFER	MS	MS Teacher	Phys Ed/Wellness	1.000	71000002 510100
	LINSBECK-PERRON	TENA	MS	MS Teacher	8th Grade/Soc Studies	1.000	71000002 510100
from ESSER	LYONS	TIMOTHY	MS	MS Teacher	8th Grade/Science	1.000	71000002 510100
	MAGILL	ETHAN	MS	MS Instructional Coach	Teacher Lead Student Support	1.000	71000002 510100
	MARCEAU	NICOLE	MS	MS Teacher	8th Grade/Math	1.000	71000002 510100
	MARINUT	CIPRIAN	MS	MS Teacher	Phys Ed/Wellness	0.700	71000002 510100
	MAZUR	HEATHER	MS	MS Teacher	Phys Ed/Wellness	1.000	71000002 510100
	MCCAMBRIDGE	HAYLEY	MS	MS Teacher	7th Grade/Soc Studies	1.000	71000002 510100
	MILLHOLLAND	AMANDA	MS	MS Teacher	World Language/Spanish	1.000	71000002 510100
.5 SpEd	MOKRISKI	TRICIA	MS	MS Social Worker	Social Worker	1.000	71021202/21125 510100
	MURPHY	MICHAEL	MS	MS Teacher	6th Grade/Math/SS	1.000	71000002 510100
	MURTHA	ALYSON	MS	MS Guidance Counselor	Guidance	1.000	71021202 510100
.5 SpEd	NAPPI	BERKELEY	MS	MS Social Worker	Social Worker	1.000	71021202/21125 510100
	NEAL	STEPHANIE	MS	MS Teacher	7th Grade/ELA	1.000	71000002 510100
	O'BRIEN	SHANNON	MS	SpEd Teacher	Behavior Specialist	1.000	71023095 510100
	PAGE	MARY ANN	MS	MS Teacher	8th Grade/Math	1.000	71000002 510100
	PEREZ ESTEVEZ	JUSTO	MS	MS Teacher	World Language/Spanish	1.000	71000002 510100
	PHILLIPS	NOAH	MS	MS Teacher	7th Grade/Math	1.000	71000002 510100
	POWERS	RACHEL	MS	SpEd Teacher	Resource Room/Math	1.000	71023095 510100
	RAND	KAREN	MS	MS Teacher	7th Grade/ELA	1.000	71000002 510100
	RICHARD	IRENE	MS	SpEd Social Worker	Social Worker	1.000	71021125 510100
	ROBINSON	JENNIE	MS	MS Teacher	6th Grade/ELA	1.000	71000002 510100
	ROWLEY	CHRISTOPHER	MS	MS Teacher	Phys Ed/Wellness	1.000	71000002 510100
	SMITH	RACHEL	MS	MS Teacher	7th Grade/Social Studies	1.000	71000002 510100
	STEBBINS	JUSTIN	MS	MS Teacher	Instructional Coach	1.000	71000002 510100
	STEWART	TRACY	MS	MS Teacher	8th Grade/Science	1.000	71000002 510100
	TAIT	KRYSTEN	MS	SpEd Teacher	Resource Room/ELA	1.000	71023095 510100

Last Name	First Name	Location	Position		FTE	Cost Center	
TARDIF	MARK	MS	MS Teacher	6th Grade/Math	1.000	71000002	510100
TEEL	SUSAN	MS	SpEd Teacher	Academic Life Skills	1.000	71023095	510100
TEMPLE	JAMES	MS	SpEd Consulting Teacher	Special Services	1.000	71023095	510100
TRIANCE	TASHA	MS	MS Teacher	8th Grade/Soc Studies	1.000	71000002	510100
TSUJIURA	SHELLY	MS	MS Teacher	7th Grade/Science	1.000	71000002	510100
VIOLA	DONNA	MS	MS Teacher	6th Grade/SS	1.000	71000002	510100
VIOLA	ROBIN	MS	MS Teacher	World Language/French	1.000	71000002	510100
WEYMOUTH	SCOTT	MS	MS Teacher	6th Grade/Math	1.000	71000002	510100
WHITE	GARRETT	MS	MS Teacher	Art	1.000	71000002	510100
WHITE	KRISTI	MS	MS Teacher	8th Grade/ELA	1.000	71000002	510100
WILLIAMS	RACHEL	MS	MS Teacher	Music/Band	1.000	71000002	510100
WOOD	SUSAN	MS	SpEd Teacher	Social Life Skills	1.000	71023095	510100

Support Staff

ARSENAULT	ELIZABETH	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
ASHMORE	ROBIN	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
AUCOIN	MICHAEL	MS	MS Ed Tech 3	Student Support	1.000	71000002	510230
BEAULIEU	BRADLEY	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
CASEY	JENNIFER	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
CROVO	NICOLE	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
DONLIN	EMILY	MS	Clerk/Receptionist	Administration	1.000	71024102	511800
EISNOR	ALICIA	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
GILBERT	VIRGINIA	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
GLASBERG	SHAUNA	MS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023095	510230
HAMMOND	BENJAMIN	MS	MS Ed Tech 3	Building	1.000	71000002	510230
KASPER	JORIE	MS	MS Ed Tech 3	Building	1.000	71000002	510230
KELLEY	MICHAEL	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
LE COMTE	RAYMOND	MS	SpEd Ed Tech 2	Special Services/ALS	1.000	71023095	510230
LEMELIN	VICTORIA	MS	MS Secretary	Administration/Student Advocate	1.000	71021202	511800
LOTT	KASEY	MS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023095	510230
MCGILLVRAY	LAURA	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
MENARD	BRIGITTE	MS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
MOYLAN	CHRISTOPHER	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
MULCAHEY	MICHELLE	MS	MS Secretary	Administration	1.000	71024102	511800
NEIL	JONATHAN	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
NEY	HEATHER	MS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
PEASE	BELINDA	MS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023095	510230
ROBERTS	KELLY	MS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
SMITH	MARK	MS	SpEd Ed Tech 3	Special Services/SLS	0.700	71023095	510230
STROUT	BARBARA	MS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
TRACY	REINE	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
VAFIADES	DIANE	MS	MS Ed Tech 3	Learning Commons	1.000	71022202	510230
open positions		MS	SpEd Ed Tech 3	Special Services	1.300	71000002	510230

Leadership Team

SCULLY	ANGELA	MS	MS Asst. Principal	Administration	1.000	71024102	510400
TIRRELL	KATHLEEN	MS	MS Principal	Administration	1.000	71024102	510400

Wentworth School

Teachers & Professionals

ALBERT	CHRISTINE	WS	WS Teacher	Literacy Support	1.000	71000003	510100
ALVES	LAURIE	WS	WS Teacher	5th Grade	1.000	71000003	510100
ANTROPOVA COSMA	ANNA	WS	ESL Teacher	ESL	1.000	71041005	510100
ASH-CUTHBERT	KRYSTAL	WS	WS Teacher	5th Grade	1.000	71000003	510100
ATHEARN	SARAH	WS	WS Teacher	STEM	1.000	71000003	510100
BAILEY	MEGAN	WS	Speech/Language Therapist	Special Services	1.000	71023095	510100
BARRETT	JESSICA	WS	WS Teacher	3rd Grade	1.000	71000003	510100
BERGREN	SHEILA	WS	WS Teacher	4th Grade	1.000	71000003	510100
from ESSER	BRENERMAN	WS	WS Teacher	Classroom teacher	1.000	71000003	510100
CESERE	GWENDOLYN	WS	WS Teacher	3rd Grade	1.000	71000003	510100
CHANG	AMY	HS	Speech/Language Therapist	Special Services	1.000	71023095	510100
CHIN	JANEEN	WS	WS Teacher	3/4 Grade	1.000	71000003	510100
CLIVE	JOELLEN	WS	WS Instructional Coach	Technology	1.000	71000003	510100
COLEMAN	MATTHEW	WS	WS Teacher	5th Grade	1.000	71000003	510100
CORRIVEAU	JESSICA	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
DAVIS	TANYA	WS	WS Teacher	3rd Grade	1.000	71000003	510100
.5 SpEd	DEMUCCI	WS	WS Social Worker	Social Worker	1.000	71021203/21125	510100

	Last Name	First Name	Location	Position		FTE	Cost Center	
	DESHAIES	JAMIE	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	EMERSON	TANYA	WS	SpEd Teacher	Special Services/FLS	1.000	71023095	510100
	FLETCHER	CHRISTOPHER	WS	WS Teacher	Music/Band	1.000	71000003	510100
from ESSER	GIGUERE	RHONDA	WS	WS Teacher	Classroom teacher	1.000	71000003	510100
	GOODALL	KRISTIN	WS	WS Teacher	Music	1.000	71000003	510100
	GRAY	STEPHANIE	WS	SpEd Teacher	Special Services/SLS	1.000	71023095	510100
	GRIFFIN	CARLA	WS	WS Teacher	Math Support	1.000	71000003	510100
	GULEZIAN	RACHEL	WS	WS Guidance Counselor	Guidance	1.000	71021203	510100
	HEWITT	CATHERINE	WS	WS Teacher	3/4 Grade	1.000	71000003	510100
	HOLLATZ	ALEXANDER	WS	WS Teacher	5th Grade	1.000	71000003	510100
	HUTH	ERIN	WS	WS Teacher	4th Grade	1.000	71000003	510100
	JOHNSON	BRANDEN	WS	WS Teacher	STEM	1.000	71000003	510100
	KEATING	ANGELA	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	KITCHIN	KEITH	WS	WS Teacher	Phys Ed	1.000	71000003	510100
	KNAPP	BRANDI	WS	Occupational Therapist	Special Services	1.000	71023095	510100
	LABONTY	GAIL	WS	WS Teacher	5th Grade	1.000	71000003	510100
	LASALLE	CYNTHIA	WS	WS Teacher	4th Grade	1.000	71000003	510100
	LAYTON	ALLISON	WS	WS Social Worker	Social Worker	1.000	71021125	510100
	LEDUE	CLAIRE	WS	GATES Teacher	GATES	1.000	71029005	510100
K-5	LEWIS	MICHAEL	K-5	WS Librarian	Learning Commons	0.500	71022203	510100
	LYFORD	CARI	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	LYONS	KATHERINE	WS	Behavior Specialist	Special Services	1.000	71023095	510100
	MACDONALD	LINDSEY	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	MACKENZIE	LAURA	WS	SpEd Teacher	Special Services/ALS	1.000	71023095	510100
	MADDOCK	MELISSA	WS	WS Teacher	4th Grade	1.000	71000003	510100
	MAHONEY	MADISON	WS	WS Teacher	Art	1.000	71000003	510100
	MALCOLM	ANDREW	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	MARSHALL	JAMES	WS	WS Teacher	5th Grade	1.000	71000003	510100
	MARTEL	DANIELLE	WS	WS Guidance Counselor	Guidance	1.000	71021203	510100
	MATTOZZI	DOMINIQUE	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	MCPHERSON	MICHELLE	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	MILLS	MELISSA	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	NEEDLE	JOSHUA	WS	WS Teacher	5th Grade	1.000	71000003	510100
	NICHOLAS	JOHN	WS	WS Teacher	Phys Ed	1.000	71000003	510100
	OUELLETTE	AMY	WS	WS Teacher	5th Grade	1.000	71000003	510100
	OUELLETTE-TUKEY	KELLY	WS	WS Instructional Coach	ELA	1.000	71000003	510100
	PARADIS	CRYSTAL	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	PLUMMER	PETREA	WS	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	PRIMEAU	KATRINA	WS	Behavior Specialist	Special Services	1.000	71023095	510100
	PROVENCAL	LISA	WS	WS Teacher	4th Grade	1.000	72614003	510100
	PRZYBYLOWICZ	MICHELLE	WS	WS Teacher	Literacy Support	1.000	71000003	510100
	REAGAN	PATRICK	WS	WS Teacher	5th Grade	1.000	71000003	510100
.5 SpEd	SCHRODER	ALEXANDRA	WS	WS Social Worker	Social Worker	1.000	71021203/21125	510100
	SELLINGER	RICHARD	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	SLOATMAN	DAVID	WS	WS Teacher	4th Grade	1.000	71000003	510100
	SOULES	ELIZABETH	WS	WS Teacher	Math Support	1.000	71000003	510100
	STANKIEWICZ	ALISON	WS	WS Teacher	3rd Grade	1.000	71000003	510100
	STELNECKI	ANNE	WS	WS Teacher	5th Grade	1.000	71000003	510100
	STULTS	DIANE	WS	SpEd Consulting Teacher	Special Services	1.000	71023095	510100
	SULLIVAN	AMY	WS	WS Teacher	4th Grade	1.000	71000003	510100
	SWEATT	TAMMY	WS	WS Instructional Coach	Math Instructional Coach	1.000	71000003	510100
	VAFIADES	MONICA	WS	WS Teacher	World Language	1.000	71000003	510100
	VEILLEUX	JUDEMARIE	WS	WS Teacher	4th Grade	1.000	71000003	510100
	WHITE	DILLEN	WS	SpEd Teacher	Special Services/SLS	1.000	71023095	510100
	WILLWERTH	ABIGAIL	WS	WS Teacher	Art	1.000	71000003	510100
	YOUNG	JEAN	WS	WS Teacher	5th Grade	1.000	71000003	510100
Support Staff								
	BARRETT	SAMUEL	WS	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	BELL	SHERRY	WS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
	BERRY	LACEY	WS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023095	510230
	BOGART	MARGARET	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
	BOWERS	DENA	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
	BRUNETTE	NICHOLAS	WS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
	CARIFIO	MELISSA	WS	WS Ed Tech 3	Building	1.000	71000003	510230
	CASHMAN	SERENA	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
	DAIGLE	MELISSA	WS	WS Ed Tech 3	Building	1.000	71000003	510230
	DEROSA	MICHAEL	MS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
	DIBIASE	NICHOLAS	WS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
	DURGIN	HILLORY	WS	WS Ed Tech 3	Learning Commons	0.400	71022203	510230
	DYER	ELSIE	WS	WS Secretary	Administration	1.000	71024103	511800

Last Name	First Name	Location	Position		FTE	Cost Center	
EBENHOEH	HEATHER	WS	WS Ed Tech 3	Learning Commons	1.000	72615003	510100
FARAGO	LISA	WS	WS Ed Tech 3	Learning Commons	0.600	71022203	510230
FAVREAU	MARTI	WS	WS Ed Tech 3	Academic Support	1.000	71000003	510230
FRASER	KYRA	WS	WS Ed Tech 3	Academic Support	1.000	71000003	510230
GRIFFIN	ABIGAIL	WS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
HAFNER	TAMMY	WS	SpEd Ed Tech 1	Special Services/FLS	1.000	71023095	510230
HERRICK	LINDA	WS	SpEd Ed Tech 3	Special Services/RR	0.500	71023095	510230
KEARNEY-GRAFFAM	LAYNE	WS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
LANDRY	LYNDA LEE	WS	WS Ed Tech 3	Guidance	1.000	71021203	510230
LONG	KIMBERLY	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
MACMILLAN	KESLEY	WS	SpEd Ed Tech 2	Special Services/SLS	1.000	71023095	510230
MOORE	GABRIELLE	WS	SpEd Ed Tech 1	Special Services/FLS	1.000	71023095	510230
MURPHY	LAUREN	WS	WS Ed Tech 3	Building	1.000	71000003	510230
PRATT	LARISSA	WS	WS Ed Tech 3	Academic Support	1.000	71000003	510230
SCHIER	KATHERINE	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
SCHWEIZER	JENNIFER	WS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023095	510230
SPOERL	HANNAH	WS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023095	510230
SULLIVAN	KAREN	WS	SpEd Ed Tech 3	Special Services/RR	1.000	71023095	510230
URQUHART	WENDY	WS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023095	510230
WEIDNER	CHARLES (IAN)	WS	WS Ed Tech 3	Building	1.000	71000003	510230
WHITNEY	DEBORAH	WS	WS Ed Tech 3	Building	1.000	71000003	510230
open position	(STUESSER)	WS	WS Ed Tech 3	Building	1.000	71000003	510230
open positions		WS	SpEd Ed Tech 3	Special Services	2.000	71023095	510230

Leadership Team

CROSBY	KELLI	WS	WS Principal	Administration	1.000	71024103	510400
STONER	BREM	WS	WS Asst. Principal	Administration	1.000	71024103	510400

Blue Point School

Teachers & Professionals

	ALTIERI	MEGAN	BP	BP Teacher	2nd Grade	1.000	71000004	510100
	BALBONI	MARA	BP	Title IA Teacher	Literacy Support	1.000	72222235	510100
	BLOOM	LORI	BP	BP Teacher	Loops 1st and 2nd Grade	1.000	71000004	510100
	CHAPLES	JESSICA	BP	BP Teacher	Art	0.500	71000004	510100
K-2 shared	CLEMENTS	MARGARET	BP	K-2 Instructional Coach	Math	0.330	71000004	510100
	DAIGLE	JILLIAN	BP	BP Teacher	1st Grade	1.000	71000004	510100
	DEMERS	ASHLEY	BP	SpEd Teacher	Special Services/FLS	1.000	71023095	510100
	DOWLING	MARILISA	BP	BP Teacher	Loops 1st and 2nd Grade	1.000	71000004	510100
	GRANT	MARCIA	BP	BP Teacher	Phys Ed/Health	1.000	71000004	510100
	HART	MEGAN	BP	BP Teacher	Academic Support	1.000	71000004	510100
K-2 shared	HENDERSON	ANN MARIE	BP	BP Instructional Coach	ELA	0.330	71000004	510100
	JOY	GABRIELLA	BP	BP Teacher	1st Grade	1.000	71000004	510100
	KERKHOFF	DARIA	BP	BP Teacher	Kindergarten	1.000	71000004	510100
K-5	LEWIS	MICHAEL	BP	BP Librarian	Learning Commons	0.160	71022204	510100
K-2 shared	LITROCAPES	KATHERINE	BP	BP Social Worker	Social Worker	1.000	71021204/21125	510100
	LY	LEAH	BP	BP Teacher	Kindergarten	1.000	71000004	510100
	MARTELLE	ANDREW	BP	BP Teacher	Music	0.600	71000004	510100
	MAURER	KARA	BP	BP Teacher	Kindergarten	1.000	71000004	510100
	MCLEAN	ALISON	BP	BP Teacher	2nd Grade	1.000	71000004	510100
K-2 shared	O'NEILL	KELSEY	BP	K-2 Instructional Coach	Instructional Technology	0.330	71000004	510100
	POMERLEAU	ROSEMARIE	BP	SpEd Teacher	Special Services/RR	1.000	71023095	510100
	RANDALL	ABBEY	BP	BP Teacher	Kindergarten	1.000	71000004	510100
	SHEEHAN	AIMEE	BP	BP Teacher	Loops 1st and 2nd Grade	1.000	71000004	510100
K-2/from ESSER	SZEMAN	MOLLY	BP	K-2 Guidance Counselor	Guidance	0.330	71021204	510100
	TAYLOR	AMY	BP	BP Teacher	Loops 1st and 2nd Grade	1.000	71000004	510100

Support Staff

BROWNHILL	CAROLYN	BP	BP Ed Tech 3	Learning Commons	1.000	71022204	510230
BURNES	LISA	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
CONCEISON	BETH	BP	BP Ed Tech 3	Academic	1.000	71000004	510230
DOERNER	JOANNE	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
DUFFY	MAUREEN	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
GEESAMAN	KIMBERLY	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
HADDAD	JULIEANN	BP	SpEd Ed Tech 1	Special Services	1.000	71023095	510230
HUBERT	MARY	BP	BP Ed Tech 3	Building	1.000	71000004	510230
IURETIG	JULIA	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
ROMANO	KATRINA	BP	BP Ed Tech 3	Building/Student Support	1.000	71000004	510230
STAPLES	ELIZABETH	BP	BP Ed Tech 3	Building	1.000	71000004	510230

Last Name	First Name	Location	Position		FTE	Cost Center	
STOLZ	CHRISTINE	BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
THOMAS	HALLIE	BP	BP Secretary	Administration	1.000	71024104	511800
VELEZ-PEREZ	LYRIAM	BP	BP Ed Tech 3	Building	1.000	71000004	510230
open position		BP	SpEd Ed Tech 3	Special Services	1.000	71023095	510230

Leadership Team

MULLEN-MARTIN	KELLY	BP	BP Principal	Administration	1.000	71024104	510400
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Eight Corners School

Teachers & Professionals

.5 SpEd	ANDERSON	KATHRYN	EC	EC Social Worker	Social Worker	1.000	71021205/21125	510100
	CECERE	MICHELE	EC	SpEd Teacher	Special Services	1.000	71023095	510100
K-2	CLEMENTS	MARGARET	EC	K-2 Instructional Coach	Math	0.330	71000005	510100
	CROWELL	ASHLEY	EC	EC Teacher	1st Grade	1.000	71000005	510100
	DETERDING	KAREN	EC	EC Teacher	2nd Grade	1.000	71000005	510100
	DEVIN	JAIME	EC	EC Teacher	Kindergarten	1.000	71000005	510100
	FICKETT-ALLEN	SUSAN	EC	EC Teacher	1st Grade	1.000	71000005	510100
	FOSS	KIMBERLY	EC	EC Teacher	Kindergarten	1.000	71000005	510100
	GOLOJUCH	NANCY	EC	EC Teacher	2nd Grade looping	1.000	71000005	510100
	GRIFFIN	KATE	EC	EC Teacher	2nd Grade Looping	1.000	71000005	510100
	HACKU	COLLEEN	EC	EC Teacher	1st Grade	1.000	71000005	510100
K-2	HENDERSON	ANN MARIE	EC	K-2 Instructional Coach	ELA	0.330	71000005	510100
	HILL	EMILY	EC	EC Teacher	Art	0.600	71000005	510100
	KEAY	ERICA	EC	EC Teacher	Academic Support	1.000	71000005	510100
K-5	LEWIS	MICHAEL	K-5	EC Librarian	Learning Commons	0.170	71022205	510100
	MANNION	LINDSEY	EC	Speech/Language Therapist	Special Services	1.000	71023095	510100
	NEAULT	SARA	EC	EC Teacher	1st Grade looping	1.000	71000005	510100
	NEWELL	CATHERINE	EC	EC Teacher	Music	0.600	71000005	510100
	NIEMIEC	ELICIA	EC	EC Teacher	Phys Ed/Health	1.000	71000005	510100
K-2	O'NEILL	KELSEY	EC	K-2 Instructional Coach	Instructional Technology	0.330	71000005	510100
	PEABODY	AMANDA	EC	EC Teacher	2nd Grade	1.000	71000005	510100
	SALVE	CASSANDRA	EC	EC Teacher	1st Grade looping	1.000	71000005	510100
	SEYMOUR	TRACY	EC	EC Teacher	Kindergarten	1.000	71000005	510100
K-2/from ESSER	SZEMAN	MOLLY	BP	K-2 Guidance Counselor	Guidance	0.330	71021204	510100
	VITAGLIANO	JENNIFER	EC	SpEd Teacher	Special Services	1.000	71023095	510100
	WHITE	ANDREA	EC	EC Teacher	Kindergarten	1.000	71000005	510100
	WIGGINS	HEATHER	EC	EC Teacher	Kindergarten	1.000	71000005	510100

Support Staff

	CASTORO	MARYCLARE	EC	SpEd Ed Tech 1	Special Services	1.000	71023095	510230
	CAUFIELD	KELLY	EC	EC ED Tech 3	Building	1.000	71000005	510230
	COREAU	ROBIN	EC	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	DANIELS	AMY	EC	EC Ed Tech 3	Building	1.000	71000005	510230
	DODGE	CATHERINE	EC	EC Ed Tech 3	Building/Student Support	1.000	71000005	510230
	KIRSCH	MAUREEN	EC	Admin Assistant	Administration	1.000	71024105	511800
	LEWIS	CHERYL	EC	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	LITCHER	ERIN	EC	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	MCBRADY	ALICIA	EC	EC Ed Tech 3	Building	1.000	71000005	510230
	MERCIER	ROBIN	EC	SpEd Ed Tech 2	Special Services	1.000	71023095	510230
	SLACK	EVELYN	EC	EC Ed Tech 3	Academic	1.000	71000005	510230
	WAGNER	STEPHANIE	EC	SpEd Ed Tech 3	Special Services	0.750	71023095	510230
	WARD	SUSAN	EC	SpEd Ed Tech 3	Special Services	0.400	71023095	510230
	open position	(ST. GERMAIN)	EC	WS Ed Tech 3	Learning Commons	1.000	71022205	510230
	open position		EC	SpEd Ed Tech 3	Special Services	0.850	71023095	510230

Leadership Team

LOVEJOY	ANNE	EC	EC Principal	Administration	1.000	71024105	510400
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Pleasant Hill School

Teachers & Professionals

.5 SpEd	ANDERSON	DANIELLE	PH	PH Social Worker	Social Worker	1.000	71021206/21125	510100
	BOISSONNAULT	DARLENE	PH	SpEd Teacher	Special Services	1.000	71023095	510100
	CAUFIELD	JULIE	PH	PH Teacher	Kindergarten	1.000	71000006	510100
	CHAPLES	JESSICA	PH	PH Teacher	Art	0.500	71000006	510100
K-2	CLEMENTS	MARGARET	PH	K-2 Instructional Coach	Math	0.330	71000006	510100

	Last Name	First Name	Location	Position		FTE	Cost Center	
	DICKINSON	EMMA	PH	SpEd Teacher	Special Services	1.000	71023095	510100
	HALEY	MEAGAN	PH	PH Teacher	1st Grade	1.000	71000006	510100
K-2	HENDERSON	ANN MARIE	PH	K-2 Instructional Coach	ELA	0.330	71000006	510100
	HUGHES	CARLY	PH	PH Teacher	1st Grade	1.000	71000006	510100
	JONES	CAITLIN	PH	PH Teacher	1st Grade	1.000	71000006	510100
	KNIGHT	LESLIE	PH	PH Teacher	1st Grade	1.000	71000006	510100
K-5	LEWIS	MICHAEL	K-5	PH Librarian	Learning Commons	0.160	71022206	510100
	MARTELLE	ANDREW	PH	PH Teacher	Music	0.500	71000006	510100
	MICHAUD	JENNIFER	PH	PH Teacher	2nd Grade	1.000	71000006	510100
	OJA	BRITTANY	PH	PH Teacher	2nd Grade	1.000	71000006	510100
	OLIVER	SARAH	PH	PH Teacher	2nd Grade	1.000	71000006	510100
K-2	O'NEILL	KELSEY	EC	K-2 Instructional Coach	Instructional Technology	0.330	71000006	510100
	OUSBACK	MARTINA	PH	PH Teacher	2nd Grade	1.000	71000006	510100
	RISBARA	LAURA	PH	PH Teacher	Kindergarten	1.000	71000006	510100
	ROBERTS	LISA	PH	PH Teacher	Kindergarten	1.000	71000006	510100
	SMITH	ASHLEY	PH	PH Teacher	Kindergarten	1.000	71000006	510100
	SPARK	ALEXANDRA	PH	PH Teacher	Phys Ed/Health	1.000	71000006	510100
from ESSER	STONE	GEORGETTE	PH	Speech/Language Therapist	Special Services	0.500	71023095	510100
	SWINBURNE	KATE	PH	PH Teacher	Academic Support	1.000	71000006	510100
K-2/from ESSER	SZEMAN	MOLLY	BP	K-2 Guidance Counselor	Guidance	0.330	71021204	510100
Support Staff								
	MADDEN	TRACY	PH	PH Ed Tech 3	Building	1.000	71000006	510230
	MALLOZZI	ANDREA	PH	PH Ed Tech 3	Learning Commons	1.000	71022206	510230
	O'LEARY	MEAGAN	PH	PH Ed Tech 3	Building	1.000	71000006	510230
	OLORE	LAURA	PH	PH Secretary	Administration	1.000	71024106	511800
	PETERS	JULIA	PH	PH Ed Tech 3	Academic Support	1.000	71000006	510230
	RICHARDSON	RENEE	PH	PH Ed Tech 3	Building/Student Support	1.000	71000006	510230
	SMITH	KATE	PH	PH Ed Tech 3	Building	1.000	71000006	510230
	TETRAULT	MEGAN	PH	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	ZAFONTE	REBECCA	PH	SpEd Ed Tech 3	Special Services	1.000	71023095	510230
	open positions		PH	SpEd Ed Tech 3	Special Services	3.000	71023095	510230
Leadership Team								
	HUMPHREY	JENNIFER	PH	PH Principal	Administration	1.000	71024106	510400

High School

Teachers & Professionals

	ACETO	JOHN	HS	SpEd Transitions Specialist	Special Services	1.000	71023099	510100
	ALLEN	KELLY	HS	HS Teacher	Science	1.000	71000030	510100
	ARMES	JOCELYN	HS	Artist-in-Residence	Woodwind Instructor	0.360	71000030	510100
	AROMANDO	LORRAINE	HS	HS Teacher	Video Production/Yearbook	1.000	71000030	510100
	AUBREY	LAUREL	HS	Psych Examiner	Special Services	0.800	71023095	510100
	AVERY	ALISON	HS	HS Teacher	Technology	1.000	71000030	510100
	BANKS	STEVEN	HS	HS Teacher	Math	1.000	71000030	510100
	BARRETT	ZACHARY	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	BECKER	KERRI	HS	HS Teacher	ELA	1.000	71000030	510100
	BELANGER	BARRETT	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	BELTON	SARAH	HS	HS Teacher	Social Studies	1.000	71000030	510100
	BLAIN	DENISE	HS	HS Teacher	ELA	1.000	71000030	510100
	BLAISDELL	SARAH	HS	HS Teacher	Math	1.000	71000030	510100
	BOGGS	VERONICA	HS	Artist-in-Residence	Trumpet Instructor	0.012	71000030	510100
	BORNSTEIN	LAUREN	HS	HS Teacher	ELA	0.400	71000030	510100
	BOUCHARD	ERIN	HS	HS Teacher	ELA	1.000	71000030	510100
	BRENNAN	JOHN	HS	HS Teacher	Science	1.000	71000030	510100
	BROWN	ELIN	HS	HS Teacher	Science	1.000	71000030	510100
	CABANA	STACEY	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	CARROLL	MICHAEL	HS	HS Teacher	Science	1.000	71000030	510100
	CHAMBERLAIN	JAMES	HS	HS Teacher	Science	1.000	71000030	510100
	CHANG	AMY	HS	Speech/Language Therapist	Special Services	1.000	71023095	510100
	CIAMPI	MARIANNA	HS	Psych Examiner	Special Services	1.000	71023095	510100
	CLIFFORD	BRIAN	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	COFFIN	BRETT	HS	HS Teacher	Social Studies	1.000	71000030	510100
	CONLEY	PHILIP	HS	HS Teacher	Phys Ed	1.000	71000030	510100
	CRONIN	JAMES	HS	HS Instructional Coach	Instructional Technology	1.000	71000030	510100
	CROWLEY	DANIEL	HS	HS Teacher	Math	1.000	71000030	510100
	D'ANNIBALE	JACLYN	HS	SpEd Social Worker	Social Worker	1.000	71021129	510100
	DAROSA	KRISTINE	HS	HS Teacher	Math	1.000	71000030	510100

	Last Name	First Name	Location	Position		FTE	Cost Center	
	DAVIS	MATTHEW (SHANE)	HS	HS Teacher	World Language (Latin)	1.000	71000030	510100
	DAVIS	STEFANIE	HS	HS Teacher	Science	1.000	71000030	510100
	DIAZ	MARK	HS	HS Teacher	Phys Ed	1.000	71000030	510100
	DOWNS	GARY	HS	HS Teacher	Social Studies	1.000	71000030	510100
	DUMONT	SANDRA	HS	HS Teacher	World Language	0.600	71000030	510100
	DUPREE	DEIRDRE	HS	HS Librarian	Learning Commons	1.000	71022230	510100
	EBERSOLD	TIMOTHY	HS	HS Teacher	Music	1.000	71000030	510100
	ELDRIDGE	CHRISTOPHER	HS	HS Teacher	Social Studies	1.000	71000030	510100
	FACEY	RYAN	HS	HS Teacher	Social Studies	1.000	71000030	510100
	FERNALD	GLENN	HS	HS Teacher	Math	1.000	71000030	510100
	GERBER	CHRISTINA	HS	HS Social Worker	Social Worker	1.000	71021230	510100
	GUERIN	NATHAN	HS	HS Teacher	Science	1.000	71000030	510100
	HARMON	JAMES	HS	HS Teacher	Science	1.000	71000003	510100
	HARRIS	STEPHEN (SCOTT)	HS	HS Guidance Counselor	Placement	1.000	71021230	510100
	HASSON	CHRISTOPHER	HS	HS Teacher	Study Center	1.000	71000030	510100
	HAYWARD	CHRISTOPHER	HS	HS Teacher	Math	1.000	71000030	510100
	JONES	GEORGE	HS	HS Teacher	Social Studies	1.000	71000030	510100
	KAMEN	JESSICA	HS	Speech/Language Therapist	Special Services	1.000	71023099	510100
	KAPPELMAN	SARAH	HS	HS Teacher	Alternative Education	1.000	71000030	510100
	KELLER	AARON	HS	HS Teacher	Science	1.000	71000030	510100
	KELMAN	BRIANA	HS	HS Teacher	World Language	1.000	71000030	510100
	KERTES	KERRY	HS	HS Teacher	STEM	1.000	71000030	510100
	LABELLE	AMY	HS	HS Guidance Counselor	Social Worker	1.000	71021230	510100
	LAMOREAU	LAUREN	HS	HS Teacher	ELA	1.000	71000030	510100
	LANDRY FOWLER	ERIN	HS	HS Teacher	Art	1.000	71000030	510100
	LANE	ALISON	HS	HS Guidance Counselor	Guidance	1.000	71021230	510100
.5 SpEd	LEHOTSKY	ELISE	HS	HS Teacher	Social Worker	1.000	71021230/21129	510100
	MACISAAC	LINCOLN	HS	HS Teacher	ELA	1.000	71000030	510100
	MACVANE	ANDREW	HS	HS Teacher	Alternative Education	1.000	71000030	510100
	MAHAR	SUZANNE	HS	HS Teacher	ELA	1.000	71000030	510100
	MANNING	WILLIAM	HS	Artist-in-Residence	Percussion	0.530	71000030	510100
	MARIELLO	KERRY	HS	HS Teacher	Phys Ed	1.000	71000030	510100
	MCCORMACK	ALBERT	HS	HS Teacher	Science	1.000	71000030	510100
	MCHUGH	JONATHAN	HS	HS Teacher	Technology	1.000	71000030	510100
	MESSER	WILLIAM	HS	HS Guidance Counselor	Student Support	1.000	71021230	510100
	MOSHER	JEFFREY	HS	HS Teacher	Music	1.000	71000030	510100
	MUNKACSI	SEAN	HS	HS Teacher	Social Studies	1.000	71000030	510100
	NAILOR	SCOTT	HS	HS Teacher	ELA	1.000	71000030	510100
	NALLS	AMANDA	HS	Psychological Examiner	Special Services	1.000	71023095	510100
	NEAL	GAIL	HS	HS Teacher	Math	1.000	71000030	510100
	NYANUTSE	KOKOU	HS	HS Teacher	World Language	1.000	71000030	510100
	O'CONNOR	DAVID	HS	HS Teacher	Science	1.000	71000030	510100
	PAULUS	BRIGITTE	HS	Artist-in-Residence	Dance Instructor	0.200	71000030	510100
	PAYE	DAVID	HS	HS Teacher	Social Studies	1.000	71000030	510100
	PELLETIER	ELISE	HS	HS Teacher	Art	1.000	71000030	510100
	QUINN	THERESA	HS	HS Teacher	World Language	1.000	71000030	510100
.5 SpEd	RANCO	AMY	HS	HS Social Worker	Social Worker	1.000	71021230/21129	510100
	RECORD	MARY	HS	HS Teacher	Health	1.000	71000030	510100
	REINER	ANNE	HS	HS Teacher	ELA	1.000	71000030	510100
	RICE	ANDREW	HS	HS Teacher	Math	1.000	71000030	510100
	ROAK	ROBERT	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	ROBERTS	CHRISTINE	HS	HS Teacher	Science	1.000	71000030	510100
	ROBERTS	CRAIG	HS	HS Teacher	Social Studies	1.000	71000030	510100
	RUHMAN	LISA	HS	HS Teacher	Art	1.000	71000030	510100
	SAWYER	VALERIE	HS	HS Teacher	Math	1.000	71000030	510100
	SHUPP	MICHELLE	HS	HS Teacher/Instructional Coach	Humanities/W Language	1.000	71000030	510100
	SITHER	GORDON	HS	HS Teacher	Math	1.000	71000030	510100
	SMITH	SIMON	HS	Artist-in-Residence	Low Brass Instructor	0.120	71000030	510100
	SOUICIE	RYAN	HS	HS Guidance Counselor	Guidance	1.000	71021230	510100
	SPAULDING	WENDY	HS	HS Guidance Counselor	Guidance	1.000	71021230	510100
	STIEG	CATHERINE	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	STONE	WILLIAM	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	THOMPSON	CAROLINE	HS	Psychologist	Special Services	1.000	72472140	510100
	TOWNSEND	MATTHEW	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	TRUNCELLITO	STEPHEN	HS	HS Teacher	Social Studies	1.000	71000030	510100
	VAN NESTE	HELENE	HS	HS Teacher	World Language	1.000	71000030	510100
	VOGEL	BRENDA	HS	SpEd Teacher	Special Services	1.000	71023099	510100
	WALCH	TOBY	HS	HS Teacher	Science	1.000	71000030	510100
	WASDEN	BROOKE	HS	HS Teacher	World Language	1.000	71000030	510100
	WATSON	JAMES	HS	SpEd Consulting Teacher	Special Services	1.000	71023099	510100
	WESTLEY	RICHARD	HS	HS Teacher	ELA	1.000	71000030	510100

Last Name	First Name	Location	Position		FTE	Cost Center	
WILLEY	DANIEL	HS	HS Teacher	ELA	1.000	71000030	510100
WOOD	JENNIFER	HS	HS Teacher	Math	1.000	71000030	510100
YORK	JONATHAN	HS	HS Teacher	0.6 GATES/0.4 ELA	1.000	71000030/29009	510100
ZAVASNIK	CHRISTY JOY	HS	HS Teacher	Career Pathways Program	1.000	71000030	510100
ZAVASNIK	ERIK	HS	HS Teacher	World Language	1.000	71000030	510100
ZUCH	LEAH	HS	ESL Teacher	ESL	1.000	71041009	510100

Support Staff

ALVES	JEANANN	HS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023099	510230
BARONE	IVETTE	HS	SpEd Ed Tech 3	Special Services	1.000	71023099	510230
BERG	ERIN	HS	Psych Office Assistant	Special Services	1.000	71023095	510200
CASE	MATTHIAS	HS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023099	510230
CLARK	KIMBERLY	HS	HS Ed Tech 3	Study Center	1.000	71000030	510230
COOMBS	TIMOTHY	HS	HS Ed Tech 3	Building	1.000	71000030	510230
CROUSE	MACKENZIE	HS	HS Ed Tech 3	Learning Commons	1.000	71022230	510230
DAVIS	DARIN	HS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023099	510230
DAVIS	PAULA	HS	HS Clerk Receptionist	Administration	1.000	71024130	511800
DENNEN	LAUREN	HS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023099	510230
ERTMAN	JEFFREY	HS	HS Ed Tech 3	Learning Commons	1.000	71022230	510230
GRINDLE	STEVEN	HS	SpEd Ed Tech 3	Special Services/RR	1.000	71022230	510230
HENDERSON	ELIZABETH	HS	HS Secretary	Senior Placement	1.000	71021230	511800
JACKSON	RAY	HS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023099	510230
JORGENSON	ERICA	HS	SpEd Ed Tech 3	Special Services/FLS	1.000	71023099	510230
LIPONIS	LISA	HS	SpEd Ed Tech 3	Special Services/RR	1.000	71023099	510230
MANNING	LISA	HS	HS Secretary	Administration	1.000	71024130	511800
MONTEITH	LAURIE	HS	Medical Assistant	Special Services/FLS	1.000	71023099	510230
NEUGEBAUER	NICHOLAS	HS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023099	510230
NIXON	BRAIDEN	MS	SpEd Ed Tech 2	Special Services/FLS	1.000	71023095	510230
NOBLE	JULIE	HS	Admin Assistant	Special Services	1.000	71023095	510200
RAY	EVE	HS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023099	510230
SHARDLOW	JONATHAN	HS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023099	510230
SPRAGUE	KAREN	HS	HS Secretary	Administration	1.000	71024130	511800
SUTYAK	VICKIE	HS	HS Secretary	Guidance	1.000	71021230	510230
THOMPSON	PHILIP	HS	SpEd Ed Tech 3	Special Services/SLS	1.000	71023099	510230
WAKEM	DAVID	HS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023099	510230
YEO	DAVID	HS	HS Ed Tech 3	Building	1.000	71000030	510230
YERXA	COLBY	HS	SpEd Ed Tech 3	Special Services/RR	1.000	71023099	510230
open position	(LIPONIS)	HS	SpEd Ed Tech 3	Special Services/RR	1.000	71023099	510230
open position		HS	SpEd Ed Tech 3	Special Services/ALS	1.000	71023099	510230
open position		HS	SpEd Ed Tech 3	Special Services/RR	1.000	71023099	510230

Leadership Team

BROWN	JACOB	HS	HS Asst. Principal	Administration	1.000	71024130	510400
KETCH	SUSAN	HS	HS Principal	Administration	1.000	71024130	510400
THERIAULT	NATHAN	HS	HS Asst. Principal	Administration	1.000	71024130	510400

Athletics & Activities

DAVIS	JOSEPH	HS	Athletic Trainer	Athletics & Activities	1.000	71009630	510400
FERREIRA	JORDAN	HS	Admin Specialist	Athletics & Activities	1.000	71009630	511900
LEGAGE	MICHAEL	HS	Director of Athletics & Activities	Athletics & Activities	1.000	71009630	510400
PAONESSA	HEATHER	HS	Admin Assistant	Athletics & Activities	0.500	71009630	511900
DUMAIS	JESSICA	HS	Auditorium Tech	Auditorium	0.000	71009530	510100
EATON	MATTHEW	HS	Auditorium Tech	Auditorium/AV Manager	0.000	71009530	510100
LEHMANN	ERIC	HS	Auditorium Tech	Auditorium	0.000	71009530	510100

Health Services

CROTEAU	MEGAN	EC	School Nurse	Health Services	1.000	71002130	510100
EASON	AMANDA	MS	School Nurse	Health Services	1.000	71002130	510100
GROSHON	DORICE	PH	School Nurse	Health Services	1.000	71002130	510100
HANG	STACEY	HS	School Nurse	Health Services	1.000	71002130	510100
HIBBARD	LAURIE	BP	School Nurse	Health Services	1.000	71002130	510100
ORNSTEIN	ANNE	WS	School Nurse	Health Services	1.000	71002130	510100
VERZONI	LISA	HS	School Nurse	Health Services	1.000	71002130	510100
FASULO	CYNTHIA	WS	LPN	Health Services	1.000	71002130	510230
KENNEY	SUZANNE	MS	Medical Assistant	Health Services	1.000	71002130	510230

Last Name	First Name	Location	Position		FTE	Cost Center		
Curriculum & Assessment								
CULBERTSON	MONIQUE	CO	Dir. of Curric & Assessment	Curriculum & Assessment	1.000	71002210	510400	
GARTLEY	ELIZABETH	CO	K-12 Librarian & Technology Specialist	Curriculum & Assessment	1.000	71002210	510100	
KNAPPE	STACY	CO	K-12 SEL Specialist	Curriculum & Assessment	1.000	71002210/7269	510100	
BUSHWAY	SEAN	CO	SIS Application Specialist	Curriculum & Assessment	1.000	71002210	511800	
CALLAHAN	CHERYL	CO	Admin Assistant	Curriculum & Assessment	0.600	71002210	511800	
KELLEY	KIMBERLY	CO	SIS Integration Specialist	Curriculum & Assessment	1.000	71002210	511800	
System Administration								
BRUNO	GEOFFREY	CO	Superintendent of Schools	Superintendent's Office	1.000	71002320	510400	
NADEAU	DIANE	CO	Asst. Superintendent	Superintendent's Office	1.000	71002320	510400	
CALLAHAN	CHERYL	CO	Admin Assistant	Superintendent's Office	0.400	71002320	511800	
JOHNSTON	KELLY	CO	Admin Assistant	Superintendent's Office	1.000	71002320	511800	
RUSSELL	MELISSA	CO	Receptionist	Superintendent's Office	1.000	71002320	511800	
BOLTON	KATHERINE	CO	Dir. Business & Finance	Business Office	1.000	71002500	510400	
BERNARD	RHONDA	CO	Payroll/Benefits Specialist	Business Office	1.000	71002500	511800	
open position	(CHAMPAGNE)	CO	HR Specialist	Business Office	1.000	71002500	511800	
PENLEY	WILLIAM	CO	Accountant	Business Office	0.400	71002500	511800	
SMITH	RENEE	CO	Accounts Payable Specialist	Business Office	1.000	71002500	511800	
Special Services - District Wide								
Teachers & Professionals								
	CASEY	LAURA	K-2	K-2 Behavior Specialist	Special Services	1.000	71023095	510100
	COUTURE	NAOMI	K-2	K-2 Behavior Specialist	Special Services	1.000	71023095	510100
LE	DELVECCHIO	BRIGID	K-2	SpEd Consulting Teacher	Special Services	1.000	72471100	510100
	DIONNE-MICHAUD	CHANTEL	WS/PH	Occupational Therapist	Special Services	1.000	71023095	510100
	GOUGH	DOROTHEA	K-12	Physical Therapist	Special Services	1.000	71023095	510100
	HEFFERNAN	MAURA	K-2	ESL Teacher	ESL	1.000	71041005	510100
	HILTON	MICHELLE	MS/BP	Speech/Language Therapist	Special Services	1.000	71023095	510100
	KIPP	CYBIL	MS/WS	Occupational Therapist	Special Services	1.000	71023095	510100
	LAJOIE	MICHELLE	BP/HS	COTA	Special Services	1.000	71023095	510100
	MCCANN	KRISTINA	EC/PH	Occupational Therapist	Special Services	1.000	71023095	510100
	MILLIKEN	SHERYL	K-12	Speech/Language Therapist	Special Services	1.000	71023095	510100
LE	TOMAZIN	COURTNEY	K-12	Teacher of the Deaf	Special Services	1.000	72471100	510100
Support Staff								
LE	DENBOW	SHANNON	TR	Bus Aide	Special Services	1.000	72471100	510230
LE	FOLEY	ANN	TR	Bus Aide	Special Services	1.000	72471100	510230
LE	HAMILTON	BRENT	TR	Bus Aide	Special Services	1.000	72471100	510230
LE	RODRIGUE	CAROLINE	TR	Bus Aide	Special Services	1.000	72471100	510230
LE	SICARD	PAMELA	TR	Bus Aide	Special Services	1.000	72471100	510230
	open positions		TR	Bus Aide	Special Services	3.000	72471100	510230
Administration								
	ROHDE	CHRISTOPHER	CO	Director of Special Services	Special Services	1.000	71025090	510400
.75 LE	BENHAM	NICOLE	CO	Asst. Dir. Special Services	Special Services	1.000	71025090/7215	510400
	NEWTON	MICHELLE	CO	Admin Assistant	Special Services	1.000	71025090	510230
Adult Education								
	DOYLE	MARIANNE	HS	Adult Ed Director	Administration	0.500	71506000	510400
	GLYNN	CATHERINE	HS	Admin Assistant	Administration	0.500	71506000	511800
Transportation								
	REDMOND	SARAH	TR	Transportation Supervisor	Student Transportation	1.000	71002700	510400

Last Name	First Name	Location	Position		FTE	Cost Center	
HUBER	LISA	TR	Transportation Office/Dispatch	Student Transportation	0.750	71002700	511800
BOUDREAU	MEGAN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
BROWN	STEVEN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
FENTON	WILLIAM	TR	Bus Driver	Student Transportation	1.000	71002700	511800
GARDNER	DAVID	TR	Bus Driver	Student Transportation	1.000	71002700	511800
GRANT	MICHAEL	TR	Bus Driver	Student Transportation	1.000	71002700	511800
HARDEN	RICHARD	TR	Bus Driver	Student Transportation	1.000	71002700	511800
IVERS	CARL	TR	Bus Driver	Student Transportation	1.000	71002700	511800
JOHNSON	BRIAN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
LAVIGNE	JULIE	TR	Bus Driver	Student Transportation	1.000	71002700	511800
LITCHFIELD	DAN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
MCGARRY	MICHAEL	TR	Bus Driver	Student Transportation	1.000	71002700	511800
MURPHY	SUSAN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
NORTON	CHRISTOPHER	TR	Bus Driver	Student Transportation	1.000	71002700	511800
O'BRIEN	RONALD	TR	Bus Driver	Student Transportation	1.000	71002700	511800
ORNSTEIN	STEPHEN	TR	Bus Driver	Student Transportation	1.000	71002700	511800
ROBERTS	DALE	TR	Bus Driver	Student Transportation	1.000	71002700	511800
ROSSETTI	ROCCO	TR	Bus Driver	Student Transportation	1.000	71002700	511800
SOULES	RICHARD	TR	Bus Driver	Student Transportation	1.000	71002700	511800
TOURIGNY	GERARD	TR	Bus Driver	Student Transportation	1.000	71002700	511800
WICKHAM	MICHAEL	TR	Bus Driver	Student Transportation	1.000	71002700	511800
open positions		TR	Bus Driver	Student Transportation	4.000	71002700	511800

Facilities & Maintenance

BRUNER	EMMA	MS	Custodian	Facilities	0.875	71026102	511800
CURTAIN	THOMAS	MS	Custodian	Facilities	1.000	71026102	511800
DARE	NICHOLAS	MS	Custodian	Facilities	1.000	71026102	511800
SILVER	DEBORA	MS	Lead Custodian	Facilities	1.000	71026102	511800
SMITH	KENNETH	MS	Custodian	Facilities	1.000	71026102	511800
open position		MS	Custodian	Facilities	1.000	71026102	511800
BRUNER	VICTOR	WS	Custodian	Facilities	1.000	71026103	511800
CHILDS	STEVEN	WS	Lead Custodian	Facilities	1.000	71026103	511800
DOUGHTY	MARK	WS	Custodian	Facilities	0.500	71026103	511800
LASALLE	TODD	WS	Custodian	Facilities	1.000	71026103	511800
MALIA	PATRICK	WS	Custodian	Facilities	1.000	71026103	511800
WAKEM	GARY	WS	Custodian	Facilities	1.000	71026103	511800
WESCOTT	DENISE	WS	Custodian	Facilities	1.000	71026103	511800
open positions		WS	Custodian	Facilities	1.500	71026103	511800
WRIGHT	TIMOTHY	BP	Custodian	Facilities	1.000	71026104	511800
WYMAN III	DONALD	BP	Custodian	Facilities	1.000	71026104	511800
PARKER	KORY	EC	Custodian	Facilities	1.000	71026105	511800
open position		EC	Custodian	Facilities	1.000	71026105	511800
MCDERMOTT	JASON	PH	Custodian	Facilities	1.000	71026106	511800
open position		PH	Custodian	Facilities	0.750	71026106	511800
BURWELL	JAMES	HS	Custodian	Facilities	1.000	71026130	511800
BUTLER	EMILY	HS	Custodian	Facilities	0.750	71026130	511800
GADDY	DIANE	HS	Custodian	Facilities	1.000	71026130	511800
HILL	DESIRAE	BP	Custodian	Facilities	1.000	71026104	511800
LUKE	JAMES	HS	Custodian	Facilities	1.000	71026130	511800
MATHEISON	JAMES	HS	Custodian	Facilities	1.000	71026130	511800
MEECH	PHILIP	HS	Lead Custodian	Facilities	1.000	71026130	511800
NIHAN-GORMAN	DEBORAH	HS	Custodian	Facilities	0.500	71026130	511800
NORTON	DALE	HS	Custodian	Facilities	1.000	71026130	511800
WENTZ	MICHAEL	HS	Custodian	Facilities	1.000	71026130	511800
open position		HS	Custodian	Facilities	1.000	71026130	511800
GALETTO	LOUIS	DW	Maintenance Foreman	Facilities	1.000	71026290	510400
JEPSON	TODD	DW	Dir. Facilities & Maintenance	Facilities	1.000	71026290	510400
CUMMINGS	ELIZABETH	DW	Admin Assistant	Facilities	0.375	71026290	511800
HAGER	DANIEL	DW	Facilities Operations Supervisor	Facilities	1.000	71026290	511800

Last Name	First Name	Location	Position		FTE	Cost Center	
DELANO	JAMIE	DW	Maintenance Worker	Facilities	1.000	71026290	511820
EVANS	KEITH	DW	Maintenance Worker	Facilities	1.000	71026290	511820
KULIG	CHRISTOPHER	DW	Maintenance Worker	Facilities	1.000	71026290	511820

School Nutrition

ESPOSITO	PETER	K-12	Director of School Nutrition	School Nutrition	1.000	76013090	510400
BROWN	JASON	MS	Cook/Baker	School Nutrition	1.000	76013090	511800
FRANKLIN	BRENDA	WS	Admin Assistant	School Nutrition	1.000	76013090	511800
GIBBONS	ROBERTA	BP	Kitchen Worker	School Nutrition	1.000	76013090	511800
GREER	MICHELE	HS	Kitchen Worker	School Nutrition	1.000	76013090	511800
IRVING	AMANDA	HS	Cook/Baker	School Nutrition	1.000	76013090	511800
LEGAGE	ANN	WS	Kitchen Manager	School Nutrition	1.000	76013090	511800
LI	YAN MEI	WS	Kitchen Worker	School Nutrition	1.000	76013090	511800
LONEY	BETH	MS	Kitchen Worker	School Nutrition	1.000	76013090	511800
LYDICK	KARENA	HS	Cook/Baker	School Nutrition	1.000	76013090	511800
MANCHESTER	TERESA	EC	Kitchen Worker	School Nutrition	1.000	76013090	511800
REYNOLDS	JESSICA	WS	Cook/Baker	School Nutrition	1.000	76013090	511800
ROSSETTI	MARGARET	BP	Kitchen Worker	School Nutrition	1.000	76013090	511800
SAWYER	KRISTA	HS	Kitchen Manager	School Nutrition	1.000	76013090	511800
SHAO	TAI	WS	Cook/Baker	School Nutrition	1.000	76013090	511800
SHAW	KELLY	MS	Kitchen Worker	School Nutrition	1.000	76013090	511800
SHOREY	BRIDGET	MS	Kitchen Worker	School Nutrition	1.000	76013090	511800
WELCH	LINDA	HS	Kitchen Worker	School Nutrition	1.000	76013090	511800
WILEY	DEBORAH	WS	Kitchen Worker	School Nutrition	1.000	76013090	511800
WRIGHT	JOSEPH	MS	Kitchen Manager	School Nutrition	1.000	76013090	511800
ZAMBS	PAULINE	HS	Kitchen Worker	School Nutrition	1.000	76013090	511800
open position		MS	Baker	School Nutrition	1.000	76013090	511800
open positions			Kitchen Worker (HS, 2 WS, EC, PH)	School Nutrition	5.000	76013090	511800

MAJOR CAPITAL PROJECT - SCHOOL CONSTRUCTION

Location	Project Category/Description	Estimated cost	Comments	Priority
	K-3 School Building Project	137,500,000		High
Total		137,500,000		

TECHNOLOGY CAPITAL IMPROVEMENTS

Location	Project Category/Description	Estimated cost	Comments	Priority
Tech Equipment Replacement		74001784-573100		
	District-wide Instructional Technology - cyclical device refresh:			
MS		165,000	Replace 6th grade student chromebooks (7th & 8th grade devices provided through MLTI)	High
MS		230,000	Replace MS classroom projectors with new laser projectors; includes cabling & interactive devices	High
DW		175,000	Add and update switches for phone & electrical systems	High
DW		25,000	Replace a switch to accommodate increased bandwidth provided by MSLN	High
DW		25,000	Implement upgraded Sophos internet security software	High
Total		620,000		

TOTAL TECHNOLOGY FY24

620,000

FACILITIES & MAINTENANCE PROJECTS & EQUIPMENT

Location	Project Category/Description	Estimated cost	Comments	Priority
District-Wide Energy Improvements		73001803-570000		
HS		150,000	Continue replacement of lighting fixtures with low energy LEDs; add motion sensors to reduce energy use	Medium-High
Total		150,000		

CAPITAL PROJECTS

Scarborough Public Schools - FY24 Capital Improvements Budget

Leadership Council's Proposed Budget

March 16, 2023

District-Wide Roofing		74001771-570000		
MS		500,000	Restoration of multiple Middle School roof sections to mitigate leaks in the gym	High
Total		500,000		
District-Wide Exterior/Interior Finishes		74001772-570000		
DW	Painting	50,000	Multiple projects district-wide; maintenance and restoration per recommended cycle: Restore hallways & classrooms throughout the district as needed	Medium-High
Total		50,000		
District-Wide Security & Access Management		74001787-570000		
DW		50,000	Add and replace security cameras; repair and upgrade doors and carded entry points	Medium
Total		50,000		
District-Wide Flooring		74001791-570000		
MS	Floor replacement & upgrades	100,000	Replace crumbling grouted tile in Middle School lobbies & locker rooms	Medium-High
MS		50,000	Install rubber flooring in Middle School cafeteria for greater wear and noise mitigation	Medium
Total		150,000		
District-Wide Building Envelope		74001794-570000		
HS		40,000	Scheduled repairs and maintenance (repoint, caulk & waterproof) for building exteriors: Maintenance and restoration of High School masonry siding	High
K-2		25,000	Repair & restoration of shingles at K-2 schools	Medium-High
Total		65,000		
District-Wide Grounds & Site Maintenance		74001805-570000		
DW	Pavement upgrades/fill cracks/stripping	50,000	District-wide renovation of paved areas. Ongoing maintenance cycle through all school locations.	High
MS	Quentin Drive roadway	50,000	Repair potholes and crumbling pavement until full repaving can be scheduled	Medium-High
K-5	Playground upgrades for ADA accessibility	50,000	Continue site work and upgrade equipment to improve play experience for all students	High
Total		150,000		

Scarborough Public Schools - FY24 Capital Improvements Budget

Leadership Council's Proposed Budget

March 16, 2023

District-Wide HVAC		74176800-573100		
HS		120,000	Replace failing air conditioning unit on High School roof	High
EC		97,700	Begin staged replacement of obsolete HVAC controls at K-2 (total est. cost \$300,000)	Med-High
MS		110,000	Continue replacement of failing heat pumps at Middle School	High
DW		100,000	Replace failing components district-wide	High
Total		427,700		

CAPITAL EQUIPMENT

Facilities Support Equipment		74176900-573100		
DW	Tractor	57,600	Commercial grade tractor with mowing and snowblowing attachments	Medium-High
WS	3 floor machines	25,000	Scheduled replacement of 10-year-old Wentworth equipment	High
Total		82,600		

DW Moveable Equipment /FF& E		74001792-573100		
DW	Furnishings replace & renew	150,000	Regular scheduled replacement of aging furnishings as needed; ergonomic workstation upgrades.	Medium
		150,000		

HS Auditorium Equipment		74001793-570000		
HS		45,000	Replace failing sound system in Winslow Homer Auditorium (used for music programs, theater, presentations district-wide as well as rentals)	Medium-High
		45,000		

Athletics Equipment		74001807-570000		
HS		110,500	Add fencing & netting throughout Kippy Mitchell complex after turf/track renovation	High
		110,500		

TOTAL FACILITIES & MAINTENANCE		1,930,800		
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Scarborough Public Schools - FY24 Capital Improvements Budget

Leadership Council's Proposed Budget

March 16, 2023

TRANSPORTATION DEPARTMENT

74001712-573600

TR	School bus replacement purchase: 3 84-passenger buses at \$135,261 each	405,783	Maintain recommended vehicle replacement cycle for safe and efficient student transportation. 30 buses in fleet with 10-year useful life = replace 3 per year. Significant inflationary cost increase.	High
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TOTAL TRANSPORTATION FY24

405,783

FY24 MAJOR CAPITAL BUDGET - BUILDING PROJECT 137,500,000

FY24 MINOR CAPITAL BUDGET - CAPITAL IMPROVEMENTS 2,956,583

TOTAL FY24 SCHOOL CAPITAL IMPROVEMENTS BUDGET 140,456,583

PRIOR YEAR SCHOOL CAPITAL BUDGETS

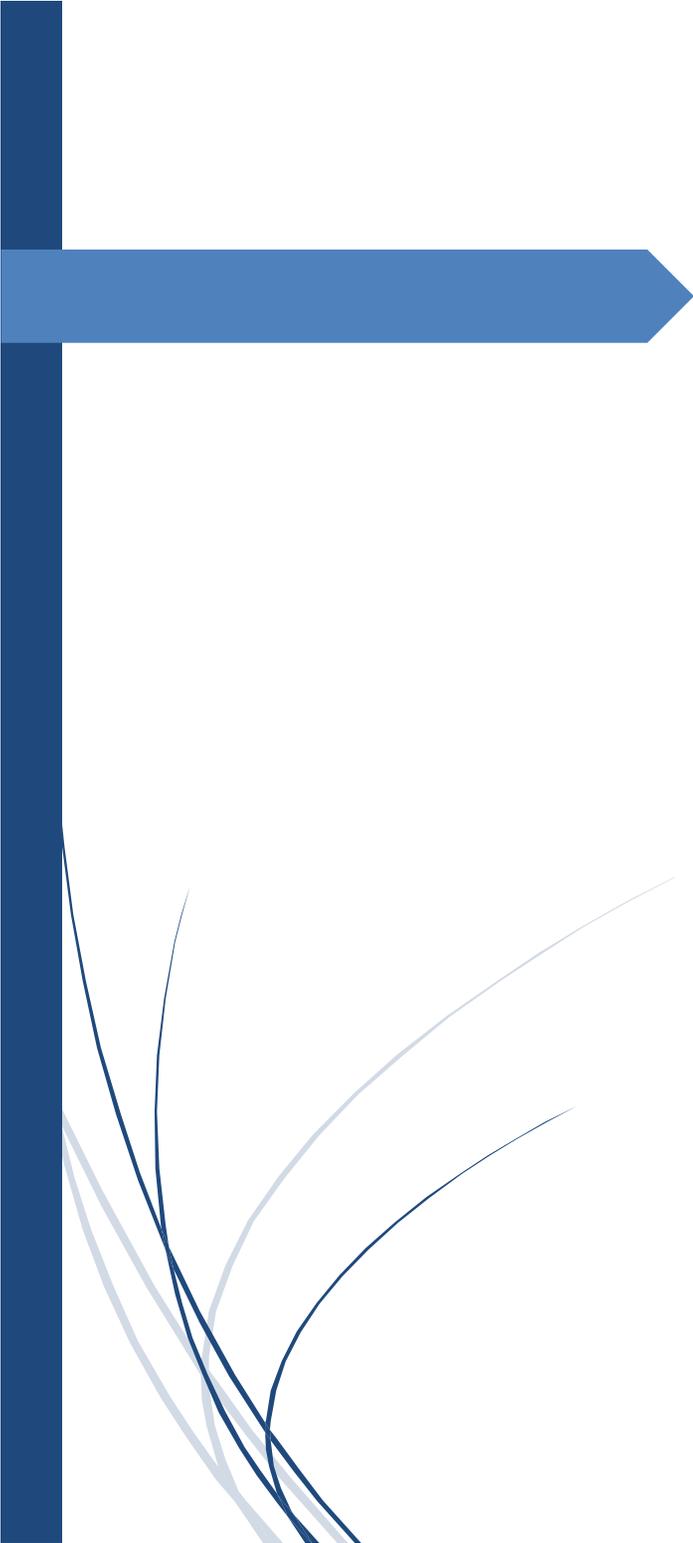
FY23	Technology	337,500
	Facilities	1,450,000
	Transportation	525,783
	Total	2,313,283
FY22	Technology	165,000
	Turf Field	1,900,800
	Facilities	1,226,601
	Transportation	346,500
	Total	3,638,901
FY21	Technology	249,070
	Facilities	1,309,142
	Transportation	255,000
	Total	1,813,212
FY20	Technology	356,970
	Facilities	1,814,400
	Transportation	269,700
	Total	2,441,070

Scarborough Public Schools - FY24 Capital Improvements Budget

Leadership Council's Proposed Budget

March 16, 2023

FY19	Technology	359,230
	Facilities	539,500
	Transportation	340,000
	Total	1,238,730
FY18	Technology	309,200
	Facilities	769,000
	Transportation	318,000
	Total	1,396,200
FY17	Technology	230,955
	Facilities	834,875
	Transportation	315,000
	Total	1,380,830
FY16	Technology	873,475
	Facilities	223,728
	Transportation	316,248
	Total	1,413,451
FY15	Technology	648,500
	Facilities	809,000
	Transportation	328,653
	Total	1,786,153



2022-23 Enrollment Projection Study for the Scarborough Schools

Prepared in March 2023 by:

Wandell Consulting

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APPENDIX A: Grade by Grade Historical and Projected Enrollment, and Ranges for Use in School Facilities Planning

APPENDIX B: Information of Enrollment Data and Methodologies Used for Projection Studies

I. INTRODUCTION

Change in school enrollment derives from two sources, changes in the number of births to residents, and the net migration of preschool and school-aged children into and out of a community. These projections reflect both sources of change.

The projections are based on an in-house cohort survival model which contains two steps.

- First, historical trends and relationships between entering class sizes (first grade enrollment) and resident births in the year that is six years before the enrollment year is analyzed. Correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between first grade enrollment and births. The correlation coefficients are examined to determine which period represents the statistical "best fit" for projecting future first grade enrollment based on resident birth data.
- Second, historical trends at each grade level are analyzed, specifically looking at the grade-to-grade survival ratios. These ratios represent the number of students in a grade in one year (i.e., 1st grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2nd grade in 2022-23). Then correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between enrollment in a grade in one year and the next grade the following year to determine which period represents the statistical "best fit" at each of the grade levels. The grade-to-grade ratios that represent the "best fit" are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years.
- To provide reasonable cushions for use in the planning of school facilities, school enrollment projections are summarized by grade group and presented the projections within ranges of plus and minus 10% for grades K-8 and plus and minus 5% for grades 9-12, and plus and minus 3% for grades K-12. These ranges and details on the enrollment data and methodologies used for making the projections can be found in the report **Appendix**.

Four models were created to project future enrollment in Scarborough. The first model, called the "best fit" model, is a standard statistical model which projects enrollment based on historical trends, and is usually considered to be the most likely scenario to occur in Scarborough IF future enrollment follows historical patterns of enrollment. After the "best fit" model was created, the impact of the COVID-19 Pandemic was assessed and the "best fit" model was adjusted slightly for historical trends which had been impacted by COVID-19, this model was called the "best fit" model plus COVID adjustment. The third and fourth models are first based off the "best fit" model plus COVID adjustment and then take into account estimated and potential new housing unit development on enrollment in Scarborough. The third model is called the "housing impact" model. This model accounts for additional grade-to-grade migration based on estimated future development levels. The fourth model is called the "housing impact HIGH" model. This model takes into account the current maximum allowable single family home development under the Growth Management Ordinance along with estimated multifamily housing development.

I. INTRODUCTION

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- Second, historical trends at each grade level are analyzed, specifically looking at the grade-to-grade survival ratios. These ratios represent the number of students in a grade in one year (i.e., 1st grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2nd grade in 2022-23). Then correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between enrollment in a grade in one year and the next grade the following year to determine which period represents the statistical "best fit" at each of the grade levels. The grade-to-grade ratios that represent the "best fit" are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years.
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Sections II and V of this report provides historical enrollment trends and four sets of enrollment projections which projects enrollment through 2032-33 for each grade and by grade group in Scarborough. **Section III** discusses the historical grade-to-grade migration trends used to complete the projections.

Section IV of this report presents residential development factors that may influence enrollment projections.

Grade-by-grade historical and projected enrollment, and ranges for use in school facilities planning are presented in the report **Appendix** along with a detailed explanation of the data used and methodologies.

NOTES:

- The term “best fit” refers to the strongest statistical correlation of trends. The reader should keep in mind the “best fit” model is not always the best fit for predicting future enrollment. This is often the case in situations where the “best fit” model does not adequately account for the impact of resident development, when residential development, economic or population changes are occurring in the area, or when significant changes in migration trends or resident birth trends occur in a community.
- When looking at the enrollment figures it is important for the reader to pay close attention to the type of enrollment being discussed, i.e., whether the data is referring to resident enrollment, resident attending enrollment, non-resident students attending district schools, resident students attending non-district schools, or total attending enrollment. Additionally, due to limitations on availability of certain types of enrollment data, these figures do not include 100% home schooled students, or students attending privately paid for schools, but do include students attending Charter Schools where noted as resident students not attending.

II. FIRST GRADE ENROLLMENT

A. Historical First Grade Enrollment

First grade enrollment over the last ten years (2013-14 to 2022-23) fluctuated year-to-year while increasing, on average. During this ten-year period, first grade enrollment ranged between 173 and 223 students, with an average enrollment of 203 students. The average first grade enrollment over the last five years (2018-19 to 2022-23), was 208 students, a higher average level of enrollment compared with the average of the previous five-year period (2013-14 to 2017-18), or 198 students. In addition, enrollment over the last three years (2020-21 to 2022-23) increased from the most recent five-year average, with first grade enrollment averaging 210 students. (See Table II-1 and Figure-2).

B. Resident Births Influencing Historical Enrollment

Resident births during the ten-year period (2006-07 to 2015-16) influencing first grade enrollment over the last ten years (2013-14 to 2022-23), increased, on average. The average number of births over the last five years of the period, (2011-12 to 2015-16), was 152 births, which was 16 births higher than the previous five-year period (2006-07 to 2010-11), which had an average of 136 births per year. In addition, over the last three years of the period (2013-14 to 2015-16) births increased further to average 161 births annually, 25 births more than the first five years of the period. **The increase in resident births had placed upward pressure on first grade enrollment sizes, while the year-to-year, these fluctuations in the level of resident births year-to-year caused fluctuations in first grade class sizes over the last ten years.** (See Table II-1 and Figure-1).

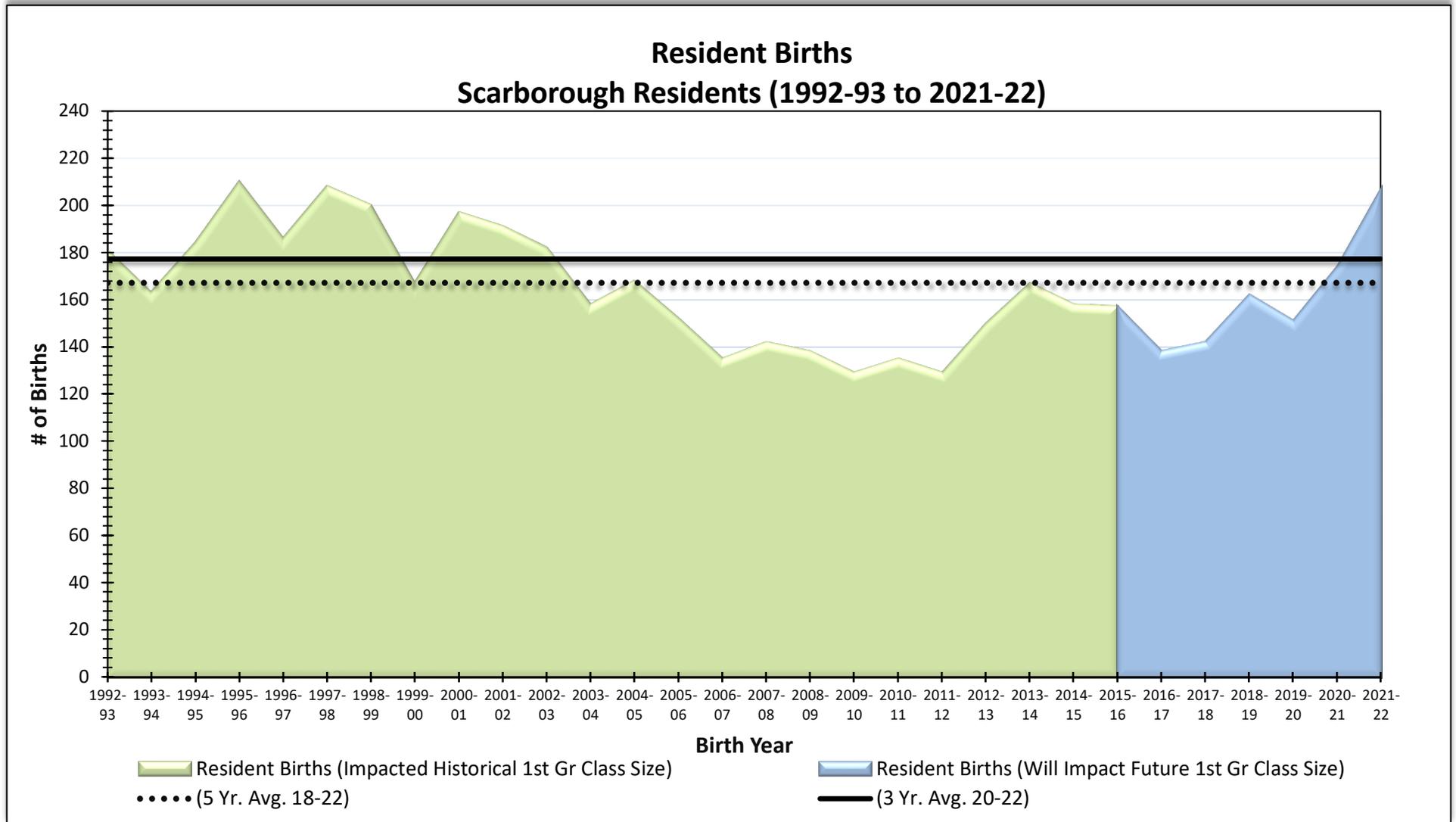
C. Resident Births Influencing Future Enrollment

Over the last ten-year period of available resident birth data, 2012-13 to 2021-22, births to residents of Scarborough averaged 161 births annually, with births fluctuating year-to-year, ranging between 138 and 207 births. The most recent five-year period (2017-18 to 2021-22) increased to average 167 births, and over the last three years (2019-20 to 2021-22) the average of births to residents continued to increase, to average 177 births. Therefore, when looking at the most recent average of births compared to births between 2006-07 and 2010-11 (136 births), Scarborough experienced an average increase of 41 births per year, translating into a gain of about two class size per year. (See Table II-1 and Figure 1).

The “best fit” projections used the three-year average (2019-20 to 2021-22) of births to estimate future births, or the 2022-23 “best fit” model assumes resident births would average about 177 births annually. Looking at resident births since 1992-93, Scarborough has seen periods of time where resident births have high, then had declined over time, then rebounded again. **See Figure 1.** Since Scarborough has experienced fluctuations in resident births in the past, it is reasonable to assume these fluctuations will continue to occur in the future. However, it is impossible to predict which years will see higher or lower birth levels.

Due to the influence resident births have on future first grade enrollment, Scarborough will need to keep an eye on future resident births year-to-year. For the 2022-23 “best fit” model +COVID Adjustment, a three-year rolling average was used to account for the higher births seen over the last two years, or the three-year average of 177 births was used for 2022-23, then 186 births for 2023-24, 190 births in 2024-25 and 185 births in 2025-26. Since the housing impact models were based on the 2022-23 “best fit” model +COVID Adjustment, these models also use the three-year rolling average to estimate future births.

Figure 1



D. Net Preschool Migration Trends

In the first five years of the last decade, (2013-14 to 2017-18), Scarborough experienced an in-migration of preschool-aged children, with an average migration ratio of 1.459, or first grade experienced an average increase of about 46% from the number of births six years prior. In the past five years, (2018-19 to 2022-23), Scarborough experienced a lower level of preschool in-migration, with an average migration ratio of 1.370, or an average increase of 37%. Additionally, over the last three years, (2020-21 to 2022-23), the preschool in-migration continued but at a lower level, with an average ratio of 1.305, or an average 31% increase from births. **Overall, when looking at the last ten years, despite the lower levels of in-migration, average preschool in-migration placed upward pressure on first grade class sizes over the last five years. (See Table II-1).**

While the average trends show preschool in-migration, when looking at the grade-to-grade migration trends there appears to have been significant year-to-year fluctuations in migration. For example, in 2019-20 an in-migration of 48.7% occurred, in 2020-21 an in-migration of 32.3% occurred, then in 2021-22 an in-migration of 23.4% occurred. Most recently, in-migration has increased, with a gain of 35.7% in 2022-23.

Additionally, since historically there have been fluctuations in the year-to-year migration trends it stands to reason that future first grade classes will experience similar year-to-year fluctuations. This makes accurately projecting first grade class sizes more difficult as there is no way to predict what future fluctuations will look like year-to-year. Therefore, the district will need to keep an eye on first grade class sizes, keeping in mind that fluctuations will continue to occur.

NOTE: Taken together, an increase in average resident births despite being combined with a decline in the average increase in preschool in migration resulted in first grade class sizes that, on average, increased over the last five years. In addition, fluctuations in the level of resident births and preschool migration levels caused year-to-year fluctuations in first grade class sizes.

E. Projections of Entering First Grade Class Sizes

1. 2022-23 Best Fit Model

The 2022-23 “best fit” model is based on average births occurring between 2019-20 and 2021-22 (or 177 births), and on a continuation of preschool in-migration similar to the level occurring over the last seven years, except for the 2023-24 first grade which was based on the 2022-23 Kindergarten enrollment and the 3-year ratio of first grade to Kindergarten. **(See Table II-1 and Figure-2).**

- Under the 2022-23 “best fit” model, first grade enrollment is projected to experience fairly significant yearly swings corresponding with swings in resident births. Enrollment is projected to range between 196 and 286 students, and average 236 students annually through 2032-33.

2. 2022-23 Best Fit Model +COVID Adjustment

The 2022-23 “best fit” model +COVID Adjustment model is first based on the 2022-23 “best fit” model. Then it uses a rolling average of births to predict future birth levels, or:

- 2022-23 was based on births occurring between 2019-20 and 2021-22 (or 177 births)
- 2023-24 was based on the average of 2020-21 to 2022-23, or 186 births,
- 2024-25 was based on the average of 2021-22 to 2023-24, or 190 births, and finally,
- 2025-26 was based on the average of 2022-23 to 2024-25, or 185 births.

Then, the 2022-23 best fit model +COVID Adjustment takes and on a continuation of preschool in-migration similar to the level occurring over the last seven years, except for the 2023-24 first grade which was based on the 2022-23 Kindergarten enrollment and the 3-year *weighted* ratio of first grade to Kindergarten. The weighted ratio was used to account for changes in migration during the first COVID school year of 2020-21, and places slightly more weight on the more recent K-1 migration trend. **(See Table II-1 and Figure-2).**

- Under the 2022-23 “best fit” model +COVID Adjustment, first grade enrollment is projected to experience yearly swings corresponding with swings in resident births. Enrollment is projected to range between 196 and 286 students, and average 241 students annually through 2032-33.

3. 2022-23 Housing Impact Model

The 2022-23 “housing impact” model is first based on the 2022-23 “best fit” model +COVID Adjustment, then takes account an increase in grade-to-grade migration from higher levels of residential development which may not have been adequately accounted for by the “best fit” model. *Additional details on how this model was created can be found on Section IV of the report.*

- Under the 2022-23 “housing impact” model, first grade enrollment is projected to range between 198 and 287 students, and average 242 students annually through 2032-33.

4. 2022-23 Housing Impact HIGH Model

The 2022-23 “housing impact HIGH” model is first based on the 2022-23 “best fit” model +COVID Adjustment, then takes account an increase in preschool in-migration and grade-to-grade migration from the highest level of single-family development allowed under the current Growth Management Ordinance. *Additional details on how this model was created can be found on Section IV of the report.*

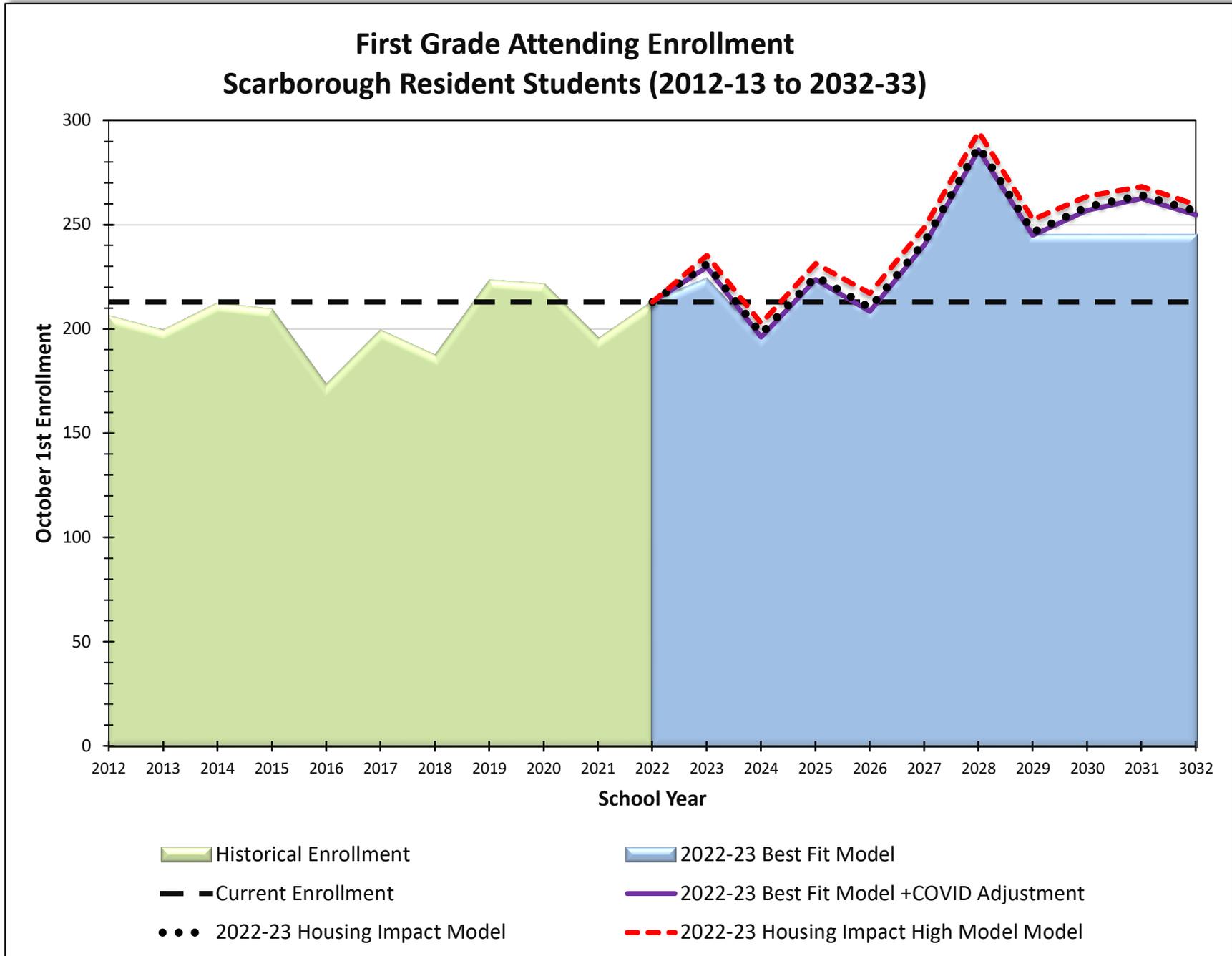
- Under the 2022-23 “housing impact HIGH” model, first grade enrollment is projected to range between 203 and 294 students, and average 247 students annually through 2032-33.

**Table II-1 - Relationship of Entering First Grade Class Size to Resident Births
Scarborough - Resident Attending Enrollment**

Birth Year (Oct. 15 - Oct. 14)	Resident Births	First Grade Year	Best Fit Model			# of Resident Births	Best Fit + COVID Adjustment			Housing Impact Model			Housing Impact High Model		
			Count	1st/Birth	+/-%		Count	1st/Birth	+/-%	Count	1st/Birth	+/-%	Count	1st/Birth	+/-%
2006-07	135	2013-14	199	1.474	47.4%	135									
2007-08	142	2014-15	212	1.493	49.3%	142									
2008-09	138	2015-16	209	1.514	51.4%	138									
2009-10	129	2016-17	173	1.341	34.1%	129									
2010-11	135	2017-18	199	1.474	47.4%	135									
2011-12	129	2018-19	187	1.450	45.0%	129									
2012-13	150	2019-20	223	1.487	48.7%	150									
2013-14	167	2020-21	221	1.323	32.3%	167									
2014-15	158	2021-22	195	1.234	23.4%	158									
2015-16	157	2022-23*	213	1.357	35.7%	157									
2016-17	138	2023-24	224	1.623	62.3%	138	230	1.667	66.7%	231	1.674	67.4%	235	1.703	70.3%
2017-18	142	2024-25	196	1.380	38.0%	142	196	1.380	38.0%	198	1.394	39.4%	203	1.430	43.0%
2018-19	162	2025-26	224	1.383	38.3%	162	224	1.383	38.3%	225	1.389	38.9%	231	1.426	42.6%
2019-20	151	2026-27	209	1.384	38.4%	151	209	1.384	38.4%	210	1.391	39.1%	217	1.437	43.7%
2020-21	174	2027-28	240	1.379	37.9%	174	240	1.379	37.9%	242	1.391	39.1%	249	1.431	43.1%
2021-22*	207	2028-29	286	1.382	38.2%	207	286	1.382	38.2%	287	1.386	38.6%	294	1.420	42.0%
2022-23 est	177	2029-30	245	1.382	38.2%	177	245	1.382	38.2%	246	1.387	38.7%	252	1.421	42.1%
2023-24 est	177	2030-31	245	1.382	38.2%	186	257	1.449	44.9%	258	1.386	38.6%	264	1.419	41.9%
2024-25 est	177	2031-32	245	1.382	38.2%	190	263	1.483	48.3%	264	1.388	38.8%	268	1.409	40.9%
2025-26 est	177	2032-33	245	1.382	38.2%	185	255	1.438	43.8%	256	1.387	38.7%	259	1.404	40.4%
10-Yr Avg. (2006-07 to 2015-16)	144	10-Yr Avg. (2013-14 to 2022-23)	203	1.415	41.5%										
5-Yr Avg. (2006-07 to 2010-11)	136	First 5-Yr Avg. (2013-14 to 2017-18)	198	1.459	45.9%										
5-Yr Avg. Births (2011-12 to 2015-16)	152	Most Recent 5-Yr Avg. (2018-19 to 2022-23)	208	1.370	37.0%										
3-Yr Avg. (2013-14 to 2015-16)	161	Most Recent 3-Yr Avg. (2020-21 to 2022-23)	210	1.305	30.5%										
Most Recent 5-Yr Avg. (2017-18 to 2021-22)	167	Projected 10-Yr Avg. (2023-24 to 2032-33)	236	1.406	40.6%										
Most Recent 3-Yr Avg. (2019-20 to 2021-22)	177					241	1.433	43.3%	242	1.417	41.7%	247	1.450	45.0%	

Births: Maine Center for Disease Control and Prevention, Data, Research and Vital Statistics. 2022 births are preliminary and provisional; *Future births for the "best fit" model were based on the 3-year average of births between 2019-20 and 2021-22. All other models births were based on the on 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... **Note:** Enrollment includes resident students attending district schools. First to birth ratios shown here are based on the rounded first grade projection from the Entering Class to Births Ratio Worksheet. **Source:** 2013-2022 enrollment data from the district. All else calculated by Wandell Consulting.

Figure 2



III. GRADE-TO-GRADE MIGRATION TRENDS

After assessing preschool-migration trends and establishing first grade enrollment, the migration trends between grades are examined and grade-to-grade survival ratios are established. These ratios represent the number of students in a grade in one year (i.e., 1st grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2nd grade in 2022-23). The historical average grade-to-grade survival ratios for the last three, four, five, six, seven, eight, nine and ten-year periods are analyzed to determine which period represents the statistical “best fit” at each of the grade levels. The grade-to-grade ratios that represent the “best fit” are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years. This section will show how the grade-to-grade migration trends have changed, on average, in Scarborough.

A. Grade-to-Grade Migration Ratios

Table-III-1 shows average grade-to-grade survival ratios in Scarborough for grades K-12 along with how the ratios translate into a loss or addition of new students. For example, the 10-year K-1 average ratio was 1.033, this translates to an average student in-migration of 3.3% between Kindergarten and first grade over the last decade. When looking at the grade-to-grade ratios over the last three years (2020-21 to 2022-23) and last two years (2021-22 to 2022-23) compared to what occurred over the first five-years of the period examined (2013-14 to 2017-18), student migration trends in Scarborough have changed somewhat.

The most notable change occurred between grades K-1, 1-2, 3-4, 4-5, 8-9 and 9-10.

- At grades K-1, 1-2, 3-4 and 9-10 more in-migration occurred over the last 2-year period compared to the in-migration occurring in the first 5-year period
- At grades 4-5, a change from an average out-migration to an average in-migration occurred over the last 2 and 3-years
- At grades 8-9, the average out-migration declined over the last 2-years

What this means is there has been some change in overall grade-to-grade migration. Considering the two school years over the last three years have been significantly impacted by the COVID-19 Pandemic, it is important to acknowledge enrollment migration trends likely have also been impacted. For example, some families may have chosen to homeschool their students, while other families may have moved their students to private schools or enrolled them in Charter Schools.

What remains to be seen is if these changes will continue and become a new trend. **Therefore, to account for the impact on enrollment trends, grade-to-grade migration between 2019-20 and 2020-21 were adjusted at the grade levels with the most unexpected changes in trends, and a second model was created called the 2022-23 “best fit” model +COVID Adjustment. While the “best fit” model is typically the most reasonable model to**

project future enrollment based on past enrollment trends, the additional model should provide a more reasonable enrollment projection scenario when considering the impact the COVID-19 Pandemic had on enrollment.

Table III-1												
Scarborough Attending Enrollment - Average Grade-to-Grade Survival Ratios - 2022-23 Best Fit Model												
School Year	Grade											
	K-1		1-2		2-3		3-4		4-5		5-6	
	Ratio	% +/-										
10 Year Avg. (13-22)	1.033	3.3%	1.032	3.2%	1.024	2.4%	1.033	3.3%	1.009	0.9%	1.019	1.9%
1st 5-Year Avg. (13-17)	1.035	3.5%	1.040	4.0%	1.026	2.6%	1.027	2.7%	0.998	-0.2%	1.010	1.0%
Last 5-Year Avg. (18-22)	1.032	3.2%	1.025	2.5%	1.022	2.2%	1.040	4.0%	1.021	2.1%	1.029	2.9%
Last 4-Year Avg. (19-22)	1.039	3.9%	1.015	1.5%	1.018	1.8%	1.044	4.4%	1.029	2.9%	1.033	3.3%
Last 3-Year Avg. (20-22)	1.029	2.9%	1.018	1.8%	1.015	1.5%	1.032	3.2%	1.032	3.2%	1.020	2.0%
Last 2-Year Avg. (21-22)	1.080	8.0%	1.065	6.5%	1.004	0.4%	1.073	7.3%	1.034	3.4%	1.024	2.4%

School Year	Grade											
	6-7		7-8		8-9		9-10		10-11		11-12	
	Ratio	% +/-										
10 Year Avg. (13-22)	1.006	0.6%	0.993	-0.7%	0.958	-4.2%	1.007	0.7%	1.005	0.5%	1.027	2.7%
1st 5-Year Avg. (13-17)	1.010	1.0%	1.000	0.0%	0.939	-6.1%	1.000	0.0%	1.005	0.5%	1.031	3.1%
Last 5-Year Avg. (18-22)	1.003	0.3%	0.986	-1.4%	0.977	-2.3%	1.014	1.4%	1.005	0.5%	1.022	2.2%
Last 4-Year Avg. (19-22)	1.003	0.3%	0.985	-1.5%	0.975	-2.5%	1.009	0.9%	1.006	0.6%	1.019	1.9%
Last 3-Year Avg. (20-22)	0.998	-0.2%	0.978	-2.2%	0.965	-3.5%	1.006	0.6%	1.001	0.1%	1.017	1.7%
Last 2-Year Avg. (21-22)	0.995	-0.5%	0.972	-2.8%	0.980	-2.0%	1.028	2.8%	0.998	-0.2%	1.020	2.0%

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

B. Additional Data of Interest

Additional nuggets of data also help to provide some insight of what has been happening with grade-to-grade enrollment migration. **Table III-2** provides a snapshot over the last five to eight school years of various data points not typically readily available for enrollment projection studies, and some data points where not readily available for all years. Regardless, considering the events of the last few years, it is prudent to look over other factors that may or may not be contributing to enrollment changes in Scarborough.

Homeschooled Students:

In 2020-21 and 2021-22 more students unenrolled to move to homeschooling than seen previously. Only 2 to 8 students unenrolled per year prior to the COVID-19 Pandemic, to 17 to 25 students unenrolling during the height of it, then reverting to 8 unenrolled for 2022-23.

The total of homeschooled students also increased dramatically during 2020-21 and 2021-22, with total home school enrollment ranging between 74 and 76 students. **Caveat** - the totals of those who unenrolled will not necessarily relate to the same increase in overall homeschooling because of people moving out of Scarborough, some coming back into public schools, or moving into private schools from homeschooling etc...

Additionally, while granular data by grade data was available on students unenrolling, data on grade once students are placed in homeschooling is not as consistent. *Due to the small population sizes involved at some grade levels and groups, the detailed data by grade was not supplied in this report due to student privacy concerns.* However, there was a fairly even distribution of students leaving for homeschooling throughout the grade levels between 2020-21 and 2021-22.

By 2022-23, 64 students are still in homeschooled settings, which is a sizable count of students. What happens with the pool of homeschooled students should be monitored, because these students could potentially re-enroll in Scarborough Schools. For example, if homeschooling counts revert to pre-pandemic levels that could lead to an increase of anywhere between 25 and 60 students returning into Scarborough schools. These changes in homeschooled students help to support needing some adjustment to trends in the “best fit” model.

Students Attending Other District Schools:

These include other district schools who receive state funding for students. Examples include Cape Elizabeth, South Portland, Portland, Old Orchard Beach, and Thornton Academy etc.... **Note** - although Thornton Academy considers itself a Private School, because it enrolls Saco resident students and receives state and local funding for those students, it is a regular reporter of enrollment and can be considered in the Non-District Schools for the purpose of enrollment comparison.

Prior to 2018-19, only 1 to 4 students attended non-district schools, while between 2018-19 and 2022-23 enrollment increased to range between 31 and 45 students. This enrollment category does not appear to have been significantly impacted by the COVID-19 Pandemic as enrollment in non-district schools was already increasing in 2018-19, and enrollment did not significantly change between 2020-21 and 2021-22.

Charter School Enrollment:

These are students who attend Charter Schools such as Baxter Academy, Harpswell Coastal Academy, Maine Connections Academy, and Maine Virtual Academy. Much like the enrollment at other non-district schools, the number of students at Charter Schools did not change significantly. Enrollment had increased from 1 student in 2015-16 to reach a high enrollment of 33 students by 2018-19, then leveled off at 20 to 29 students per year. This enrollment category also does not appear to have been significantly impacted by the COVID-19 Pandemic as enrollment in Charter Schools did not significantly change between 2020-21 and 2021-22, when compared to enrollment before and after.

Private School Enrollment:

Private School enrollment has always been a difficult to track for enrollment projection purposes because Private Schools are not always consistent with their enrollment reporting to MDOE. Take for example the 2022-23 data for Private Schools where the data is missing several Private School.

In 2021-22, Waynflete reported 45 students in grades K-12, while 11 students were reported at the Greater Portland Christian School, and another 9 students were reported at North Yarmouth Academy. However, in 2022-23, no students were reported at any of these Private Schools. It is highly unlikely all 65 students left these Private Schools, and this is just a missing data component at the time of this report. Data for 2016-17 was also missing for many Private Schools and should also be discounted as unreliable data. Therefore, no conclusion can be made about whether Private School enrollment of Scarborough students was impacted during the COVID-19 Pandemic.

Kindergarten Enrollment:

One question that typically comes up with Kindergarten enrollment is, how many students are repeating Kindergarten and how many students have a delayed Kindergarten enrollment year. First, when looking at the number of students repeating their Kindergarten year, it is a very small number, averaging around 4.5 students per year, and has been reasonably consistent over the last 4 years.

Next, when looking at the number of students who had their start of Kindergarten delayed, there has been some consistency in the number of families opting to delay their student's Kindergarten enrollment. These figures were determined by looking at historical enrollment data for the last 5 years, and the actual birth dates of each of the Kindergarten students in each school year. **No additional information was provided such as gender, student name, or address to make any additional conclusions, as only the birth date and enrollment year was provided.** For example, in 2018-19, based on their birth date, 26 students should technically have been enrolled in Kindergarten in 2017-18.

What the data is not able to determine is, if students who delayed their enrollment also just moved to Scarborough, or started Kindergarten in another district. That said, between 2018-19 and 2021-22, around 26 and 29 students had their Kindergarten enrollment delayed by a year. In 2022-23, 37 students had their Kindergarten delayed. This was higher than typically seen by about 8 students. Not a significant change, but notable in that, it does help to explain some of the higher enrollment in Kindergarten seen this year. This also helps to support an adjustment to the "best fit" model to use the first grade to Kindergarten ratio for projecting the 2023-24 first grade class size.

Nugget Data Findings:

Homeschooled enrollment change played a part in reducing the number of students enrolled in Scarborough Schools since the onset of the Pandemic. What remains to be seen is if these students will start to re-enroll in Scarborough Schools, or if they will continue to be homeschooled in the future. Additionally, the 2022-23 school year saw a larger number of Kindergarten students enter a year delayed.

No specific adjustment to the 2022-23 “best fit” model was made to account for homeschool enrollment changes, however, it does help to support adjustment to “best fit” model at grade levels noted in the grade-to-grade migration trends discussed previously and supports the reasoning behind the 2022-23 “best fit” model +COVID Adjustment.

Appendix Table III-2 Scarborough Students - Other Enrollment Information - 2018-19 to 2022-23								
School Year	# of Students who Unenrolled for Homeschooling	Homeschooling K-12 Total	Attending Other Non-District Schools K-12	Attending Charter Schools K-12	Attending Private Schools K-12	Attending Charter Schools K-12	Repeat Kindergarten	Delayed Kindergarten Start
2015-16	7		1	1	28	1		
2016-17	6		4	5	2	5		
2017-18	8		3	3	17	3		
2018-19	3		5	45	33	47		
2019-20	2	41	34	22	53	22	4	29
2020-21	17	76	40	22	56	22	6	27
2021-22	25	74	41	20	64	20	4	29
2022-23	8	64	31	29	10*	29	4	37
5-year Avg (18-19 to 22-23)	11	52	38	25	Inconsistent Data Reporting	25	4.5 Average	30
3-year Avg (20-21 to 22-23)	17	71	37	24		24		31
Prior to COVID-19 (18-19 to 19-20)	3	23	40	28		28		28
Difference last 3 years compared to prior to COVID-19	14	48	-2	-4		-4		4

*Thornton Academy included in Non-District Schools Data, no data available for North Yarmouth, Waynflete, GPCS

IV. RESIDENTIAL DEVELOPMENT IMPACT ON ENROLLMENT

Future school enrollment is impacted by past, current, and future trends in population, housing development, and economic conditions. With the growth of a population and development of new homes comes the potential for new students in the school system. Because school enrollment in Scarborough is impacted by residential development, development trends in the district are analyzed. This information is then used to test whether the “best fit” cohort survival enrollment projections adequately reflect the impact of potential residential development trends.

A. New Housing Unit Development

Table IV-1 presents trends in annual new housing units built in Scarborough between 2003 and 2022. New housing unit data is examined to estimate housing units in the future and to determine if residential development in Scarborough is impacting school enrollment trends. Data on annual new housing units added since 2003 is used to analyze residential development trends, and was obtained from the Scarborough Planning Department. The data on multi-family units excludes studio and 1-bedroom units and any housing that was designated specifically as “senior” or age-restricted housing. The data has been adjusted somewhat since the 2018 enrollment study by the Planning Office. During their Growth Management Ordinance review, according the Planning Office figures were updated as the older data may have accounted for growth permits instead of actual permits issued. It is important to note some permits for the 1-bedroom units or age-restricted housing might have been included, but the information should be reasonably accurate to use for assessing impact on school enrollment.

Since 2003, development of all new non-senior housing units has fluctuated between 38 and 204 units per year. New housing unit builds peaked prior to the 2007 recession, and falling at the onset of the recession, then picked back up once recovery from the recession began. Most recently, 2015-2022, the number of housing units has increased significantly due to an increase in multi-family unit development.

On average, 113 new non-senior housing units have been added annually in Scarborough since 2003. Over the last five years (2018 to 2022), 173 new non-senior housing units were added annually while the previous five-year period (2013 to 2017) experienced a lower average growth of 105 new units per year. Looking at the last three years, (2020 to 2022), on average 158 housing units were added annually. The increase in new housing over the last three to five years was driven largely by the addition of new multi-family projects in town, while the average number of single-family homes added annually, remained stable, averaging between 76 and 78 units per year.

When looking at the multi-family housing projects issued permits over the last five years, the new permits included a significant number of 1-bedroom units which would have no statistical impact on future school enrollment. Projects that fit the category for having no impact on school enrollment would be the Eastern Village’s development of 53 units (permits pulled in 2018) consisting of all 1-bedroom units, and the Dunstan Crossing 34 1-bedroom units. It is important to keep in mind the housing figures used for this study excluded any permit issued for a one-bedroom unit. If the permits for those units were included in this analysis, the number of permits issued in 2017 would have been 262 and in 2018 in 380 permits issued and would have significantly skewed the overall impact of new housing on enrollment.

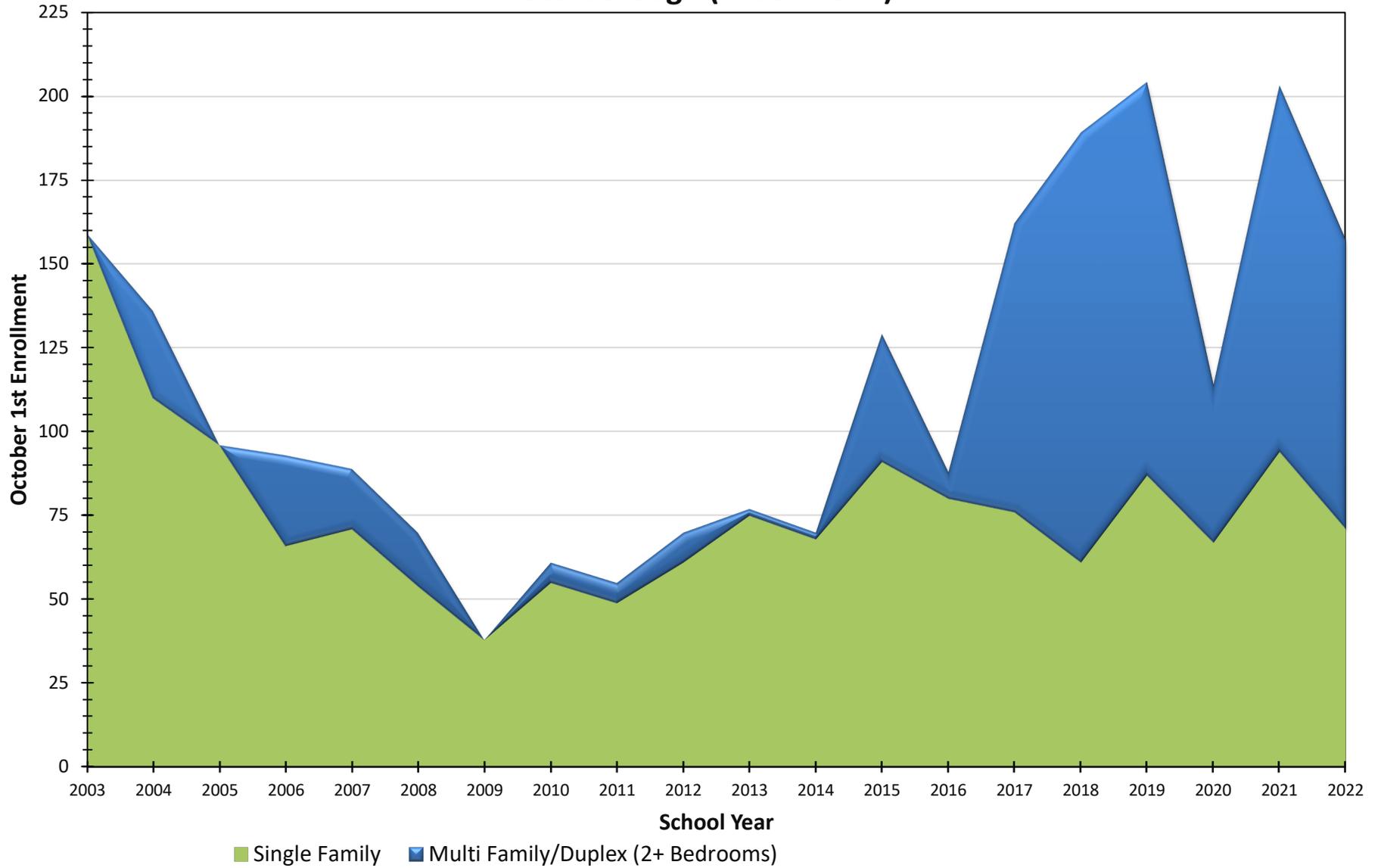
**Table IV-1
Trends in New Housing Units - 2003-2022 - Scarborough**

Calendar Year	Single Family	Duplex + Multi-Family (2+ Bd Units) (Excl Senior Housing)	New Housing Units
2003	159	0	159
2004	110	26	136
2005	96	0	96
2006	66	27	93
2007	71	18	89
2008	54	16	70
2009	38	0	38
2010	55	6	61
2011	49	6	55
2012	61	9	70
2013	75	2	77
2014	68	2	70
2015	91	38	129
2016	80	8	88
2017	76	86	162
2018	61	128	189
2019	87	117	204
2020	67	47	114
2021	94	109	203
2022	71	86	157
20-Year Avg. (2003 to 2022)	76	37	113
First 10-Year Avg. (2003-2012)	76	11	87
Most Recent 10-Year Avg. (2013 to 2022)	77	62	139
5-Year Avg. (2013 to 2017)	78	27	105
Most Recent 5-Year Avg. (2018 to 2022)	76	97	173
Most Recent 3-Year Avg. (2020 to 2022)	77	81	158

Source: Scarborough Planning Office, updated on 2/28/2023 to fall inline with the recent GMO updates. Excludes permits for known age-restricted housing, and any studio or 1-bedroom units.

Figure 3

New Housing Units Scarborough (2003 - 2022)



B. Impact of Residential Development on Net In-Migration

Scarborough has historically experienced significant in-migration of both preschool-aged children and school-aged children in the elementary grades. Over the past decade, the size of the first-grade class has exceeded the number of births to Scarborough residents six years earlier by 37 to 73 students per year. Interestingly, the rate of in-migration of preschool-aged children had increased significantly in the years leading up to the COVID-19 pandemic years, then declined over the last three years, but regardless of the decline preschool in-migration persisted and remained strong. **(See Table II-1 from Section II)**

Scarborough Public Schools has also historically experienced the net in-migration of students in the elementary grades (primary and intermediate schools). The level of net in-migration has increased and over the past decade, averaging a gain of 25 students per year. During these 10 years, net migration varied widely with a loss of 11 students in 2015-16, and 12 students in 2020-21, to high in-migration levels of 49 students in 2016-17, and 48 students in 2022-23.

Since net in-migration has played a significant role in the enrollment trends in the Scarborough, understanding what is driving those trends and how migration may occur in the future is important in projecting possible future enrollment. This section looks at the relationship between residential development and net in-migration of these two age groups to see if there is a consistent relationship between residential development and migration that should be accounted for in the enrollment projections and the long-range building plans for the district.

1. Preschool Migration

Table IV-2 compares the increase in the preschool-aged population with the amount of non-senior residential construction during that same time period. The residential construction figures are based on building permit data supplied by the Town and are offset by a year to account for the period of construction. The table looks at both single-family homes separately and at all non-senior housing including single-family homes, condominiums, and rental apartments combined but excludes any studio/1-bedroom units.

Table IV-2

Relationship of Preschool Migration to Residential Development - Scarborough

Birth Year	# of Births	First Grade Year	First Grade Class size	Net In-Migration	5-Years	New SFHs	Migration Ratio Students/100 Units	New Non-Senior Units	Migration Ratio Students/100 Units
2002-03	182	2009-10	246	64	2004-08	397	16.1	484	13.2
2003-04	158	2010-11	224	66	2005-09	325	20.3	386	17.1
2004-05	168	2011-12	208	40	2006-10	284	14.1	351	11.4
2005-06	152	2012-13	209	57	2007-11	267	21.3	313	18.2
2006-07	135	2013-14	199	64	2008-12	257	24.9	294	21.8
2007-08	142	2014-15	212	70	2009-13	278	25.2	301	23.3
2008-09	138	2015-16	209	71	2010-14	308	23.1	333	21.3
2009-10	129	2016-17	173	44	2011-15	344	12.8	401	11.0
2010-11	135	2017-18	199	64	2012-16	375	17.1	434	14.7
2011-12	129	2018-19	187	58	2013-17	390	14.9	526	11.0
2012-13	150	2019-20	223	73	2014-18	376	19.4	638	11.4
2013-14	167	2020-21	221	54	2015-19	395	13.7	772	7.0
2014-15	158	2021-22	195	37	2016-20	371	10.0	757	4.9
2015-16	157	2022-23	213	56	2017-21	385	14.5	872	6.4

Sources: Births - Bureau of Health Statistics and Data Management, Maine Department of Health and Human Services, Bureau of Vital Records Administration. 1st Grade Enrollments - based on October 1st, Scarborough School Department. Residential New Housing Units from Town of Scarborough Planning Department. (SFHs is short for Single-family Homes)

At first glance, the data suggests the level of net in-migration of preschool-aged children does not directly correlate with the amount of new residential construction in the community. Between 2009-10 and 2013-14, a possible explanation is the reduction in the vacancy rate in the Scarborough housing stock that had occurred due to an economic recession between 2007 and 2009. In 2008 and 2009 vacancy rates increased as homes were foreclosed and people moved, but the vacancy rate dropped through 2013-2014 as the housing market recovered from the recessionary impacts. Following 2015-16, the correlation between new housing units and preschool in-migration became clearer, with the overall migration ratio/100 units falling between 11 and 14.7 students per 100 units. Then, the COVID 19 Pandemic comes into play along with a significant increase in multi-family units. While the overall migration per 100 units declined to be between 4.9 and 7.0 students per 100 units, some of this is the result of the large number of units overall, and some of it is due to the housing market changes experienced over the last 3 years.

2. Elementary Migration

Table IV-3 looks at how the combined enrollment in Grades 1 through 5 changes as those classes age into Grades 2 through 6 the following year compared to the amount of residential development authorized during the preceding year. In most years, those five grades have grown in total by anywhere between 2 to 49 students as they moved up one grade while the fifteen-year average is approximately +21 students. In the transition from October of 2007 to October of 2008, these grades experienced a net out-migration. This was the period of the housing market collapse. However, between October 2014 and October 2015 as in October 2019 to October 2020 where the COVID-19 Pandemic impacted school enrollment, and a net out-migration occurred. **Excluding these three years from the mean, results in an average in-migration of 29 students per year over the last 15 years which increases significantly to 42 students per year over the last 4 years.**

When the year-by-year elementary migration is compared to the number of building permits issued by the Town in the preceding year for non-senior housing units (single-family homes, condominiums, and rental apartments) the elementary migration fluctuated independently of the number of new housing units added, therefore no clear relationship between the level of residential construction and the level of elementary migration was noted when looking at the 10 and 15-year trends. However, over the last three to five years there seems to be a bit more correlation between new housing and elementary in-migration if we exclude the COVID-19 year migration of 2019-20/2020-21. Next we look at the potential impact of specific kinds of residential development.

Table IV-3

Relationship of Elementary Migration to Residential Development - Scarborough

Calendar Year	Single-Family Homes	Non-Senior Multi-family Units	Total Non-Senior Units	School Year	Net Migration	In-Migration per 100 Units	
		(Excl 1-br Units)	(Excl 1-br Units)		(Grades 1-5 to 2-6)	Per Single-Family Home	Per Non-Senior Unit
2003	159	0	159	2003-04 to 2004-05	16	10.1	10.1
2004	110	26	136	2004-05 to 2005-06	23	20.9	16.9
2005	96	0	96	2005-06 to 2006-07	26	27.1	27.1
2006	66	27	93	2006-07 to 2007-08	30	45.5	32.3
2007	71	18	89	2007-08 to 2008-09	-9	-12.7	-10.1
2008	54	16	70	2008-09 to 2009-10	22	40.7	31.4
2009	38	0	38	2009-10 to 2010-11	24	63.2	63.2
2010	55	6	58	2010-11 to 2011-12	2	3.6	3.4
2011	49	0	45	2011-12 to 2012-13	35	71.4	77.8
2012	61	9	71	2012-13 to 2013-14	31	50.8	43.7
2013	75	0	77	2013-14 to 2014-15	14	18.7	18.2
2014	68	0	70	2014-15 to 2015-16	-11	-16.2	-15.7
2015	91	38	129	2015-16 to 2016-17	49	53.8	38.0
2016	80	8	88	2016-17 to 2017-18	22	27.5	25.0
2017	76	86	162	2017-18 to 2018-19	26	34.2	16.0
2018	61	128	189	2018-19 to 2019-20	44	72.1	23.3
2019	87	117	204	2019-20 to 2020-21	-12	-13.8	-5.9
2020	67	47	114	2020-21 to 2021-22	34	50.7	29.8
2021	94	109	203	2021-22 to 2022-23	48	51.1	23.6
15-Year Avg.	68	39	107	15-Year Avg.	21	33.0	24.1
10-Year Avg.	76	54	131	10-Year Avg.	25	32.9	19.6
5-Year Avg.	77	97	174	5-Year Avg.	28	38.9	17.4
4-Year Avg.	77	100	178	4-Year Avg.	29	40.0	17.7

Sources: Net Migration - Calculated based on October 1st attending resident enrollment. Residential New Housing Units - 2003-2022 from Town Planning Department

C. Enrollment Impacts of Various Types of Residential Development

Scarborough has gone through various patterns of residential development. In the 1970s and 1980s, the Town experienced a mix of single-family development and townhouse-style condominium development much of which was located on the east side of the community. The 1990s saw primarily single-family development with much of it occurring in large-lot subdivisions some of which were in the west side of the community. Over the past fifteen years, residential development in Scarborough has returned to a more mixed pattern of development including low-density single-family development, higher density planned developments such as Dunstan Crossing and Eastern Village, and multi-family housing such as Carrier Woods and the Beacon, along with housing specifically geared toward seniors.

In 2015 a private public policy consulting firm, Planning Decisions Inc. was hired by Scarborough Public Schools to look at the impact of new housing unit development on enrollment. To help understand how various types of residential development impacted school enrollments, Planning Decisions looked at actual enrollments from a sample of various types of projects. **In 2018 a new study was completed which looked at the impact of various multi-family housing projects which will be discussed later in the report.** The various single-family subdivision groups were selected to see if and how school enrollments change as a subdivision ages. In addition, this most recent study also looked at some newer residential subdivisions in town to determine if the impact has changed or remained the same.

Three types of traditional single-family residential developments were identified to analyze in 2015:

- Traditional single-family subdivisions developed between 1995 and 2000
- Traditional single-family subdivisions developed between 2005 and 2010
- Traditional single-family subdivisions developed after 2010

Two types of traditional single-family residential developments were identified to analyze in 2022:

- Traditional single-family subdivisions starting development between 2013 and 2018
- Traditional single-family subdivisions starting development between 2019 and 2022

Table IV-4 summarizes the enrollments per housing unit by the five categories. The table provides the enrollment per unit for the primary, intermediate, middle and high school grade groupings as well as for the total enrollment in all grades. Overall, there was a slightly lower level of enrollment per unit for K-12 enrollment between the 2022 findings compared to the 2015 findings, with the more recent single-family development bringing in fewer students in grades 6-8 and 9-12. Although it is important to note, not all of the units analyzed in 2019-2022 could have been built or lived in by the time school starts, and this information should be used with caution.

There was a notable change in the impact on Primary and Intermediate enrollment. Single-family subdivisions permitted and built between 2013 and 2018 contribute to a higher enrollment per unit in grades K-2 and 3-5, and the single-family subdivisions permitted between 2019 and 2022 contributed to a higher K-2 per unit enrollment than seen in the previous study. To predict the future impact of future single-family development on

enrollment, an average was used for the single-family subdivisions between 1995 and 2018. The most recent single family data (2019-2022) was excluded at this time because houses were still in process of being built and enrollment data would not reflect students who have not yet moved into their new homes.

Table IV-4 - Enrollment per Unit by Type of Development fo Single Family Homes					
Type of Development	Enrollment per Unit				
	Primary K-2	Intermediate 3-5	Middle 6-8	High 9-12	Total K-12
2015 Planning Decisions Study					
Single-family Subdivisions 1995-2000	0.12	0.17	0.19	0.39	0.86
Single-family Subdivisions 2005-2010	0.21	0.18	0.24	0.25	0.85
Single-family Subdivisions after 2010	0.12	0.12	0.15	0.19	0.58
2022 Study					
Single-family Subdivisions 2013-2018	0.27	0.25	0.08	0.19	0.78
Single-family Subdivisions 2019-2022*	0.20	0.09	0.03	0.03	0.38
Average Impact for Future Development					
Average Single Family Subdivisions 1995-2018	0.18	0.18	0.17	0.26	0.77
Note: For the 2019 - 2022 Single-Family Subdivisions, not all of these units have been completely built, therefore they will be excluded from the calculation used to make future impact on enrollment. Source: Calculated by Planning Decisions, Inc. in 2015 enrollment study, and 2022-23 enrollment study calculated by Wandell Consulting.					

Fast forwarding to 2022, new multi-family housing unit development has increased significantly. The question of how this new development is impacting enrollment is at the forefront of facilities planning discussions. To determine the impact of future new multi-family housing on school enrollment we must first determine the impact of past multi-family housing unit development. Eight multi-family housing unit projects were identified to use for comparison purposes. These projects included Burnham Woods, Carrier Woods, Foxcroft, Coach Lantern, Meadow Woods, with The Oaks and the West Oaks being combined, the Avesta project called Southgate, and the Beacon (formerly known as Gateway) as one for the purpose of analysis. These eight developments account for 729 total units. The majority of units (501) offer 2-bedrooms, another 125 units have 3-bedrooms, and 103 offer only 1-bedroom or a studio unit. (See Table IV-5).

Development	Roads	Housing Information					Enrollment by School/Group					Ratio of Students/Unit (Excl 1-br)				
		X of Units	Type of Units	Studio/ 1 bd	2bd	3bd	K-2	3-5	6-8	9-12	K-12	Ratio K-2	Ratio 3-5	Ratio 6-8	Ratio 9-12	Ratio K-12
Burnham Woods	North St/Diner Dr	55	1, 2 bd	40	15	0	0	1	0	1	2	0.00	0.07	0.00	0.07	0.13
Carrier Woods	Carrier Woods Rd	84	1, 2 bd	42	42	0	1	1	1	3	6	0.02	0.02	0.02	0.07	0.14
Foxcroft	Foxcroft Rd/Foxcroft Cir	104	2 bd	0	104	0	4	7	2	4	17	0.04	0.07	0.02	0.04	0.16
Coach Lantern	Coach Lantern E/W	90	2, 3 bd	0	35	55	11	10	12	15	48	0.12	0.11	0.13	0.17	0.53
Meadow Woods	62 Gorham Rd	37	1, 2, 3 bd	4	30	3	1	4	3	4	12	0.03	0.12	0.09	0.12	0.36
Oaks E/W	Pinoak Dr	135	1, 2, 3 bd	7	111	17	15	15	12	25	67	0.12	0.12	0.09	0.20	0.52
Southgate - Avesta	577 US Route 1	38	Studio, 1, 2, 3 bd	10	20	8	8	4	2	11	25	0.29	0.14	0.07	0.39	0.89
Beacon (Gateway)	Gateway Ct, Gateway Cir	186	2, 3 bd		144	42	11	8	10	4	33	0.06	0.04	0.05	0.02	0.18
Totals		729		103	501	125	51	50	42	67	210	0.08	0.08	0.07	0.11	0.34

Table IV-6 details the enrollment by grade and by grade group for each of the eight projects used for comparison and then calculates a ratio of students per unit; 1-bedroom units were excluded from the ratios since studios and one-bedroom units would have no impact on enrollment. For all grades, K-12, there was 210 students in Scarborough living in these eight multi-family housing projects. While students were distributed through all grade levels, slightly more students were found in grades 9-12 (67 students total) compared to the other 3 grade groups (51 in grades K-2, 50 in grades 3-5, and 42 students in grades 6-8).

Interestingly, a different enrollment per unit is noted between projects with 1 and 2 bedrooms compared with projects that offer 1, 2 and 3-bedroom units.

Burnham Woods:

- Offers 15 2-bedroom units
- K-12 enrollment was 0.13 students/unit

Carrier Woods:

- Offers 42 2-bedroom units
- K-12 enrollment was 0.14 students/unit

Foxcroft:

- Offers 104 2-bedroom units
- K-12 enrollment was 0.16 students/unit

When looking at the projects with 1, 2 and 3 bedroom units (Coach Lantern, Meadow Woods, The Oaks/West Oaks, Southgate and Beacon), the overall ratio of students per all unit types more than doubles for Meadow Woods with 0.36 students/unit, is four times higher for Coach Lantern which had an enrollment of 0.53 students/unit, the Oaks and West Oaks combined, with an enrollment of 0.52 students/unit, and Southgate is five times higher with an enrollment 0.89 students per unit.

The Oaks and West Oaks offers a larger scale development in close proximity to the schools with the vast majority being market rate units. Whether the size of the project or location of the project makes it more desirable is a bit of an uncertainty, but one would venture to guess both factors are at least considered by the families renting the units. When looking at the impact by specific project type and for bedroom type the data also reveals some interesting trends.

Additionally, the Beacon (Gateway) project, despite offering 3-bedroom units, has an enrollment of 0.18 students per unit which is more in line with the projects consisting only of 1 and 2-bedroom units. Factors that may be impacting families' decision to rent here are, this project is still under construction, and the cost to rent the units can be higher than other options in town. The impact on enrollment for this development may change over the next five years as construction is completed and housing options throughout Scarborough change, but at this point it too soon to know for certain.

Table IV-6 also breaks down the enrollment by 2 and 3-bedroom units for each of the multi-family housing projects analyzed.

Coach Lantern:

- Offers **35** 2-bedroom units and **55** 3-bedroom units
- 2-bedroom units contribute 0.11 students/unit, a ratio very similar to Burnham Woods, Carrier Woods, and Foxcroft
- 3-bedroom units contribute 0.80 students/unit. A ratio higher than the impact of single-family homes built after 2010, or 0.58 students/units, but similar to the impact of those single-family homes built between 2005 and 2010, or 0.85 students/unit, and 2013 and 2018 or 0.78 students/unit.

Meadow Woods:

- Offers **30** 2-bedroom units and **3** 3-bedroom units.
- 2-bedroom units contribute 0.30 students/unit, in line with multi-family rentals, or 0.36 students/unit
- 3-bedroom units contribute 1.00 students/units. A ratio higher than the student/unit impact of any single-family homes, but was also subject to significant skewing of the data due to the extremely small sample size of 3 units with 3-bedrooms

The Oaks/West Oaks:

- Offers **111** 2-bedroom units and **17** 3-bedroom units
- 2-bedroom impact is 0.49 students/unit, a slightly lower rate compared to single-family homes built after 2010, or 0.58 students/unit but higher than all other multi-family projects in this study
- 3-bedroom units impact is 0.76 students/unit, a rate that also falls inline with the single-family home impact

Southgate/Avesta:

- Offers **20** 2-bedroom units and **8** 3-bedroom units
- 2-bedroom impact is 0.45 students/unit, a slightly lower rate compared to single-family homes built after 2010, or 0.58 students/unit
- 3-bedroom units impact is 2.00 students/unit, a rate that is more than double the single-family home impact, but was also subject to significant skewing of the data due to the extremely small sample size of 8 units with 3-bedrooms

Beacon/Gateway:

- Offers **144** 2-bedroom units and **42** 3-bedroom units
- 2-bedroom impact is 0.06 students/unit, a significantly lower rate compared to other multi-family housing projects but is a project that offers by far the most 2-bedroom units in the projects assessed, and is still under construction
- 3-bedroom units impact is 0.57 students/unit, a similar rate compared to single-family homes built after 2010, or 0.58 students/unit

Table IV-6 - Impact by Specific Project Type and by Bedroom/Unit Type - Scarborough Enrollment in Multi-family Housing Projects 2022-23

Projects with only 1 and 2 bedroom units																
		Housing Information					Enrollment by School/Group					Ratio of Students/Unit (Excl 1-br)				
Development	Roads	X of Units	Type of Units	1 bd	2bd	3bd	K-2	3-5	6-8	9-12	K-12	Ratio K-2	Ratio 3-5	Ratio 6-8	Ratio 9-12	Ratio K-12
Burnham Woods	North St/Diner Dr	55	1, 2 bd	40	15	0	0	1	0	1	2	0.00	0.07	0.00	0.07	0.13
Carrier Woods	Carrier Woods Rd	84	1, 2 bd	42	42	0	1	1	1	3	6	0.02	0.02	0.02	0.07	0.14
Foxcroft	Foxcroft Rd/Foxcroft Cir	104	2 bd	0	104	0	4	7	2	4	17	0.04	0.07	0.02	0.04	0.16
Impact from Projects with 1/2 bedrooms		243		82	161	0	5	9	3	8	25	0.03	0.06	0.02	0.05	0.16
Projects with 1, 2, 3 bedroom units																
		Housing Information					Enrollment by School/Group					Ratio of Students/Unit (Excl 1-br)				
Development	Roads	X of Units	Type of Units	1 bd	2bd	3bd	K-2	3-5	6-8	9-12	K-12	Ratio K-2	Ratio 3-5	Ratio 6-8	Ratio 9-12	Ratio K-12
Coach Lantern	Coach Lantern E/W	90	2, 3 bd	0	35	55	11	10	12	15	48	0.12	0.11	0.13	0.17	0.53
		35			35	1	2	1	0	4	0.03	0.06	0.03	0.00	0.11	
		55			55	10	8	11	15	44	0.18	0.15	0.20	0.27	0.80	
Meadow Woods	62 Gorham Rd	37	1, 2, 3 bd	4	30	3	1	4	3	4	12	0.03	0.12	0.09	0.12	0.36
		30			30	1	4	1	3	9	0.03	0.13	0.03	0.10	0.30	
		3			3	0	0	2	1	3	0.00	0.00	0.67	0.33	1.00	
Oaks E/W	Pinoak Dr	135	1, 2, 3 bd	7	111	17	15	15	12	25	67	0.12	0.12	0.09	0.20	0.52
		111			111	13	11	10	20	54	0.12	0.10	0.09	0.18	0.49	
		17			17	2	4	2	5	13	0.12	0.24	0.12	0.29	0.76	
Southgate - Avesta	577 US Route 1	38	1, 2, 3 bd	10	20	8	8	4	2	11	25	0.29	0.14	0.07	0.39	0.89
		20			20	3	1	1	4	9	0.15	0.05	0.05	0.20	0.45	
		8			8	5	3	1	7	16	0.63	0.38	0.13	0.88	2.00	
Beacon (Gateway)	Gateway Ct, Gateway Cir	186	2, 3 bd		144	42	11	8	10	4	33	0.06	0.04	0.05	0.02	0.18
		144			144	4	2	2	1	9	0.03	0.01	0.01	0.01	0.06	
		42			42	7	6	8	3	24	0.17	0.14	0.19	0.07	0.57	
Impact from Projects with 1/2/3 Bedroom Units		486		21	340	125	46	41	39	59	185	0.10	0.09	0.08	0.13	0.40
<i>Impact from 2 Bedroom Units</i>		<i>340</i>			<i>340</i>		<i>22</i>	<i>20</i>	<i>15</i>	<i>28</i>	<i>85</i>	<i>0.06</i>	<i>0.06</i>	<i>0.04</i>	<i>0.08</i>	<i>0.25</i>
<i>Impact from 3 Bedroom Units</i>		<i>125</i>				<i>125</i>	<i>24</i>	<i>21</i>	<i>24</i>	<i>31</i>	<i>100</i>	<i>0.19</i>	<i>0.17</i>	<i>0.19</i>	<i>0.25</i>	<i>0.80</i>
Impact from 2-Bd Units, Both Project Types		501			501		27	29	18	36	110	0.05	0.06	0.04	0.07	0.22

*Beacon is not fully built - this includes all units built at this time, remaining units will consist of mostly studio, 1-bedroom and some 2-bedroom

Lastly, **Table IV-7** compares the 2015 study findings for the enrollment per unit of impact for non-senior multi-family rentals to the overall ratios of impact from the 2018 study and the 2022 study. Interestingly, the ratios have not significantly changed. The total enrollment per multi-family unit in 2015 was 0.36 students/unit while in 2018 the total impact was 0.38 students/unit, and in 2022 the impact was 0.34 students/unit.

However, in 2018 when we looked at things more closely, or specifically by number of bedrooms offered in each unit and the enrollment coming from each unit type, the impact was significantly different, with the impact of 3-bedroom units being significantly higher than the combined impact of all unit types. In 2018 the impact from 3-bedroom units was 0.68 students/unit, however by 2022 the impact of 3-bedroom units is now 0.80 students/unit. **The impact of a 3-bedroom multi-family unit is now the same as a single-family home.**

Table IV-7					
Enrollment per Unit Comparison 2015 Study to the 2018 and 2022 Studies - Scarborough Enrollment 2018-19 and 2022-23					
Type of Development	Enrollment per Unit				
	Primary K-2	Intermediate 3-5	Middle 6-8	High 9-12	Total
2015 Study					
Non-Senior Multi-family Rentals	0.1	0.08	0.09	0.08	0.36
2018 Study					
All Non-Senior Multi-family Units 6 Projects Combined (excludes 1-bd units)	0.11	0.09	0.08	0.1	0.38
1 & 2 bedroom Unit Projects Burnham Woods/Carrier Woods/Foxcroft	0.04	0.04	0.04	0.04	0.16
1, 2, & 3 bedroom Unit Projects Coach Lantern/Meadow Woods/Oaks E/W	0.15	0.13	0.12	0.14	0.53
<i>Impact from 2-bedroom Units</i>	<i>0.15</i>	<i>0.1</i>	<i>0.1</i>	<i>0.11</i>	<i>0.46</i>
<i>Impact 3-bedroom Units</i>	<i>0.15</i>	<i>0.2</i>	<i>0.15</i>	<i>0.19</i>	<i>0.68</i>
<i>Combined 2-bedroom Unit Impact</i>	<i>0.1</i>	<i>0.07</i>	<i>0.07</i>	<i>0.08</i>	<i>0.32</i>
2022 Study					
All Non-Senior Multi-family Units 8 Projects Combined (excludes 1-bd units)	0.08	0.08	0.07	0.11	0.34
1 & 2 bedroom Unit Projects Burnham Woods/Carrier Woods/Foxcroft	0.03	0.06	0.02	0.05	0.16
1, 2, & 3 bedroom Unit Projects Coach Lantern/Meadow Woods/Oaks E/W/Southgate/Beacon	0.10	0.09	0.08	0.13	0.40
<i>Impact from 2-bedroom Units</i>	<i>0.06</i>	<i>0.06</i>	<i>0.04</i>	<i>0.08</i>	<i>0.25</i>
<i>Impact 3-bedroom Units</i>	<i>0.19</i>	<i>0.17</i>	<i>0.19</i>	<i>0.25</i>	<i>0.80</i>
<i>Combined 2-bedroom Unit Impact</i>	<i>0.05</i>	<i>0.06</i>	<i>0.04</i>	<i>0.07</i>	<i>0.22</i>

Source: Calculated by Planning Decisions, Inc. in 2015 enrollment study, 2018 and 2022 calculated by Wandell Consulting

D. Future Rate of Residential Development

The amount of residential development in Scarborough has varied widely over the past. The number of permits for new single-family homes dropped from 159 in 2003 to a low of 38 in 2009. (**See Table IV-1**). Since 2012, single-family starts have rebounded averaging 77 units between 2013 and 2022. Prior to 2015, multi-family housing that was not targeted to seniors has occurred intermittently over the past decade primarily at the Oaks/West Oaks development in Oak Hill. However, as discussed previously more recently new multi-family unit development has increased significantly and based on the assessment in the last section, multi-family housing has a strong influence on in-migration in the schools, and 3-bedroom multi-family units have the same impact on enrollment as a single-family home.

The next question is, where will future development fall? The Town of Scarborough currently has a Growth Management Ordinance which will drive the amount and type of new housing unit development in Scarborough.

The details are below (*information and table taken from the 2-14-2023 Workshop presentation.*) **While there is discussion around changing the Growth Management Ordinance, that change was not solidified when this report was written.**

Existing GMO Summary

1. The existing GMO allows an annual allocation (fixed number) of residential permits per calendar year. This number is revised every two years.
 - a. 144 total permits each year (each permit equals one residential unit)
 - b. No more than 30 permits in the Rural Districts (west of the turnpike)
 - c. No more than 20% (29) of total permits in a common scheme, except no more than 30% (43) of the total in the Crossroad Planned Districts (The Downs)
2. The existing GMO also allows for exemptions including:
 - a. All Repair and Replacement Units and Gift Lots
 - b. All Affordable Housing Units
 - c. All Manufactured Housing Units in a Licensed Community
 - d. Up to (100) One-Bedroom Multi-Family Units (until 12/31/2024)
 - e. Up to 10 Workforce Housing Units Per Year
 - f. Up to (289) Mixed Use or MF in Crossroads Planned Development (until 12/31/2025)
3. Exemption process to be heard through the Town Council if the unit is within the designated growth areas, the unit is part of mixed-use or multi-family, and provides public benefit.

Figure 4 - From Town GMO Workshop

Calendar Year	Current GMO Exemptions				AREA 1 - Rural and SF Districts & Running Hill	AREA 2 - Growth Areas	AREA 3 - CPD		Townwide Total Units (plus exemptions)
	Affordable	MF	Workforce	100 One Bedroom Units	Up to 30 per year	Up to 144 per year	(SF) existing GMO	CPD (MU & MF) existing GMO	
								289	
2023	open	open	10	50	30	71	43	97	301
2024	open	open	10	50	30	71	43	97	301
2025	open	open	10		30	71	43	96	250

Considering the Growth Management Ordinance will allow for 144 single family homes, 97 mixed use and multi-family units, and allows for exemptions, some assumptions can be made about future development to help determine if alternative enrollment projections based on the impact of residential development are needed.

In thinking about future development, Autumn Speer, Scarborough's Town Planner was asked about the likely level of future residential development in Scarborough over the next five years. Based on the current level of activity, she projects single-family homes would probably fall somewhere around 70 to 80 new units per year on average but have the potential to increase, and may be higher in some years, depending on if all available permits for a three-year period are pulled at one time. In addition, the multi-family units will continue to be built in the Crossroads development, and those permits are available at 97 permits per year with 19 of those units being estimated as 3-bedroom units. With exemptions to the GMO still expected to occur, it would not be surprising to see development occur at around 190 permits issued annually.

However, there is potential for permits for the maximum of single-family homes to be pulled (144) along with all multi-family units (97), and some exemptions to the GMO could be made. This means future development could potentially be higher than 190 units estimated. For comparison purposes, an estimate of 241 units per year will be used to assess if the modeling adequately accounts for higher levels of development, or if an additional model showing these higher levels of developments is needed.

Next, the “best fit” model +COVID Adjustment will be tested to determine what level of new housing unit development is accounted for in the preschool and elementary migration trends, or if additional modeling is needed.

E. Relationship of Residential Development to School Enrollment

The in-house cohort survival does not directly incorporate the level of residential development and turnover in the existing housing stock when projecting school enrollment. Rather, the survival ratios used within cohort models reflect the historical impact of net migration (which is influenced by residential development and turnover) on school enrollment. If future residential development levels, turnover levels, or their relationship to net migration is significantly different from levels experienced in the past ten years, then cohort survival models may overstate or understate future enrollment. For school planning purposes, understanding the degree to which residential development activity will impact school enrollment is important.

1. Net Preschool Migration

To show the relationship between residential development and preschool net migration, the ratios between net preschool migration reflected in the first-grade enrollment and the number of new housing units built in Scarborough between the year of the first-grade enrollment and the six years prior. (See Table IV-8).

On average, for each of the five-year periods examined, 536 new housing units were built in Scarborough. The average net migration of preschool-aged children for each of the first-grade enrollment years was an in-migration of 59 children, for a ratio of 0.110 children per unit, or a gain of about 11 children per 100 units built.

On average, over the last five-year period of 2013-17 to 2017-21, 713 new housing units were built in Scarborough, a higher level than the 10-year average. The average net migration of preschool-aged children for each of the first-grade enrollment years was an in-migration of 56 children, for a ratio of 0.078 children per unit, or a gain of about 7 to 8 children per 100 units built, or a lower average in-migration compared to what was as seen over the 10-year period but was heavily impacted by the large number of multi-family units added.

On average, over the last three-year period of 2015-19 to 2017-21, 800 new housing units were built in Scarborough, a higher level compared with what occurred over the last five-year period. The average in-migration of preschool-aged children for each of the first-grade enrollment years was lower compared with the last five-year average, or an average in-migration of 49 children occurred, for a ratio of 0.061 children per unit, or a gain of about 6 children per 100 units built.

Since in **Section II and Section III** it was determined the COVID-19 Pandemic impacted migration trends in Scarborough, to determine the average impact on future preschool in-migration levels from projected residential development, the four-year experience in Scarborough, or a ratio of 0.072 of preschool in-migration to residential development will be used for comparison. This will help to capture what was happening in years on each side of the Pandemic.

Table IV-8

Births, First Grade Enrollments, Net Preschool Migration and New Housing Units Added in Scarborough

Birth Year	# of Births	1st Grade Class Year	1st Grade Enrollment	Net Migration	Building Years	SFH Units Added	Ratio Migr/SF HU	All New HU Added	Ratio Migr/HU
2006-07	135	10/13	199	64	2008-12	257	0.249	294	0.218
2007-08	142	10/14	212	70	2009-13	278	0.252	301	0.233
2008-09	138	10/15	209	71	2010-14	308	0.231	333	0.213
2009-10	129	10/16	173	44	2011-15	344	0.128	401	0.110
2010-11	135	10/17	199	64	2012-16	375	0.171	434	0.147
2011-12	129	10/18	187	58	2013-17	390	0.149	526	0.110
2012-13	150	10/19	223	73	2014-18	376	0.194	638	0.114
2013-14	167	10/20	221	54	2015-19	395	0.137	772	0.070
2014-15	158	10/21	195	37	2016-20	371	0.100	757	0.049
2015-16	157	10/22	213	56	2017-21	385	0.145	872	0.064
10 Yr Avg. (06/07 - 15/16)	144	10 Year Avg. (13-22)	203	59	Avg. 08-21	348	0.170	533	0.111
5 Yr Avg. (11/12 - 15/16)	152	5 Year Avg. (18-22)	208	56	Avg. 13-21	383	0.145	713	0.078
4 Yr Avg. (12/13 - 15/16)	158	4 Year Avg. (19-22)	213	55	Avg. 14-21	382	0.144	760	0.072
3 Yr Avg. (13/14 - 15/16)	161	3 Year Avg. (20-22)	210	49	Avg. 15-21	384	0.128	800	0.061

Sources: Births - Bureau of Health Statistics and Data Management, Maine Department of Health and Human Services, Bureau of Vital Records Administration. 1st Grade Enrollment - Scarborough School Department. Residential New Housing Units - Scarborough Planning Office, housing unit data was revised on 2/28/2023. Note, SFH = single-family homes, HU = housing units, Migr = Migration

To determine how many new housing units are accounted for in the 2022-23 “best fit” model +COVID Adjustment, the average ratio of preschool in-migration to housing units was applied to the average preschool in-migration projected by the 2022-23 “best fit” model +COVID Adjustment. (See Table IV-9).

Based on this analysis, the 2022-23 “best fit” model +COVID Adjustment accounts for the development of about 190 new housing units annually. Therefore, the 2022-23 “best fit” model +COVID Adjustment would adequately estimate the impact of new housing development if 190 new housing units are added annually. This level of development is reasonably consistent with what the Town Planner expected for future development and but is higher than the last five-year average of annual development. **Regardless, no adjustment to preschool migration is needed for the 2022-23 “best fit” +COVID Adjustment model to account for expected levels of new residential development.**

Looking at the difference between what the 2022-23 “best fit” +COVID Adjustment model accounts for what would potentially be the maximum estimated future development (excluding 1-bedroom units), or 241 housing units added annually, the model accounts for 51 fewer units annually. If we take the difference of 51 units and apply it to the average ratio of preschool in-migration to new units, or 0.072, we find a difference of 3.7. In other words, if new housing unit development occurs at the GMO maximum of 241 permits per year, to adequately account for the impact of those new housing units, an additional 3.7 students should be added to each future first-grade class.

Therefore, an additional projection model for Scarborough was created called the “housing impact HIGH” model which includes the addition of 3.7 students in each projected first grade class size.

Table IV 9 - Comparison of the Potential Impact of Future New Housing Development on Preschool Migration to the Best Fit Enrollment Projection Model	
	Best Fit Model + Covid Adjustment
Annual New Housing Units Added (as accounted for by the Best Fit Model)	190
Projected Housing Added Over 5-Year Period	950
Average Ratio of Preschool In-migration to New Housing Units Between 2015-2021	0.072
Potential Preschool In-migration Resulting from Projected Development Levels	68.8
Average Preschool In-migration Levels reflected in Best Fit Cohort + COVID Adjustment Survival Model	69.1
	<i>Difference - Potential Impact per First Grade Class</i>
	Max All Housing Units (Excluding 1-bedroom)
	241
	Difference between high estimate of future development and 190 housing units
	51
	Average Ratio of Preschool In-migration to New Housing Units Between 2015-2021
	0.072
	<i>Impact from additional housing units (# of additional housing units X average in-migration/per unit)</i>
	3.7
2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023	
Data produced by Wandell Consulting	

2. Net Elementary (Grades 1-6) Migration

Regarding the relationship between residential development levels and migration of students at the elementary grades (first to sixth), the ratio of annual net migration of students at each of the grade levels and annual new housing units built in Scarborough during the year was examined. (See Table IV-10).

In the ten years between 2012-13/2013-14 and 2021-22/2022-23, Scarborough experienced an average net in-migration of elementary students while migration fluctuated year-to-year between an out-migration of 12 students and an in-migration of 49 students. The average ratio of in-migration of elementary students (1-6) to new housing units was 0.188, or, on average, over the last ten years every 100 housing units built in Scarborough resulted in the in-migration of about 18 elementary-aged students.

Scarborough experienced an average in-migration of elementary students over the last five years (2017-18/2018-19 to 2021-22/2022-23), with an average in-migration ratio of 0.161. On average, over the last five years for every 100 housing units built in Scarborough an in-migration of about 16 elementary-aged students occurred.

Over the last three years (2019-20/2020-21 to 2021-22/2022-23), Scarborough experienced an average in-migration of elementary students, with an in-migration ratio of 0.134. Or, on average, over the last three years for every 100 housing units built in Scarborough an in-migration of about 13 elementary-aged students occurred, a lower level of migration compared with most recent five-year average.

However, as established previously since the last three to five years of migration trends have been impacted by the COVID-19 Pandemic, looking at the data without the 2019-20/2020-21 out-migration makes sense to get a better idea of what has been happening. Therefore, the average of trends for 2018-19/2019-20, 2020-21/2021-22, 2021-22/2022-23 will be used for comparison purposes. During the years, Scarborough experienced an average in-migration of 42 elementary students, with an in-migration ratio of 0.249. Or, on average, over the last three years for every 100 housing units built in Scarborough an in-migration of about 25 elementary-aged students occurred if we discount the COVID-19 migration year of 2019-20/2020-21.

Table IV-10
Net Elementary (1-6) Migration and New Home Development - Scarborough

Enrollment Years	Net Migration	Permit Year	Single Family Homes	Ratio Migr/Perm	All New Housing Units (Excl 1-bd)	Ratio Migr/Perm
2012-13 to 2013-14	31	2012	61	0.508	70	0.443
2013-14 to 2014-15	14	2013	75	0.187	77	0.182
2014-15 to 2015-16	-11	2014	68	-0.162	70	-0.157
2015-16 to 2016-17	49	2015	91	0.538	129	0.380
2016-17 to 2017-18	22	2016	80	0.275	88	0.250
2017-18 to 2018-19	26	2017	76	0.342	162	0.160
2018-19 to 2019-20	44	2018	61	0.721	189	0.233
2019-20 to 2020-21	-12	2019	87	-0.138	204	-0.059
2020-21 to 2021-22	34	2020	67	0.507	114	0.298
2021-22 to 2022-23	48	2021	94	0.511	203	0.236
10 yr Avg (11/12 - 20/21)	25	10 yr Avg (11-20)	76	0.322	131	0.188
5 yr Avg (16/17 - 20/21)	28	5 yr Avg (16-20)	77	0.364	174	0.161
3 yr Avg (18/19 - 20/21)	23	3 yr Avg (18-20)	83	0.282	174	0.134
Avg (18/19, 20/21, 21/22)	42	Avg (18, 20, 21)	74	0.568	169	0.249

Sources: Net Migration - Calculated based on October 1st Resident Enrollment data from MDOE. **Residential New Housing Units:** 2012-2021 from the Town of Scarborough, updated on 2/28/2023

To determine how many housing units are accounted for in the 2022-23 “best fit” +COVID Adjustment model, the average ratio of elementary in-migration to housing units was applied to the average elementary in-migration projected by the 2022-23 “best fit” model +COVID Adjustment. (See Table IV-11). Based on this analysis, the 2022-23 “best fit” model +COVID Adjustment accounts for the development of **142 new housing units added annually**, or 48 fewer units than estimated housing of 190 units, and 99 fewer units if the high level of single family home development occurs or 241 units.

Table IV-11 - Comparison of the Potential Impact of Future New Housing Unit Development on Elementary In-Migration (Grades First through Sixth) to the “Best Fit” Enrollment Projections for Scarborough	
	Housing Units Accounted for the 2022-23 Best Fit Model + COVID Impact
New Housing Units Added	142
Average Ratio of In-migration to New Housing Unit Added in 2018, 2020, 2021	0.249
Potential Annual In-grade In-migration Resulting from Projected Residential Development	35.4
Average Annual In-migration Levels for Grades 1-6 reflected in the 2022-23 “best fit” +COVID Adjustment model	35.5
Difference - Potential Impact	-0.2
<i>Difference per grade in grades 1 to 6</i>	<i>0.0</i>
Source: Calculated by Wandell Consulting	

Since the housing study found that new housing is impacting more than just elementary migration in Scarborough, to determine the impact of housing unit development on enrollment, the ratios from Tables IV-4 and IV-7 will be used to assess the full impact on enrollment, recapped here in Table IV-12.

Table IV-12 - Assessment of Additional Housing on Enrollment per Unit by Type of Development - Scarborough					
Type of Development	Enrollment per Unit				
	Primary (K-2)	Intermediate (3-5)	Middle (6-8)	High (9-12)	Total (K-12)
Single Family Impact	0.18	0.18	0.17	0.26	0.77
Multi-Family: Projects with 1, 2, 3-bedroom units Impact	0.10	0.09	0.08	0.13	0.40
<i>(2 + 3-bedroom impact combined)</i>					
<i>2-bedroom unit impact ratio (students/unit)</i>	<i>0.06</i>	<i>0.06</i>	<i>0.04</i>	<i>0.08</i>	<i>0.25</i>
<i>3-bedroom unit impact ratio (students/unit)</i>	<i>0.19</i>	<i>0.17</i>	<i>0.19</i>	<i>0.25</i>	<i>0.80</i>
Source: 1-bedroom units are discounted from the enrollment impact study. Calculated by Wandell Consulting					

Potential Housing Scenario 1:

Next, some assumptions were made about the break-down of future units added. Out of the 190 units estimated to be added in the future,

- 80 were assumed to be single-family homes
- 97 are multi-family units allowed under the Growth Management Ordinance
 - 19 being 3-bedroom units
 - 78 being 2-bedroom units
- then another 13 units are from exempt projects, estimated to be all 2-bedroom units

NOTE: These 13 units could conceivably be single-family homes as there would still be potential for 48 additional single-family permits to be pulled, or exempt projects could conceivably consist of a combination of 1, 2 and 3-bedroom units. For the purpose of assessing potential impact, the assumption will be that these are all 2-bedroom units.

Scenario 1: Using these assumptions and knowing that the 2022-23 “best fit” model +COVID Adjustment already accounts for around 142 units, only 48 units would have an addition impact on enrollment. What type of units these 48 would be was then estimated and rounded based on some assumptions:

- 70 are single-family homes, leaving 10 single-family homes remaining
- 72 are multi-family – leaving 25 multi-family units remaining
- no exempt units – leaving 13 units remaining

Next, the impact of the 48 additional units can be calculated based on the ratio of impact by type of unit. See **Table IV-13**. The impact is 19.9 additional students should be added for grades K-12 broken down by the following:

- K-2 = addition of 4.9 students, or 1.6 students per grade
- 3-5 = addition of 4.6 students, or 1.5 students per grade
- 6-8 = addition of 4.1 students, or 1.4 students per grade
- 9-12 = addition of 6.5 students, or 1.6 students per grade

These additional students were added to the 2022-23 “best fit” model +COVID Adjustment to create a new model called the 2022-23 “housing impact” model.

Table IV-13									
Scenario 1 - Estimated Future Development									
Total Units	190	142	48	Primary	Intermediate	Middle	High	Total	
Single Family Homes - Average Expected	80	70	10	1.8	1.8	1.7	2.6	7.7	
Multi Family Housing: Exempt	13	0	13	0.8	0.8	0.6	1.1	3.3	
<i>2-bedroom unit impact ratio (students/unit)</i>	13	0	13	0.8	0.8	0.6	1.1	3.3	
<i>3-bedroom unit impact ratio (students/unit)</i>	0	0	0	0.0	0.0	0.0	0.0	0.0	
Multi Family Housing: GMO	97	72	25	2.3	2.0	1.8	2.9	9.0	
<i>2-bedroom unit impact ratio (students/unit)</i>	78	58	20	1.3	1.2	0.9	1.6	5.0	
<i>3-bedroom unit impact ratio (students/unit)</i>	19	14	5	1.0	0.8	1.0	1.2	4.0	
Total Impact:				4.9	4.6	4.1	6.5	19.9	
Impact of Estimated Future Growth - Added to the Housing Impact High Model									
				<i>Per Grade</i>	1.6	1.5	1.4	1.6	

Potential Housing Scenario 2:

Under this scenario all single-family home permits are pulled, and no exempt housing (or housing which would impact enrollment) is issued permits. Again, using these assumptions and knowing that the 2022-23 “best fit” model +COVID Adjustment already accounts for around 142 units, when looking at the high development of 241 units, only 99 units of the 241 units would have an additional impact on enrollment.

Since the assumption is more single-family home permits are pulled, 74 of the 99 remaining units would be single-family homes with the remaining being multi-family units. While this scenario is unlikely to occur based on the estimate of future development provided by the Planning Office, it should provide the school district with some guidance on what enrollment could potentially look like if development changes to higher single-family home development, or considering that 3-bedroom multi-family units now impact school enrollment at the same rate as single-family homes, this model could also serve as example of what could happen if multi-family development with a large number of 3-bedroom units.

Scenario 2 includes the impact of 99 additional units, consisting of:

- 74 additional single-family homes
- 25 multi-family (2-bedroom unit assumption made)

Next, the impact of the 99 additional units can be calculated based on the ratio of impact by type of unit. **See Table IV-14.**

- K-2 = addition of 14.9 students, or 5.0 students per grade
- 3-5 = addition of 14.8 students, or 4.9 students per grade
- 6-8 = addition of 13.3 students, or 4.4 students per grade
- 9-12 = addition of 20.9 students, or 5.2 students per grade

These additional students were added to the 2022-23 “best fit” model +COVID Adjustment to create a new model called the 2022-23 “housing impact HIGH” model.

Table IV-14									
Scenario 2 - High Development (Maxed Single-Family)									
	Total Units	241	142	99	Primary	Intermediate	Middle	High	Total
Single-Family Homes - High	144	70	74	13.3	13.3	12.2	18.9	56.8	
Multi-Family Housing: All Projects Analyzed	97	72	25	1.6	1.5	1.1	2.1	6.3	
<i>2-bedroom unit impact ratio (students/unit)</i>	<i>78</i>	<i>53</i>	<i>25</i>	<i>1.6</i>	<i>1.5</i>	<i>1.1</i>	<i>2.1</i>	<i>6.3</i>	
<i>3-bedroom unit impact ratio (students/unit)</i>	<i>19</i>	<i>19</i>	<i>0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	
Total Impact	14.9	14.8	13.3	20.9	63.0				
Impact of Higher Growth - Added to the Housing Impact High Model									
Additional Enrollment Added Per Grade	5.0	4.9	4.4	5.2	4.8				

Additionally, since this scenario is above and beyond what has been happening most recently, the impact should be phased in over time and then reduced as the overall impact is brought forward through the trends in the projections. See Table IV-15 for the breakdown of how students were added to each grade, by grade group.

Table IV-15 - Impact should be Phased in Over Time and Reduced as Impact will become Part of Trends 2022-23 "Housing Impact HIGH" Model						
Percentage	School Year	Primary (K-2)	Intermediate (3-5)	Middle (6-8)	High (9-12)	Total (K-12)
40%	2023-23	2.0	2.0	1.8	2.1	1.9
60%	2024-25	3.0	3.0	2.7	3.1	2.9
80%	2025-26	4.0	3.9	3.6	4.2	3.9
100%	2026-27	5.0	4.9	4.4	5.2	4.8
100%	2027-28	5.0	4.9	4.4	5.2	4.8
100%	2028-29	5.0	4.9	4.4	5.2	4.8
80%	2029-30	4.0	3.9	3.6	4.2	3.9
60%	2030-31	3.0	3.0	2.7	3.1	2.9
40%	2031-32	2.0	2.0	1.8	2.1	1.9
20%	2032-33	1.0	1.0	0.9	1.0	1.0

F. Impact of Potential Exempt Development

In the event there is a large scale exempted multi-family project, the impact can be assessed using the table below. Since there is no concrete project in the works, these additional students were not added to any of the projection models. However, if a project does come into play, the impact can be estimated based on the nature of the project and the ratios that most closely fit the project being proposed. **Table IV-16** uses an example of a 50-unit multi-family development to show potential outcomes depending on the development type.

Table IV-16					
Estimated Impact of Future Development - Scarborough					
Possible Scenarios	Enrollment per Unit				
	Primary (K-2)	Intermediate (3-5)	Middle (6-8)	High (9-12)	Total K-12
Scenario 1: All 8 Projects Analyzed	0.08	0.08	0.07	0.11	0.34
Scenario 2: Projects with 1, 2, and 3-bedroom units	0.10	0.09	0.08	0.13	0.40
Scenario 3: Projects with 1 and 2-bedroom units	0.03	0.06	0.02	0.05	0.16
Impact from Scenario 1					
Total All Units (50 Units)	4.1	4.0	3.4	5.4	16.8
<i>Additional students per grade</i>	<i>1.4</i>	<i>1.3</i>	<i>1.1</i>	<i>1.3</i>	
Impact from Scenario 2					
Total All Units (50 Units)	4.9	4.4	4.2	6.3	19.9
<i>Additional students per grade</i>	<i>1.6</i>	<i>1.5</i>	<i>1.4</i>	<i>1.6</i>	
Impact from Scenario 3					
Total All Units (50 Units)	1.6	2.8	0.9	2.5	7.8
<i>Additional students per grade</i>	<i>0.5</i>	<i>0.9</i>	<i>0.3</i>	<i>0.6</i>	
Source: Calculated by Wandell Consulting					

V. RESIDENT AND ATTENDING ENROLLMENT TRENDS

The resident figures include all resident students attending Scarborough schools, and resident students attending school outside of the district except for 100% home schooled students and any students attending private schools. The projections are also provided in ranges of plus and minus 3% and 10% for grades K-8, and 3% and 5% for grades 9-12. (See Tables V-1 through V-5 and Figures 1 through 5).

A. Resident and Attending Enrollment Trends and Projections for Grades K-2

Historical Trends:

Since 2012-13, resident attending enrollment in grades K-2 ranged between 617 and 628 students through 2014-15. Following 2014-15 enrollment declined to reach a low enrollment of 566 in 2017-18 before increasing to range between 606 and 649 students through 2022-23.

- Enrollment of Scarborough students attending out of district schools ranged between 1 and 11 students through 2022-23.
- Enrollment of non-resident students attending district schools ranged between zero and 2 students through 2022-23.

2022-23 Best Fit Model:

K-2 resident attending enrollment would remain similar to the current enrollment of 639 students to range between 629 and 644 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 777 students by 2029-30, before declining to 735 students by 2032-33.

- Another 7 to 9 Scarborough resident students in grades K-2 are projected to attend non-district schools each year through 2032-33.
- Approximately 1 or 2 nonresident students are projected to attend K-2 in Scarborough each year through 2032-33.

2022-23 Best Fit Model +COVID Adjustment:

K-2 resident attending enrollment would remain similar to the current enrollment of 639 students, ranging between 634 and 656 students through 2025-26. Following 2025-26, enrollment is projected to increase, reaching 779 students by 2032-33.

2022-23 Housing Impact Model:

K-2 resident attending enrollment would remain similar to the current enrollment of 639 students to range between 639 and 662 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 785 students by 2032-33.

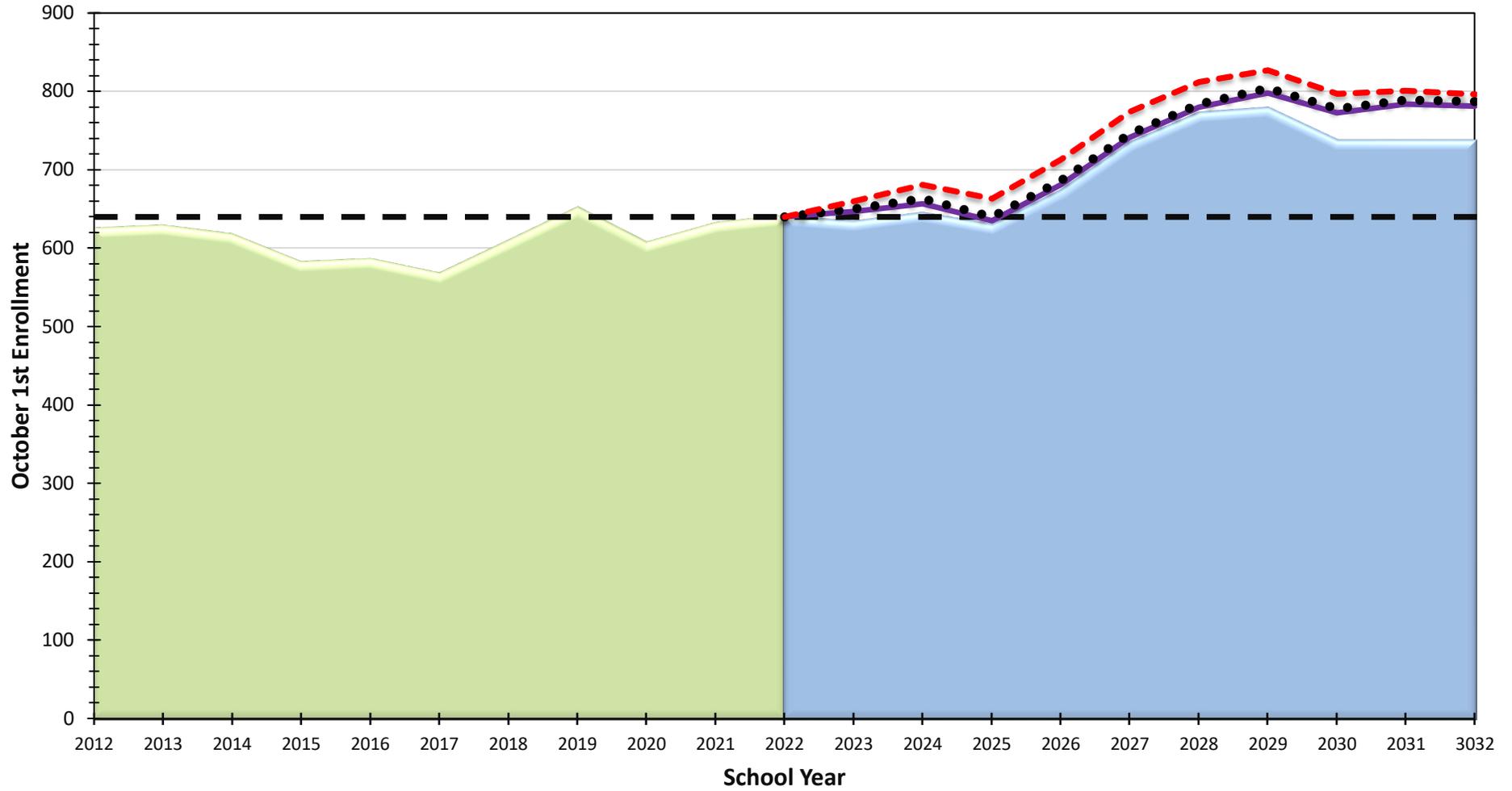
2022-23 Housing Impact HIGH Model:

K-2 resident attending enrollment would increase from the current enrollment of 639 students to range between 659 and 680 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 825 students by 2029-30, then should level off at 794 to 799 students by 2032-33.

Table V-1				
K-2 Enrollment by Model - Scarborough - Attending Resident Enrollment				
School Year	Resident Students Attending District Schools			
	Best Fit Model	Best Fit +COVID Adjustment	Housing Impact	Housing Impact HIGH
2022-23*	639			
Projected				
2023-24	633	646	649	659
2024-25	644	656	662	680
2025-26	629	634	639	662
2026-27	672	679	684	711
2027-28	733	739	744	772
2028-29	771	778	782	810
2029-30	777	796	802	825
2030-31	735	771	776	795
2031-32	735	782	787	799
2032-33	735	779	785	794
Projected 10-Year Average (2023-24 to 2032-33)	706	726	731	751

Figure 5

K-2 Attending Enrollment Scarborough & Non-Resident Students (2012-13 to 2032-33)



- Historical Enrollment
- Current Enrollment
- 2022-23 Housing Impact Model
- 2022-23 Best Fit Model
- 2022-23 Best Fit Model + COVID Adjustment
- 2022-23 Housing Impact High Model Model

B. Resident and Attending Enrollment Trends and Projections for Grades 3-5

Historical Trends:

Since 2012-13, resident attending enrollment in grades 3-5 declined from 742 students in 2013 to reach 639 students by 2015-16. Following 2015-16, enrollment increased slightly to range between 660 and 675 students through 2018-19 before declining to 611 students in 2020-21. Following 2020-21, enrollment increased to 675 students in 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between 1 and 9 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between 0 and 3 students through 2022-23.*

2022-23 Best Fit Model:

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 682 and 699 students through 2028-29. Following 2028-29, enrollment is expected to increase further, to reach 844 students by 2032-33.

- *Another 6 to 8 Scarborough resident students in grades 3-5 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 1 or 2 nonresident students are projected to attend grades 3-5 in Scarborough each year through 2032-33.*

2022-23 Best Fit Model +COVID Adjustment:

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 684 and 715 students through 2028-29. Following 2028-29, enrollment is expected to increase further, to reach 868 students by 2032-33.

2022-23 Housing Impact Model:

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 688 and 760 students through 2029-30. Following 2029-30, enrollment is expected to increase further, to reach 888 students by 2032-33.

2022-23 Housing Impact HIGH Model:

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to reach 914 students by 2032-33.

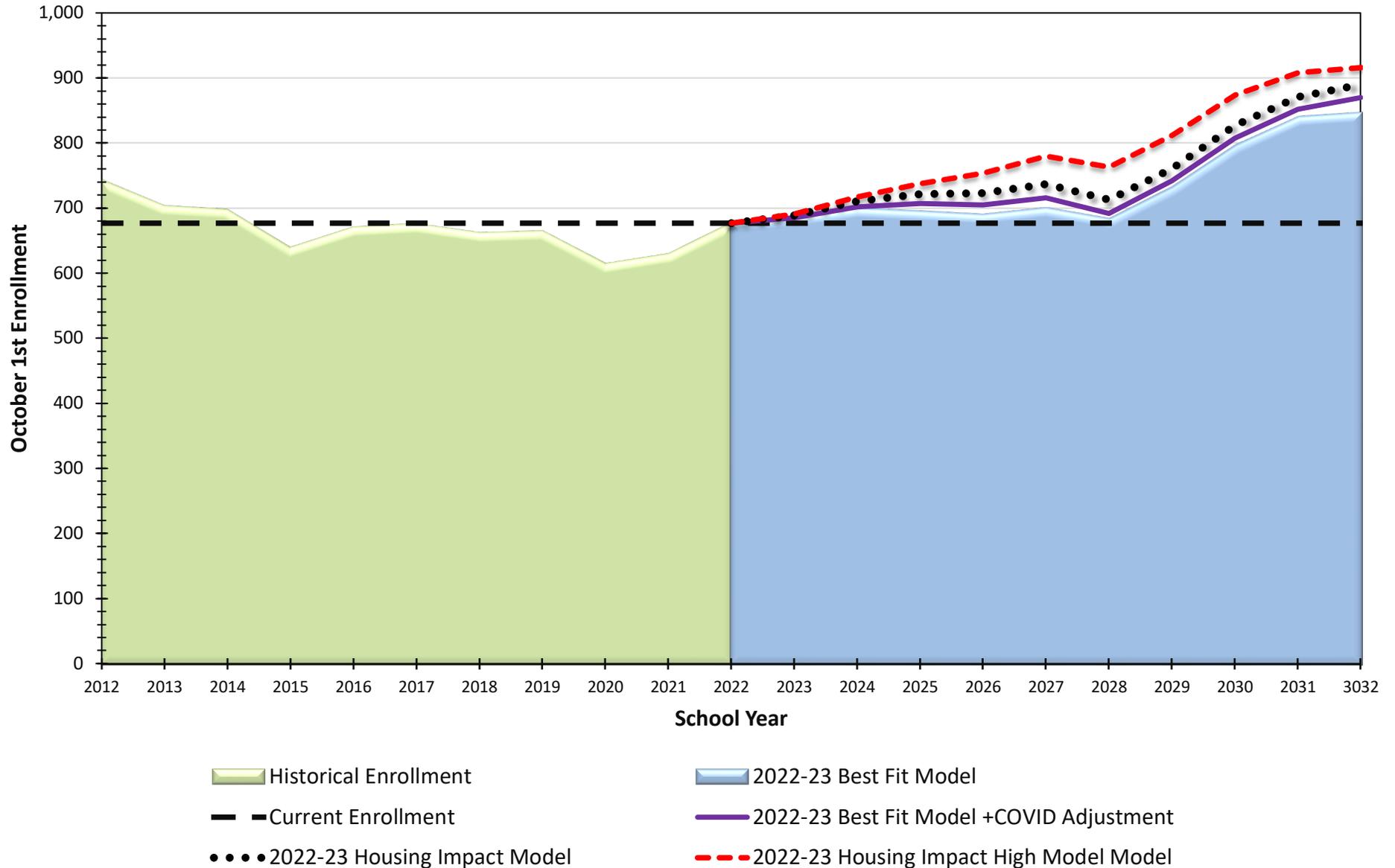
Table V-2

3-5 Enrollment by Model - Scarborough - Attending Resident Enrollment

School Year	Projection Model			
	Best Fit Model	Best Fit +COVID Adjustment	Housing Impact	Housing Impact HIGH
2022-23*	675			
Projected				
2023-24	684	684	688	690
2024-25	698	701	710	716
2025-26	694	706	721	737
2026-27	689	704	722	753
2027-28	699	715	736	779
2028-29	682	691	712	762
2029-30	731	741	760	811
2030-31	795	807	826	873
2031-32	838	850	869	906
2032-33	844	868	888	914
Projected 10-Year Average (2023-24 to 2032-33)	735	747	763	794

Figure 6

3-5 Attending Enrollment Scarborough & Non-Resident Students (2012-13 to 2032-33)



C. Resident and Attending Enrollment Trends and Projections for Grades 6-8

Historical Trends:

Since 2012-13, resident attending enrollment in grades 6-8 declined from 805 students to 673 students in 2018-19. Following 2018-19 enrollment ranged between 694 and 709 students through 2021-22 before declining to 669 students by 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between zero and 10 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between zero and 2 students through 2022-23.*

2022-23 Best Fit Model:

Under the 2022-23 “best fit” model, 6-8 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 669 students to range between 646 and 668 students through 2024-25 before increasing to range between 704 and 728 students through 2031-32. By 2032-33, enrollment expected to reach a projected high enrollment of 761 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8th grade class moves on to the high school.

- *Another 9 to 11 Scarborough resident students in grades 6-8 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 1 or 2 nonresident student is projected to attend grades 6-8 in Scarborough each year through 2032-33.*

2022-23 Best Fit Model +COVID Adjustment:

Grades 6-8 resident attending enrollment will decline from the current enrollment of 669 students to range between 646 and 668 students through 2024-25 before increasing to reach a projected high enrollment of 772 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8th grade class moves on to the high school.

2022-23 Housing Impact Model:

Grades 6-8 resident attending enrollment will be similar to the current enrollment of 669 students to range between 651 and 676 students through 2024-25 before increasing to range between 717 and 778 students through 2031-32. By 2032-33, enrollment expected to reach a projected high enrollment of 805 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8th grade class moves on to the high school.

2022-23 Housing Impact HIGH Model:

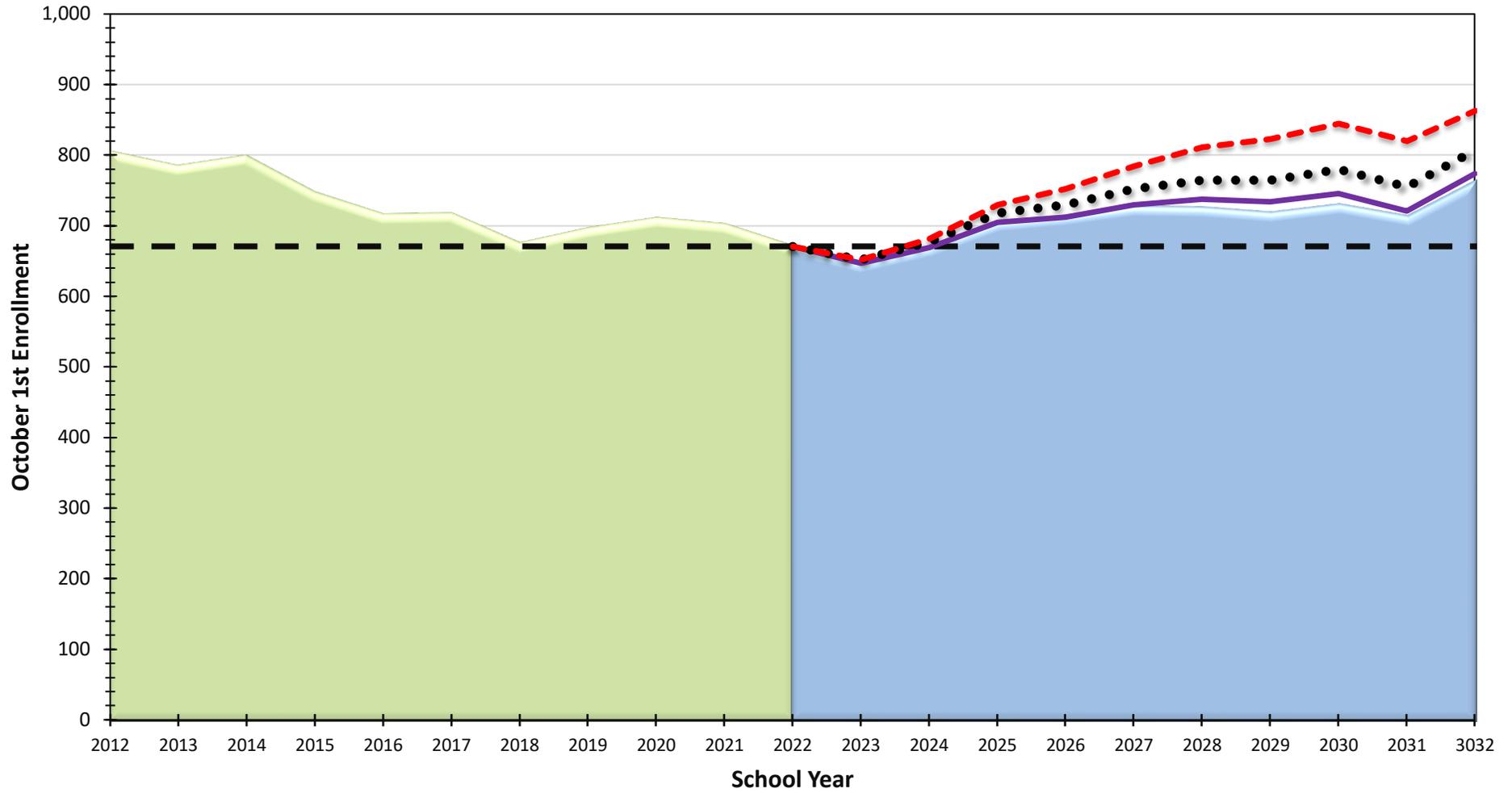
Grades 6-8 resident attending enrollment will be similar to the current enrollment of 669 students to range between 651 and 681 students through 2024-25 before increasing to reach 861 students by 2032-33.

**Table V-3
6-8 Enrollment by Model - Scarborough - Attending Resident Enrollment**

School Year	Projection Model			
	Best Fit Model	Best Fit +COVID Adjustment	Housing Impact	Housing Impact HIGH
2022-23*	669			
Projected				
2023-24	646	646	651	651
2024-25	668	668	676	681
2025-26	704	704	717	729
2026-27	713	711	729	751
2027-28	726	729	751	783
2028-29	724	737	764	810
2029-30	717	733	764	822
2030-31	728	744	778	843
2031-32	712	720	754	819
2032-33	761	772	805	861
Projected 10-Year Average (2023-24 to 2032-33)	710	716	739	775

Figure 7

6-8 Attending Enrollment Scarborough & Non-Resident Students (2012-13 to 2032-33)



- Historical Enrollment
- Current Enrollment
- 2022-23 Housing Impact Model
- 2022-23 Best Fit Model
- 2022-23 Best Fit Model + COVID Adjustment
- 2022-23 Housing Impact High Model

D. Resident and Attending Enrollment Trends and Projections for Grades 9-12

Historical Trends:

Since 2012-13, resident attending enrollment in grades 9-12 fluctuated year-to-year ranging between 975 from 1,053 students through 2019-20. Following 2019-20, enrollment declined to reach 908 students in 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between 10 and 46 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between zero and 4 students through 2022-23.*

2022-23 Best Fit Model:

Under the 2022-23 “best fit” model, 9-12 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 908 students to reach 833 students by 2027-28, before starting to increase to reach 937 students in 2031-32 and 903 students in 2032-33.

- *Another 38 to 43 Scarborough resident students in grades 9-12 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 2 nonresident students are projected to attend grades 9-12 in Scarborough each year through 2032-33.*

2022-23 Best Fit Model +COVID Adjustment:

Grades 9-12 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 908 students to 870 students by 2027-28, before starting to increase to reach 989 students in 2031-32 and 958 students by 2032-33.

2022-23 Housing Impact Model:

Grades 9-12 resident attending enrollment increase from the current enrollment of 909 students to range between 912 and 933 students through 2026-27. In 2027-28 enrollment will decline to 900 students before increasing again to reach 1,045 students in 2031-32 and 1,019 students in 2032-33.

2022-23 Housing Impact HIGH Model:

Grades 9-12 resident attending enrollment will fluctuate year-to-year, increasing from the current enrollment of 908 students to range between 926 and 950 students through 2027-28. Following 2027-28, enrollment will increase further to range between 1,015 and 1,122 students through 2032-33.

Table V-4

9-12 Enrollment by Model - Scarborough - Attending Resident Enrollment

School Year	Projection Model			
	Best Fit Model	Best Fit +COVID Adjustment	Housing Impact	Housing Impact HIGH
2022-23*	908			
Projected				
2023-24	909	920	927	929
2024-25	884	905	918	926
2025-26	883	914	933	950
2026-27	850	888	912	944
2027-28	833	870	900	945
2028-29	881	919	955	1,015
2029-30	891	929	971	1,038
2030-31	910	952	1,001	1,074
2031-32	937	989	1,045	1,122
2032-33	903	958	1,019	1,098
Projected 10-Year Average (2023-24 to 2032-33)	888	924	958	1,004

Figure 8

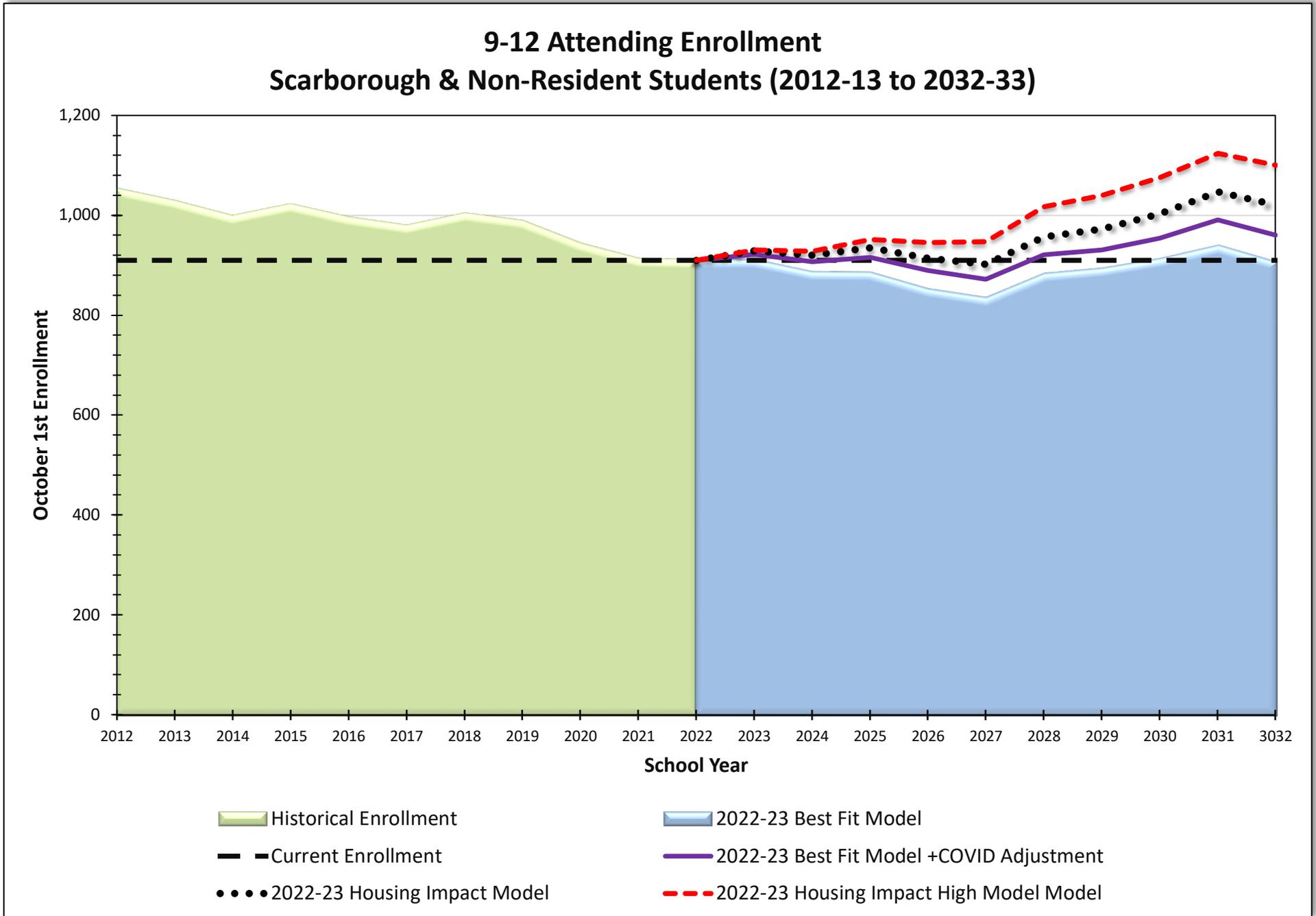


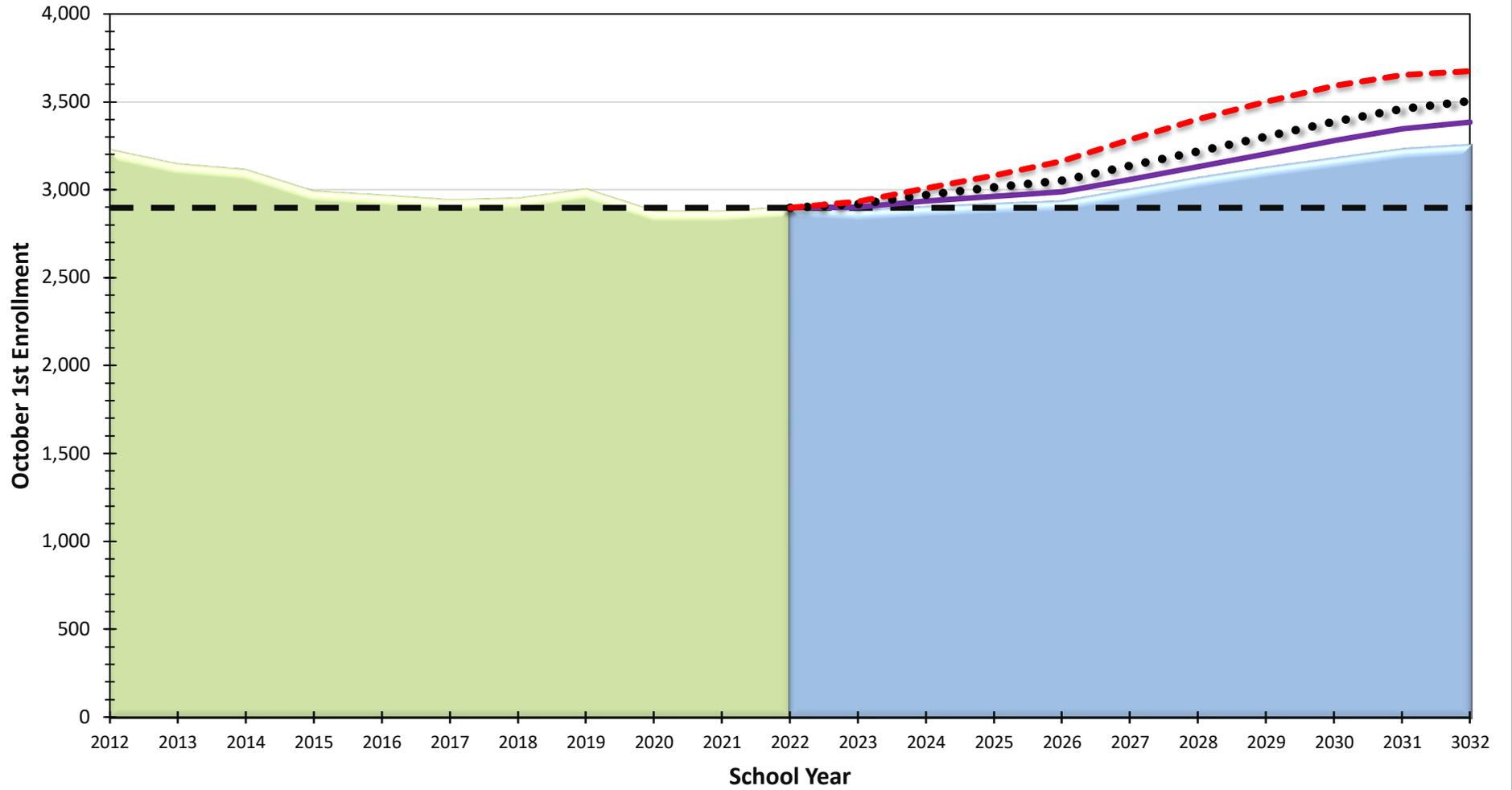
Table V-5

K-12 Enrollment by Model - Scarborough - Attending Resident Enrollment

School Year	Projection Model			
	Best Fit Model	Best Fit +COVID Adjustment	Housing Impact	Housing Impact HIGH
2022-23*	2,891			
Projected				
2023-24	2,872	2,896	2,915	2,929
2024-25	2,894	2,930	2,966	3,003
2025-26	2,910	2,958	3,010	3,078
2026-27	2,924	2,982	3,047	3,159
2027-28	2,991	3,053	3,131	3,279
2028-29	3,058	3,125	3,213	3,397
2029-30	3,116	3,199	3,297	3,496
2030-31	3,168	3,274	3,381	3,585
2031-32	3,222	3,341	3,455	3,646
2032-33	3,243	3,377	3,497	3,667
Projected 10-Year Average (2023-24 to 2032-33)	3,040	3,114	3,191	3,324

Figure 9

K-12 Attending Enrollment Scarborough & Non-Resident Students (2012-13 to 2032-33)



- Historical Enrollment
- Current Enrollment
- 2022-23 Housing Impact Model
- 2022-23 Best Fit Model
- 2022-23 Best Fit Model + COVID Adjustment
- 2022-23 Housing Impact High Model Model

VI. SUMMARY OF ENROLLMENT PROJECTIONS FOR SCHOOL PLANNING PURPOSES

Outside forces such as changes in the economy, housing prices and/or new housing starts, Civilian Labor Force changes, or unexpected national, state or local events can have an impact on enrollment trends which could in turn alter the outlook of enrollment in Scarborough. Future enrollment should routinely be monitored for potential changes in trends, specifically looking to see if future enrollment deviates significantly from what is projected. In addition, the district should continue to routinely monitor births to residents especially since there has been a recent increase in resident births. Other trends such as preschool migration, grade-to-grade migration trends, and local housing development trends should also be closely watch for any notable changes.

Since new housing unit development has picked up in Scarborough, and some change may be coming for the Growth Management Ordinance the district should keep an eye on future growth for change in grade-to-grade migration trends. To account for the potential changes in trends from large-scale developments, it would be prudent for the district to look at the “best fit” +COVID impact and the “housing impact” enrollment projections using the higher ranges or +3% and +10% as a guide for facilities planning.

To provide reasonable cushions for use in planning school facilities, the enrollment projections by grade group and presented the projections within ranges of plus and minus 10% for the K-8 grade groups, and plus and minus 5% for grades 9-12. In addition, more conservative ranges of 3% across all grade levels are supplied. These ranges should provide the school district with some idea of what future enrollment would look like under different scenarios. The report **Appendix** contains grade by grade historical and projected enrollment.

APPENDIX A

GRADE BY GRADE HISTORICAL & PROJECTED ENROLLMENT

Appendix Table 1

Entering Class to Births Ratio Worksheet - Scarborough Resident Students Attending - 2022-23 Best Fit Model

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
2006-07	135	10/12	202	10/13	199	1.474	0.985		64
2007-08	142	10/13	204	10/14	212	1.493	1.039		70
2008-09	138	10/14	207	10/15	209	1.514	1.010		71
2009-10	129	10/15	156	10/16	173	1.341	1.109		44
2010-11	135	10/16	193	10/17	199	1.474	1.031		64
2011-12	129	10/17	186	10/18	187	1.450	1.005		58
2012-13	150	10/18	209	10/19	223	1.487	1.067		73
2013-14	167	10/19	238	10/20	221	1.323	0.929		54
2014-15	158	10/20	179	10/21	195	1.234	1.089		37
2015-16	157	10/21	199	10/22	213	1.357	1.070		56
2016-17	138	10/22	218	10/23		1.626	1.029	224	86
2017-18	142	10/23		10/24		1.381		196	54
2018-19	162	10/24		10/25		1.381		224	62
2019-20	151	10/25		10/26		1.381		209	58
2020-21	174	10/26		10/27		1.381		240	66
2021-22*	207	10/27		10/28		1.381		286	79
2022-23 est	177	10/28		10/29		1.381		245	68
2023-24 est	177	10/29		10/30		1.381		245	68
2024-25 est	177	10/30		10/31		1.381		245	68
2025-26 est	177	10/31		10/32		1.381		245	68
10yr Total (07-16)	1,440	10yr Total (12-21)	1,973	10yr Total (13-22)	2,031	1.410	1.029	Last 10yr	59.1
10yr Avg (07-16)	144	10yr Avg (12-21)	197	10yr Avg (13-22)	203	1.415	1.029	Last 5yr	55.6
5yr Avg (18-22)	167							Last 3yr	49.0
5yr Max (18-22)	207							Proj.	67.5
5yr Min (18-22)	142								
3yr Avg (20-22)	177								
2yr Avg (21-22)	191								

First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients	
10 YEAR	0.676	10 YEAR	0.885
9 YEAR	0.677	9 YEAR	0.898
8 YEAR	0.708	8 YEAR	0.898
7 YEAR	0.764	7 YEAR	0.896
6 YEAR	0.668	6 YEAR	0.811
5 YEAR	0.648	5 YEAR	0.804
4 YEAR	-0.030	4 YEAR	0.821
3 YEAR	0.673	3 YEAR	0.920

Ratios	1st/Birth	1st/K
Avg last 10	1.415	1.033
Avg last 9	1.408	1.039
Avg last 8	1.398	1.039
Avg last 7	1.381	1.043
Avg last 6	1.388	1.032
Avg last 5	1.370	1.032
Avg last 4	1.350	1.039
Avg last 3	1.305	1.029
10yr Weighted	1.384	1.038
5yr Weighted	1.341	1.042
3yr Weighted	1.310	1.053

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year average of births (2019-20 to 2021-22) *2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year ratio of first grade to Kindergarten.

**Table II-1 - Relationship of Entering First Grade Class Size to Resident Births
Scarborough - Resident Attending Enrollment**

Birth Year (Oct. 15 - Oct. 14)	# of Resident Births	First Grade Year	Best Fit Model			# of Resident Births	Model			Housing Impact Model			Housing Impact High Model		
			Count	1st/Birth	+/-%		Count	1st/Birth	+/-%	Count	1st/Birth	+/-%	Count	1st/Birth	+/-%
2006-07	135	2013-14	199	1.474	47.4%	135									
2007-08	142	2014-15	212	1.493	49.3%	142									
2008-09	138	2015-16	209	1.514	51.4%	138									
2009-10	129	2016-17	173	1.341	34.1%	129									
2010-11	135	2017-18	199	1.474	47.4%	135									
2011-12	129	2018-19	187	1.450	45.0%	129									
2012-13	150	2019-20	223	1.487	48.7%	150									
2013-14	167	2020-21	221	1.323	32.3%	167									
2014-15	158	2021-22	195	1.234	23.4%	158									
2015-16	157	2022-23*	213	1.357	35.7%	157									
2016-17	138	2023-24	224	1.623	62.3%	138	230	1.667	66.7%	231	1.674	67.4%	235	1.703	70.3%
2017-18	142	2024-25	196	1.380	38.0%	142	196	1.380	38.0%	198	1.394	39.4%	203	1.430	43.0%
2018-19	162	2025-26	224	1.383	38.3%	162	224	1.383	38.3%	225	1.389	38.9%	231	1.426	42.6%
2019-20	151	2026-27	209	1.384	38.4%	151	209	1.384	38.4%	210	1.391	39.1%	217	1.437	43.7%
2020-21	174	2027-28	240	1.379	37.9%	174	240	1.379	37.9%	242	1.391	39.1%	249	1.431	43.1%
2021-22*	207	2028-29	286	1.382	38.2%	207	286	1.382	38.2%	287	1.386	38.6%	295	1.425	42.5%
2022-23 est	177	2029-30	245	1.382	38.2%	177	245	1.382	38.2%	247	1.393	39.3%	253	1.427	42.7%
2023-24 est	177	2030-31	245	1.382	38.2%	186	257	1.449	44.9%	259	1.392	39.2%	264	1.419	41.9%
2024-25 est	177	2031-32	245	1.382	38.2%	190	263	1.483	48.3%	264	1.388	38.8%	268	1.409	40.9%
2025-26 est	177	2032-33	245	1.382	38.2%	185	255	1.438	43.8%	256	1.387	38.7%	259	1.404	40.4%
10-Yr Avg. (2006-07 to 2015-16)	144	10-Yr Avg. (2013-14 to 2022-23)	203	1.415	41.5%										
5-Yr Avg. (2006-07 to 2010-11)	136	First 5-Yr Avg. (2013-14 to 2017-18)	198	1.459	45.9%										
5-Yr Avg. Births (2011-12 to 2015-16)	152	Most Recent 5-Yr Avg. (2018-19 to 2022-23)	208	1.370	37.0%										
3-Yr Avg. (2013-14 to 2015-16)	161	Most Recent 3-Yr Avg. (2020-21 to 2022-23)	210	1.305	30.5%										
Most Recent 5-Yr Avg. (2017-18 to 2021-22)	167	Projected 10-Yr Avg. (2023-24 to 2032-33)	236	1.406	40.6%		241	1.433	43.3%	242	1.419	41.9%	247	1.451	45.1%
Most Recent 3-Yr Avg. (2019-20 to 2021-22)	177														

Births: Maine Center for Disease Control and Prevention, Data, Research and Vital Statistics. 2022 births are preliminary and provisional; *Future births for the "best fit" model were based on the 3-year average of births between 2019-20 and 2021-22. All other models births were based on the on 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... **Note:** Enrollment includes resident students attending district schools. First to birth ratios shown here are based on the rounded first grade projection from the Entering Class to Births Ratio Worksheet. **Source:** 2013-2022 enrollment data from the district. All else calculated by Wandell Consulting.

Appendix Table 2

Enrollment Trends & Projections - Scarborough Attending Resident and Non-Resident Enrollment - 2022-23 Best Fit Model

School Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																			
2012-13	202	206	216	241	240	261	286	243	276	253	242	278	280	624	742	805	2,171	1,053	3,224
2013-14	204	199	225	211	252	240	267	282	234	255	249	241	283	628	703	783	2,114	1,028	3,142
2014-15	207	212	198	223	223	250	247	263	289	226	258	260	254	617	696	799	2,112	998	3,110
2015-16	156	209	216	199	222	218	240	244	262	263	228	259	271	581	639	746	1,966	1,021	2,987
2016-17	193	173	219	238	206	226	224	247	244	249	261	227	257	585	670	715	1,970	994	2,964
2017-18	186	199	181	231	238	206	228	238	251	230	250	257	238	566	675	717	1,958	975	2,933
2018-19	209	187	212	188	237	235	209	228	236	247	238	250	266	608	660	673	1,941	1,001	2,942
2019-20	238	223	188	218	203	242	252	213	229	237	251	243	256	649	663	694	2,006	987	2,993
2020-21	179	221	206	195	207	209	245	253	211	214	228	253	246	606	611	709	1,926	941	2,867
2021-22	199	195	235	204	210	213	210	246	245	207	222	227	254	629	627	701	1,957	910	2,867
2022-23	218	213	208	239	218	218	222	207	240	240	211	222	235	639	675	669	1,983	908	2,891
Projected																			
2023-24	190	224	219	213	247	224	222	222	202	230	242	211	226	633	684	646	1,963	909	2,872
2024-25	217	196	231	224	220	254	229	222	217	194	232	243	215	644	698	668	2,010	884	2,894
2025-26	203	224	202	236	232	226	259	228	217	208	196	232	247	629	694	704	2,027	883	2,910
2026-27	233	209	230	206	244	239	231	259	223	208	210	196	236	672	689	713	2,074	850	2,924
2027-28	278	240	215	235	213	251	243	230	253	214	210	210	199	733	699	726	2,158	833	2,991
2028-29	238	286	247	219	243	220	256	243	225	242	216	210	213	771	682	724	2,177	881	3,058
2029-30	238	245	294	253	227	251	224	256	237	216	245	216	214	777	731	717	2,225	891	3,116
2030-31	238	245	252	301	261	233	255	223	250	227	218	245	220	735	795	728	2,258	910	3,168
2031-32	238	245	252	258	311	269	238	255	219	240	230	218	249	735	838	712	2,285	937	3,222
2032-33	238	245	252	258	266	320	274	238	249	209	242	230	222	735	844	761	2,340	903	3,243

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 2 - Alternative Grade Group

Enrollment Trends & Projections - Scarborough Attending Resident and Non-Resident Enrollment - 2022-23 Best Fit Model

School Year	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	742	805	2,171	1,053	3,224	865	787	519	2,171	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	839	759	516	2,114	1,028	3,142
2014-15	617	696	799	2,112	998	3,110	840	720	552	2,112	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	780	680	506	1,966	1,021	2,987
2016-17	585	670	715	1,970	994	2,964	823	656	491	1,970	994	2,964
2017-18	566	675	717	1,958	975	2,933	797	672	489	1,958	975	2,933
2018-19	608	660	673	1,941	1,001	2,942	796	681	464	1,941	1,001	2,942
2019-20	649	663	694	2,006	987	2,993	867	697	442	2,006	987	2,993
2020-21	606	611	709	1,926	941	2,867	801	661	464	1,926	941	2,867
2021-22	629	627	701	1,957	910	2,867	833	633	491	1,957	910	2,867
2022-23	639	675	669	1,983	908	2,891	878	658	447	1,983	908	2,891
Projected												
2023-24	633	684	646	1,963	909	2,872	846	693	424	1,963	909	2,872
2024-25	644	698	668	2,010	884	2,894	868	703	439	2,010	884	2,894
2025-26	629	694	704	2,027	883	2,910	865	717	445	2,027	883	2,910
2026-27	672	689	713	2,074	850	2,924	878	714	482	2,074	850	2,924
2027-28	733	699	726	2,158	833	2,991	968	707	483	2,158	833	2,991
2028-29	771	682	724	2,177	881	3,058	990	719	468	2,177	881	3,058
2029-30	777	731	717	2,225	891	3,116	1,030	702	493	2,225	891	3,116
2030-31	735	795	728	2,258	910	3,168	1,036	749	473	2,258	910	3,168
2031-32	735	838	712	2,285	937	3,222	993	818	474	2,285	937	3,222
2032-33	735	844	761	2,340	903	3,243	993	860	487	2,340	903	3,243

Table III-1

Scarborough Attending Enrollment - Average Grade-to-Grade Survival Ratios - 2022-23 Best Fit Model

School Year	Grade											
	K-1		1-2		2-3		3-4		4-5		5-6	
	Ratio	% +/-										
10 Year Avg. (13-22)	1.033	3.3%	1.032	3.2%	1.024	2.4%	1.033	3.3%	1.009	0.9%	1.019	1.9%
1st 5-Year Avg. (13-17)	1.035	3.5%	1.040	4.0%	1.026	2.6%	1.027	2.7%	0.998	-0.2%	1.010	1.0%
Last 5-Year Avg. (18-22)	1.032	3.2%	1.025	2.5%	1.022	2.2%	1.040	4.0%	1.021	2.1%	1.029	2.9%
Last 4-Year Avg. (19-22)	1.039	3.9%	1.015	1.5%	1.018	1.8%	1.044	4.4%	1.029	2.9%	1.033	3.3%
Last 3-Year Avg. (20-22)	1.029	2.9%	1.018	1.8%	1.015	1.5%	1.032	3.2%	1.032	3.2%	1.020	2.0%
Last 2-Year Avg. (21-22)	1.080	8.0%	1.065	6.5%	1.004	0.4%	1.073	7.3%	1.034	3.4%	1.024	2.4%

School Year	Grade											
	6-7		7-8		8-9		9-10		10-11		11-12	
	Ratio	% +/-										
10 Year Avg. (13-22)	1.006	0.6%	0.993	-0.7%	0.958	-4.2%	1.007	0.7%	1.005	0.5%	1.027	2.7%
1st 5-Year Avg. (13-17)	1.010	1.0%	1.000	0.0%	0.939	-6.1%	1.000	0.0%	1.005	0.5%	1.031	3.1%
Last 5-Year Avg. (18-22)	1.003	0.3%	0.986	-1.4%	0.977	-2.3%	1.014	1.4%	1.005	0.5%	1.022	2.2%
Last 4-Year Avg. (19-22)	1.003	0.3%	0.985	-1.5%	0.975	-2.5%	1.009	0.9%	1.006	0.6%	1.019	1.9%
Last 3-Year Avg. (20-22)	0.998	-0.2%	0.978	-2.2%	0.965	-3.5%	1.006	0.6%	1.001	0.1%	1.017	1.7%
Last 2-Year Avg. (21-22)	0.995	-0.5%	0.972	-2.8%	0.980	-2.0%	1.028	2.8%	0.998	-0.2%	1.020	2.0%

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 4
Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Best Fit Model**

School Year	Resident Students Attending District Schools						Resident Students at NON-District Schools						Total ALL Scarborough Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	1	1	0	2	10	12	625	743	805	2,173	1,063	3,236
2013-14	628	703	783	2,114	1,028	3,142	2	2	1	5	12	17	630	705	784	2,119	1,040	3,159
2014-15	617	696	799	2,112	998	3,110	2	1	3	6	16	22	619	697	802	2,118	1,014	3,132
2015-16	581	639	746	1,966	1,021	2,987	2	1	4	7	32	39	583	640	750	1,973	1,053	3,026
2016-17	585	670	715	1,970	994	2,964	1	2	2	5	42	47	586	672	717	1,975	1,036	3,011
2017-18	566	675	717	1,958	975	2,933	4	1	5	10	43	53	570	676	722	1,968	1,018	2,986
2018-19	608	660	673	1,941	1,001	2,942	3	6	3	12	41	53	611	666	676	1,953	1,042	2,995
2019-20	649	663	694	2,006	987	2,993	5	1	8	14	43	57	654	664	702	2,020	1,030	3,050
2020-21	606	611	709	1,926	941	2,867	8	2	10	20	46	66	614	613	719	1,946	987	2,933
2021-22	629	627	701	1,957	910	2,867	7	3	10	20	42	62	636	630	711	1,977	952	2,929
2022-23	639	675	669	1,983	908	2,891	7	9	7	23	38	61	646	684	676	2,006	946	2,952
Projected																		
2023-24	633	684	646	1,963	909	2,872	7	6	9	23	41	64	640	690	655	1,986	950	2,936
2024-25	644	698	668	2,010	884	2,894	8	6	10	23	40	63	652	704	678	2,033	924	2,957
2025-26	629	694	704	2,027	883	2,910	7	6	10	24	40	64	636	700	714	2,051	923	2,974
2026-27	672	689	713	2,074	850	2,924	8	6	10	24	39	63	680	695	723	2,098	889	2,987
2027-28	733	699	726	2,158	833	2,991	9	6	10	25	38	63	742	705	736	2,183	871	3,054
2028-29	771	682	724	2,177	881	3,058	9	6	10	26	40	66	780	688	734	2,203	921	3,124
2029-30	777	731	717	2,225	891	3,116	9	7	10	26	41	67	786	738	727	2,251	932	3,183
2030-31	735	795	728	2,258	910	3,168	9	7	10	26	42	68	744	802	738	2,284	952	3,236
2031-32	735	838	712	2,285	937	3,222	9	8	10	26	43	69	744	846	722	2,311	980	3,291
2032-33	735	844	761	2,340	903	3,243	9	8	11	27	41	68	744	852	772	2,367	944	3,311

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 5
All Scarborough Resident Students - 2022-23 Best Fit Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	576	640	704	621	690	759	590	655	721	1,787	1,986	2,184	903	950	998	2,690	2,936	3,182
2024-25	586	652	717	634	704	775	610	678	745	1,830	2,033	2,237	878	924	970	2,708	2,957	3,207
2025-26	573	636	700	630	700	770	643	714	785	1,846	2,051	2,255	877	923	969	2,723	2,974	3,224
2026-27	612	680	748	626	695	765	651	723	795	1,889	2,098	2,308	845	889	933	2,734	2,987	3,241
2027-28	667	742	816	635	705	776	663	736	810	1,965	2,183	2,402	827	871	915	2,792	3,054	3,317
2028-29	702	780	858	619	688	757	661	734	808	1,982	2,203	2,423	875	921	967	2,857	3,124	3,390
2029-30	708	786	865	664	738	811	654	727	800	2,026	2,251	2,476	885	932	979	2,911	3,183	3,455
2030-31	669	744	818	722	802	882	665	738	812	2,056	2,284	2,512	904	952	1,000	2,960	3,236	3,512
2031-32	669	744	818	761	846	930	650	722	794	2,080	2,311	2,542	931	980	1,029	3,011	3,291	3,571
2032-33	669	744	818	766	852	937	695	772	849	2,130	2,367	2,604	897	944	991	3,027	3,311	3,595

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	621	640	660	669	690	711	636	655	675	1,926	1,986	2,046	922	950	979	2,848	2,936	3,025
2024-25	632	652	671	683	704	725	657	678	698	1,972	2,033	2,094	896	924	952	2,868	2,957	3,046
2025-26	617	636	655	679	700	721	693	714	735	1,989	2,051	2,111	895	923	951	2,884	2,974	3,062
2026-27	660	680	700	674	695	716	701	723	745	2,035	2,098	2,161	862	889	916	2,897	2,987	3,077
2027-28	719	742	764	684	705	726	714	736	758	2,117	2,183	2,248	845	871	897	2,962	3,054	3,145
2028-29	757	780	803	668	688	709	712	734	756	2,137	2,203	2,268	893	921	949	3,030	3,124	3,217
2029-30	763	786	810	715	738	760	705	727	749	2,183	2,251	2,319	904	932	960	3,087	3,183	3,279
2030-31	721	744	766	778	802	826	716	738	761	2,215	2,284	2,353	923	952	981	3,138	3,236	3,334
2031-32	721	744	766	820	846	871	700	722	744	2,241	2,311	2,381	951	980	1,009	3,192	3,291	3,390
2032-33	721	744	766	826	852	877	749	772	795	2,296	2,367	2,438	916	944	972	3,212	3,311	3,410

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 5 - Alternative Grade Groups
All Scarborough Resident Students - 2022-23 Best Fit Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	885			667			454			2,006			946			2,952		
2023-24	768	853	939	629	699	769	390	433	477	1,787	1,986	2,185	903	950	998	2,690	2,936	3,183
2024-25	788	876	963	638	709	780	404	449	493	1,830	2,033	2,236	878	924	970	2,708	2,957	3,206
2025-26	785	872	960	651	723	796	410	455	501	1,846	2,051	2,257	877	923	969	2,723	2,974	3,226
2026-27	797	886	974	648	720	792	443	492	541	1,888	2,098	2,307	845	889	933	2,733	2,987	3,240
2027-28	879	977	1,074	642	713	785	444	493	543	1,965	2,183	2,402	827	871	915	2,792	3,054	3,317
2028-29	899	999	1,099	653	725	798	430	478	526	1,982	2,203	2,423	875	921	967	2,857	3,124	3,390
2029-30	935	1,039	1,143	638	709	779	453	503	554	2,026	2,251	2,476	885	932	979	2,911	3,183	3,455
2030-31	940	1,045	1,149	681	756	832	435	483	532	2,056	2,284	2,513	904	952	1,000	2,960	3,236	3,513
2031-32	901	1,002	1,102	743	826	908	436	484	533	2,080	2,311	2,543	931	980	1,029	3,011	3,291	3,572
2032-33	901	1,002	1,102	781	868	954	448	498	548	2,130	2,367	2,604	897	944	991	3,027	3,311	3,595

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	885			667			454			2,006			946			2,952		
2023-24	828	853	879	678	699	720	420	433	446	1,926	1,986	2,045	922	950	979	2,848	2,936	3,024
2024-25	849	876	902	688	709	731	435	449	462	1,972	2,033	2,095	896	924	952	2,868	2,957	3,047
2025-26	846	872	899	702	723	745	441	455	469	1,989	2,051	2,113	895	923	951	2,884	2,974	3,064
2026-27	859	886	912	699	720	742	477	492	507	2,035	2,098	2,161	862	889	916	2,897	2,987	3,077
2027-28	947	977	1,006	692	713	735	479	493	508	2,118	2,183	2,249	845	871	897	2,963	3,054	3,146
2028-29	969	999	1,029	703	725	747	464	478	493	2,136	2,203	2,269	893	921	949	3,029	3,124	3,218
2029-30	1,008	1,039	1,070	687	709	730	488	503	518	2,183	2,251	2,318	904	932	960	3,087	3,183	3,278
2030-31	1,013	1,045	1,076	734	756	779	469	483	498	2,216	2,284	2,353	923	952	981	3,139	3,236	3,334
2031-32	972	1,002	1,032	801	826	850	470	484	499	2,243	2,311	2,381	951	980	1,009	3,194	3,291	3,390
2032-33	972	1,002	1,032	842	868	894	483	498	513	2,297	2,367	2,439	916	944	972	3,213	3,311	3,411

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 6
Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model**

School Year	Resident Students Attending District Schools						NON-Resident Students at District Schools						Total ALL Attending Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	0	1	0	1	0	1	624	743	805	2,172	1,053	3,225
2013-14	628	703	783	2,114	1,028	3,142	0	0	1	1	1	2	628	703	784	2,115	1,029	3,144
2014-15	617	696	799	2,112	998	3,110	0	1	0	1	0	1	617	697	799	2,113	998	3,111
2015-16	581	639	746	1,966	1,021	2,987	0	0	1	1	1	2	581	639	747	1,967	1,022	2,989
2016-17	585	670	715	1,970	994	2,964	0	0	1	1	1	2	585	670	716	1,971	995	2,966
2017-18	566	675	717	1,958	975	2,933	1	0	0	1	4	5	567	675	717	1,959	979	2,938
2018-19	608	660	673	1,941	1,001	2,942	1	1	2	4	2	6	609	661	675	1,945	1,003	2,948
2019-20	649	663	694	2,006	987	2,993	2	1	2	5	1	6	651	664	696	2,011	988	2,999
2020-21	606	611	709	1,926	941	2,867	0	3	2	5	2	7	606	614	711	1,931	943	2,874
2021-22	629	627	701	1,957	910	2,867	2	2	1	5	2	7	631	629	702	1,962	912	2,874
2022-23	639	675	669	1,983	908	2,891	1	2	2	5	2	7	640	677	671	1,988	910	2,898
Projected																		
2023-24	633	684	646	1,963	909	2,872	1	1	1	3	2	5	634	685	647	1,966	911	2,877
2024-25	644	698	668	2,010	884	2,894	1	1	1	3	2	5	645	699	669	2,013	886	2,899
2025-26	629	694	704	2,027	883	2,910	1	1	1	3	2	5	630	695	705	2,030	885	2,915
2026-27	672	689	713	2,074	850	2,924	2	1	1	4	2	6	674	690	714	2,078	852	2,930
2027-28	733	699	726	2,158	833	2,991	2	1	1	4	2	6	735	700	727	2,162	835	2,997
2028-29	771	682	724	2,177	881	3,058	2	1	1	4	2	6	773	683	725	2,181	883	3,064
2029-30	777	731	717	2,225	891	3,116	2	1	1	4	2	6	779	732	718	2,229	893	3,122
2030-31	735	795	728	2,258	910	3,168	2	1	2	5	2	7	737	796	730	2,263	912	3,175
2031-32	735	838	712	2,285	937	3,222	2	2	1	5	2	7	737	840	713	2,290	939	3,229
2032-33	735	844	761	2,340	903	3,243	2	2	2	6	2	8	737	846	763	2,346	905	3,251

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 6 - Alternative Grade Groupings
Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model

School Year	Total ALL Attending Students											
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	743	805	2,172	1,053	3,225	865	787	520	2,172	1,053	3,225
2013-14	628	703	784	2,115	1,029	3,144	839	759	516	2,115	1,029	3,144
2014-15	617	697	799	2,113	998	3,111	840	720	553	2,113	998	3,111
2015-16	581	639	747	1,967	1,022	2,989	780	680	506	1,967	1,022	2,989
2016-17	585	670	716	1,971	995	2,966	823	656	491	1,971	995	2,966
2017-18	567	675	717	1,959	979	2,938	798	672	489	1,959	979	2,938
2018-19	609	661	675	1,945	1,003	2,948	797	681	465	1,945	1,003	2,948
2019-20	651	664	696	2,011	988	2,999	869	697	443	2,011	988	2,999
2020-21	606	614	711	1,931	943	2,874	801	661	467	1,931	943	2,874
2021-22	631	629	702	1,962	912	2,874	835	633	493	1,962	912	2,874
2022-23	640	677	671	1,988	910	2,898	879	658	449	1,988	910	2,898
Projected												
2023-24	634	685	647	1,966	911	2,877	847	693	425	1,966	911	2,877
2024-25	645	699	669	2,013	886	2,899	869	703	440	2,013	886	2,899
2025-26	630	695	705	2,030	885	2,915	866	717	446	2,030	885	2,915
2026-27	674	690	714	2,078	852	2,930	880	714	483	2,078	852	2,930
2027-28	735	700	727	2,162	835	2,997	970	707	484	2,162	835	2,997
2028-29	773	683	725	2,181	883	3,064	992	719	469	2,181	883	3,064
2029-30	779	732	718	2,229	893	3,122	1,032	702	494	2,229	893	3,122
2030-31	737	796	730	2,263	912	3,175	1,038	749	474	2,263	912	3,175
2031-32	737	840	713	2,290	939	3,229	995	818	476	2,290	939	3,229
2032-33	737	846	763	2,346	905	3,251	995	860	489	2,346	905	3,251

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools
2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
Data produced by Wandell Consulting

**Appendix Table 7
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	640			677			671			1,988			910			2,898		
2023-24	571	634	697	617	685	754	582	647	712	1,770	1,966	2,163	865	911	957	2,635	2,877	3,120
2024-25	581	645	710	629	699	769	602	669	736	1,812	2,013	2,215	842	886	930	2,654	2,899	3,145
2025-26	567	630	693	626	695	765	635	705	776	1,828	2,030	2,234	841	885	929	2,669	2,915	3,163
2026-27	607	674	741	621	690	759	643	714	785	1,871	2,078	2,285	809	852	895	2,680	2,930	3,180
2027-28	662	735	809	630	700	770	654	727	800	1,946	2,162	2,379	793	835	877	2,739	2,997	3,256
2028-29	696	773	850	615	683	751	653	725	798	1,964	2,181	2,399	839	883	927	2,803	3,064	3,326
2029-30	701	779	857	659	732	805	646	718	790	2,006	2,229	2,452	848	893	938	2,854	3,122	3,390
2030-31	663	737	811	716	796	876	657	730	803	2,036	2,263	2,490	866	912	958	2,902	3,175	3,448
2031-32	663	737	811	756	840	924	642	713	784	2,061	2,290	2,519	892	939	986	2,953	3,229	3,505
2032-33	663	737	811	761	846	931	687	763	839	2,111	2,346	2,581	860	905	950	2,971	3,251	3,531

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	640			677			671			1,988			910			2,898		
2023-24	615	634	653	664	685	706	628	647	666	1,907	1,966	2,025	884	911	938	2,791	2,877	2,963
2024-25	626	645	664	678	699	720	649	669	689	1,953	2,013	2,073	859	886	913	2,812	2,899	2,986
2025-26	611	630	649	674	695	716	684	705	726	1,969	2,030	2,091	858	885	912	2,827	2,915	3,003
2026-27	654	674	694	669	690	711	693	714	735	2,016	2,078	2,140	826	852	878	2,842	2,930	3,018
2027-28	713	735	757	679	700	721	705	727	749	2,097	2,162	2,227	810	835	860	2,907	2,997	3,087
2028-29	750	773	796	663	683	703	703	725	747	2,116	2,181	2,246	857	883	909	2,973	3,064	3,155
2029-30	756	779	802	710	732	754	696	718	740	2,162	2,229	2,296	866	893	920	3,028	3,122	3,216
2030-31	715	737	759	772	796	820	708	730	752	2,195	2,263	2,331	885	912	939	3,080	3,175	3,270
2031-32	715	737	759	815	840	865	692	713	734	2,222	2,290	2,358	911	939	967	3,133	3,229	3,325
2032-33	715	737	759	821	846	871	740	763	786	2,276	2,346	2,416	878	905	932	3,154	3,251	3,348

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 1-1

Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
2006-07	135	10/12	202	10/13	199	1.474	0.985		64
2007-08	142	10/13	204	10/14	212	1.493	1.039		70
2008-09	138	10/14	207	10/15	209	1.514	1.010		71
2009-10	129	10/15	156	10/16	173	1.341	1.109		44
2010-11	135	10/16	193	10/17	199	1.474	1.031		64
2011-12	129	10/17	186	10/18	187	1.450	1.005		58
2012-13	150	10/18	209	10/19	223	1.487	1.067		73
2013-14	167	10/19	238	10/20	221	1.323	0.929		54
2014-15	158	10/20	179	10/21	195	1.234	1.089		37
2015-16	157	10/21	199	10/22	213	1.357	1.070		56
2016-17	138	10/22	218	10/23		1.663	1.053	230	92
2017-18	142	10/23		10/24		1.381		196	54
2018-19	162	10/24		10/25		1.381		224	62
2019-20	151	10/25		10/26		1.381		209	58
2020-21	174	10/26		10/27		1.381		240	66
2021-22*	207	10/27		10/28		1.381		286	79
2022-23 est	177	10/28		10/29		1.381		245	68
2023-24 est	186	10/29		10/30		1.381		257	71
2024-25 est	190	10/30		10/31		1.381		263	72
2025-26 est	185	10/31		10/32		1.381		255	70
10yr Total (07-16)	1,440	10yr Total (12-21)	1,973	10yr Total (13-22)	2,031	1.410	1.029	Last 10yr	59.1
10yr Avg (07-16)	144	10yr Avg (12-21)	197	10yr Avg (13-22)	203	1.415	1.029	Last 5yr	55.6
5yr Avg (18-22)	167							Last 3yr	49.0
5yr Max (18-22)	207							Proj.	69.1
5yr Min (18-22)	142								
3 yr Avg (20-22)	177								
2 yr Avg (21-22)	191								

First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients	
10 YEAR	0.676	10 YEAR	0.885
9 YEAR	0.677	9 YEAR	0.898
8 YEAR	0.708	8 YEAR	0.898
7 YEAR	0.764	7 YEAR	0.896
6 YEAR	0.668	6 YEAR	0.811
5 YEAR	0.648	5 YEAR	0.804
4 YEAR	-0.030	4 YEAR	0.821
3 YEAR	0.673	3 YEAR	0.920

Ratios	1st/Birth	1st/K
Avg last 10	1.415	1.033
Avg last 9	1.408	1.039
Avg last 8	1.398	1.039
Avg last 7	1.381	1.043
Avg last 6	1.388	1.032
Avg last 5	1.370	1.032
Avg last 4	1.350	1.039
Avg last 3	1.305	1.029
10yr Weighted	1.384	1.038
5yr Weighted	1.341	1.042
3yr Weighted	1.310	1.053

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... *2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

Appendix Table 8

Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT

School Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																			
2012-13	202	206	216	241	240	261	286	243	276	253	242	278	280	624	742	805	2,171	1,053	3,224
2013-14	204	199	225	211	252	240	267	282	234	255	249	241	283	628	703	783	2,114	1,028	3,142
2014-15	207	212	198	223	223	250	247	263	289	226	258	260	254	617	696	799	2,112	998	3,110
2015-16	156	209	216	199	222	218	240	244	262	263	228	259	271	581	639	746	1,966	1,021	2,987
2016-17	193	173	219	238	206	226	224	247	244	249	261	227	257	585	670	715	1,970	994	2,964
2017-18	186	199	181	231	238	206	228	238	251	230	250	257	238	566	675	717	1,958	975	2,933
2018-19	209	187	212	188	237	235	209	228	236	247	238	250	266	608	660	673	1,941	1,001	2,942
2019-20	238	223	188	218	203	242	252	213	229	237	251	243	256	649	663	694	2,006	987	2,993
2020-21	179	221	206	195	207	209	245	253	211	214	228	253	246	606	611	709	1,926	941	2,867
2021-22	199	195	235	204	210	213	210	246	245	207	222	227	254	629	627	701	1,957	910	2,867
2022-23	218	213	208	239	218	218	222	207	240	240	211	222	235	639	675	669	1,983	908	2,891
Projected																			
2023-24	193	230	223	213	247	224	222	222	202	237	246	211	226	646	684	646	1,976	920	2,896
2024-25	220	196	240	228	219	254	229	222	217	200	243	247	215	656	701	668	2,025	905	2,930
2025-26	205	224	205	245	235	226	259	228	217	214	205	244	251	634	706	704	2,044	914	2,958
2026-27	236	209	234	209	253	242	230	258	223	214	220	206	248	679	704	711	2,094	888	2,982
2027-28	281	240	218	239	216	260	246	230	253	221	220	220	209	739	715	729	2,183	870	3,053
2028-29	241	286	251	223	246	222	266	246	225	249	226	220	224	778	691	737	2,206	919	3,125
2029-30	252	245	299	257	230	254	227	265	241	222	256	227	224	796	741	733	2,270	929	3,199
2030-31	258	257	256	305	265	237	259	226	259	237	228	256	231	771	807	744	2,322	952	3,274
2031-32	250	263	269	262	315	273	241	258	221	256	244	228	261	782	850	720	2,352	989	3,341
2032-33	250	255	274	274	270	324	278	241	253	219	263	244	232	779	868	772	2,419	958	3,377

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 8 - Alternative Grade Groups												
Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT												
School Year	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	742	805	2,171	1,053	3,224	865	787	519	2,171	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	839	759	516	2,114	1,028	3,142
2014-15	617	696	799	2,112	998	3,110	840	720	552	2,112	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	780	680	506	1,966	1,021	2,987
2016-17	585	670	715	1,970	994	2,964	823	656	491	1,970	994	2,964
2017-18	566	675	717	1,958	975	2,933	797	672	489	1,958	975	2,933
2018-19	608	660	673	1,941	1,001	2,942	796	681	464	1,941	1,001	2,942
2019-20	649	663	694	2,006	987	2,993	867	697	442	2,006	987	2,993
2020-21	606	611	709	1,926	941	2,867	801	661	464	1,926	941	2,867
2021-22	629	627	701	1,957	910	2,867	833	633	491	1,957	910	2,867
2022-23	639	675	669	1,983	908	2,891	878	658	447	1,983	908	2,891
Projected												
2023-24	645	684	646	1,975	920	2,895	857	693	424	1,975	920	2,895
2024-25	656	701	667	2,024	905	2,929	883	702	439	2,024	905	2,929
2025-26	633	706	704	2,043	914	2,957	879	719	445	2,043	914	2,957
2026-27	678	704	712	2,094	887	2,982	888	725	482	2,094	887	2,982
2027-28	739	715	729	2,183	870	3,053	978	723	483	2,183	870	3,053
2028-29	777	692	736	2,205	920	3,125	1,000	734	471	2,205	920	3,125
2029-30	796	740	732	2,268	929	3,197	1,053	710	505	2,268	929	3,197
2030-31	771	807	744	2,322	953	3,274	1,076	760	486	2,322	953	3,274
2031-32	781	849	721	2,351	989	3,340	1,043	829	480	2,351	989	3,340
2032-33	779	869	771	2,419	958	3,377	1,054	872	493	2,419	958	3,377

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

Appendix Table 9

Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT

School Year	Resident Students Attending District Schools						Resident Students at NON-District Schools						Total ALL Scarborough Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	1	1	0	2	10	12	625	743	805	2,173	1,063	3,236
2013-14	628	703	783	2,114	1,028	3,142	2	2	1	5	12	17	630	705	784	2,119	1,040	3,159
2014-15	617	696	799	2,112	998	3,110	2	1	3	6	16	22	619	697	802	2,118	1,014	3,132
2015-16	581	639	746	1,966	1,021	2,987	2	1	4	7	32	39	583	640	750	1,973	1,053	3,026
2016-17	585	670	715	1,970	994	2,964	1	2	2	5	42	47	586	672	717	1,975	1,036	3,011
2017-18	566	675	717	1,958	975	2,933	4	1	5	10	43	53	570	676	722	1,968	1,018	2,986
2018-19	608	660	673	1,941	1,001	2,942	3	6	3	12	41	53	611	666	676	1,953	1,042	2,995
2019-20	649	663	694	2,006	987	2,993	5	1	8	14	43	57	654	664	702	2,020	1,030	3,050
2020-21	606	611	709	1,926	941	2,867	8	2	10	20	46	66	614	613	719	1,946	987	2,933
2021-22	629	627	701	1,957	910	2,867	7	3	10	20	42	62	636	630	711	1,977	952	2,929
2022-23	639	675	669	1,983	908	2,891	7	9	7	23	38	61	646	684	676	2,006	946	2,952
Projected																		
2023-24	646	684	646	1,976	920	2,896	7	6	9	23	41	64	653	690	655	1,999	961	2,960
2024-25	656	701	668	2,025	905	2,930	8	6	10	23	40	63	664	707	678	2,048	945	2,993
2025-26	634	706	704	2,044	914	2,958	7	6	10	24	40	64	641	712	714	2,068	954	3,022
2026-27	679	704	711	2,094	888	2,982	8	6	10	24	39	63	687	710	721	2,118	927	3,045
2027-28	739	715	729	2,183	870	3,053	9	6	10	25	38	63	748	721	739	2,208	908	3,116
2028-29	778	691	737	2,206	919	3,125	9	6	10	26	40	66	787	697	747	2,232	959	3,191
2029-30	796	741	733	2,270	929	3,199	9	7	10	26	41	67	805	748	743	2,296	970	3,266
2030-31	771	807	744	2,322	952	3,274	9	7	10	26	42	68	780	814	754	2,348	994	3,342
2031-32	782	850	720	2,352	989	3,341	9	8	10	26	43	69	791	858	730	2,378	1,032	3,410
2032-33	779	868	772	2,419	958	3,377	9	8	11	27	41	68	788	876	783	2,446	999	3,445

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 10
All Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	588	653	719	621	690	759	590	655	721	1,799	1,999	2,199	913	961	1,009	2,712	2,960	3,208
2024-25	597	664	730	637	707	778	610	678	745	1,844	2,048	2,253	898	945	992	2,742	2,993	3,245
2025-26	577	641	706	641	712	784	643	714	785	1,861	2,068	2,275	906	954	1,002	2,767	3,022	3,277
2026-27	618	687	756	639	710	781	649	721	793	1,906	2,118	2,330	881	927	973	2,787	3,045	3,303
2027-28	673	748	822	649	721	793	665	739	813	1,987	2,208	2,428	863	908	953	2,850	3,116	3,381
2028-29	708	787	866	627	697	767	673	747	822	2,008	2,232	2,455	911	959	1,007	2,919	3,191	3,462
2029-30	725	805	886	673	748	822	669	743	818	2,067	2,296	2,526	922	970	1,019	2,989	3,266	3,545
2030-31	702	780	858	733	814	896	679	754	830	2,114	2,348	2,584	944	994	1,044	3,058	3,342	3,628
2031-32	712	791	870	772	858	943	657	730	803	2,141	2,378	2,616	980	1,032	1,084	3,121	3,410	3,700
2032-33	709	788	866	788	876	963	705	783	861	2,202	2,446	2,690	949	999	1,049	3,151	3,445	3,739

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	634	653	673	669	690	711	636	655	675	1,939	1,999	2,059	932	961	990	2,871	2,960	3,049
2024-25	644	664	683	686	707	729	657	678	698	1,987	2,048	2,110	917	945	973	2,904	2,993	3,083
2025-26	622	641	661	691	712	734	693	714	735	2,006	2,068	2,130	925	954	983	2,931	3,022	3,113
2026-27	666	687	708	689	710	732	700	721	743	2,055	2,118	2,183	899	927	955	2,954	3,045	3,138
2027-28	725	748	770	700	721	743	717	739	762	2,142	2,208	2,275	881	908	935	3,023	3,116	3,210
2028-29	763	787	811	676	697	718	725	747	770	2,164	2,232	2,299	930	959	988	3,094	3,191	3,287
2029-30	781	805	829	725	748	770	721	743	765	2,227	2,296	2,364	941	970	999	3,168	3,266	3,363
2030-31	756	780	803	790	814	839	732	754	777	2,278	2,348	2,419	964	994	1,024	3,242	3,342	3,443
2031-32	767	791	814	832	858	883	708	730	752	2,307	2,378	2,449	1,001	1,032	1,063	3,308	3,410	3,512
2032-33	764	788	811	849	876	902	759	783	806	2,372	2,446	2,519	969	999	1,029	3,341	3,445	3,548

Notes: Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 11

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT

School Year	Resident Students Attending District Schools						NON-Resident Students at District Schools						Total ALL Attending Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	0	1	0	1	0	0	624	743	805	2,172	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	0	0	1	1	1	1	628	703	784	2,115	1,029	3,143
2014-15	617	696	799	2,112	998	3,110	0	1	0	1	0	0	617	697	799	2,113	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	0	0	1	1	1	1	581	639	747	1,967	1,022	2,988
2016-17	585	670	715	1,970	994	2,964	0	0	1	1	1	1	585	670	716	1,971	995	2,965
2017-18	566	675	717	1,958	975	2,933	1	0	0	1	4	5	567	675	717	1,959	979	2,938
2018-19	608	660	673	1,941	1,001	2,942	1	1	2	4	2	3	609	661	675	1,945	1,003	2,945
2019-20	649	663	694	2,006	987	2,993	2	1	2	5	1	3	651	664	696	2,011	988	2,996
2020-21	606	611	709	1,926	941	2,867	0	3	2	5	2	2	606	614	711	1,931	943	2,869
2021-22	629	627	701	1,957	910	2,867	2	2	1	5	2	4	631	629	702	1,962	912	2,871
2022-23	639	675	669	1,983	908	2,891	1	2	2	5	2	3	640	677	671	1,988	910	2,894
Projected																		
2023-24	646	684	646	1,976	920	2,896	1	1	1	3	2	5	647	685	647	1,979	922	2,901
2024-25	656	701	668	2,025	905	2,930	1	1	1	3	2	5	657	702	669	2,028	907	2,935
2025-26	634	706	704	2,044	914	2,958	1	1	1	3	2	5	635	707	705	2,047	916	2,963
2026-27	679	704	711	2,094	888	2,982	2	1	1	4	2	6	681	705	712	2,098	890	2,988
2027-28	739	715	729	2,183	870	3,053	2	1	1	4	2	6	741	716	730	2,187	872	3,059
2028-29	778	691	737	2,206	919	3,125	2	1	1	4	2	6	780	692	738	2,210	921	3,131
2029-30	796	741	733	2,270	929	3,199	2	1	1	4	2	6	798	742	734	2,274	931	3,205
2030-31	771	807	744	2,322	952	3,274	2	1	2	5	2	7	773	808	746	2,327	954	3,281
2031-32	782	850	720	2,352	989	3,341	2	2	1	5	2	7	784	852	721	2,357	991	3,348
2032-33	779	868	772	2,419	958	3,377	2	2	2	6	2	8	781	870	774	2,425	960	3,385

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 11 - Alternative Grade Groups

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT

School Year	Total ALL Attending Students											
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	743	805	2,172	1,053	3,224	865	788	519	2,172	1,053	3,224
2013-14	628	703	784	2,115	1,029	3,143	839	759	517	2,115	1,029	3,143
2014-15	617	697	799	2,113	998	3,110	840	721	552	2,113	998	3,110
2015-16	581	639	747	1,967	1,022	2,988	780	680	507	1,967	1,022	2,988
2016-17	585	670	716	1,971	995	2,965	823	656	492	1,971	995	2,965
2017-18	567	675	717	1,959	979	2,938	798	672	489	1,959	975	2,938
2018-19	609	661	675	1,945	1,003	2,945	797	682	466	1,945	1,003	2,945
2019-20	651	664	696	2,011	988	2,996	869	698	444	2,011	989	2,996
2020-21	606	614	711	1,931	943	2,869	801	664	466	1,931	943	2,869
2021-22	631	629	702	1,962	912	2,871	835	635	492	1,962	911	2,871
2022-23	640	677	671	1,988	910	2,894	879	660	449	1,988	910	2,894
Projected												
2023-24	647	685	647	1,979	922	2,901	858	694	425	1,978	921	2,900
2024-25	657	702	669	2,028	907	2,935	884	703	440	2,027	906	2,934
2025-26	635	707	705	2,047	916	2,963	880	720	446	2,046	915	2,962
2026-27	681	705	712	2,098	890	2,988	890	726	483	2,098	888	2,988
2027-28	741	716	730	2,187	872	3,059	980	724	484	2,187	871	3,059
2028-29	780	692	738	2,210	921	3,131	1,002	735	472	2,209	921	3,131
2029-30	798	742	734	2,274	931	3,205	1,055	711	506	2,272	930	3,203
2030-31	773	808	746	2,327	954	3,281	1,078	761	488	2,327	955	3,281
2031-32	784	852	721	2,357	991	3,348	1,045	831	481	2,356	990	3,347
2032-33	781	870	774	2,425	960	3,385	1,056	874	495	2,425	960	3,385

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools
 2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

**Appendix Table 12
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	640			677			671			1,988			910			2,894		
2023-24	582	647	712	617	685	754	582	647	712	1,781	1,979	2,178	876	922	968	2,657	2,901	3,146
2024-25	591	657	723	632	702	772	602	669	736	1,825	2,028	2,231	862	907	952	2,687	2,935	3,183
2025-26	572	635	699	636	707	778	635	705	776	1,843	2,047	2,253	870	916	962	2,713	2,963	3,215
2026-27	613	681	749	635	705	776	641	712	783	1,889	2,098	2,308	846	890	935	2,735	2,988	3,243
2027-28	667	741	815	644	716	788	657	730	803	1,968	2,187	2,406	828	872	916	2,796	3,059	3,322
2028-29	702	780	858	623	692	761	664	738	812	1,989	2,210	2,431	875	921	967	2,864	3,131	3,398
2029-30	718	798	878	668	742	816	661	734	807	2,047	2,274	2,501	884	931	978	2,931	3,205	3,479
2030-31	696	773	850	727	808	889	671	746	821	2,094	2,327	2,560	906	954	1,002	3,000	3,281	3,562
2031-32	706	784	862	767	852	937	649	721	793	2,122	2,357	2,592	941	991	1,041	3,063	3,348	3,633
2032-33	703	781	859	783	870	957	697	774	851	2,183	2,425	2,667	912	960	1,008	3,095	3,385	3,675

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	640			677			671			1,988			910			2,894		
2023-24	628	647	666	664	685	706	628	647	666	1,920	1,979	2,038	894	922	950	2,814	2,901	2,988
2024-25	637	657	677	681	702	723	649	669	689	1,967	2,028	2,089	880	907	934	2,847	2,935	3,023
2025-26	616	635	654	686	707	728	684	705	726	1,986	2,047	2,108	889	916	943	2,875	2,963	3,051
2026-27	661	681	701	684	705	726	691	712	733	2,036	2,098	2,160	863	890	917	2,899	2,988	3,077
2027-28	719	741	763	695	716	737	708	730	752	2,122	2,187	2,252	846	872	898	2,968	3,059	3,150
2028-29	757	780	803	671	692	713	716	738	760	2,144	2,210	2,276	893	921	949	3,037	3,131	3,225
2029-30	774	798	822	720	742	764	712	734	756	2,206	2,274	2,342	903	931	959	3,109	3,205	3,301
2030-31	750	773	796	784	808	832	724	746	768	2,258	2,327	2,396	925	954	983	3,183	3,281	3,379
2031-32	760	784	808	826	852	878	699	721	743	2,285	2,357	2,429	961	991	1,021	3,246	3,348	3,450
2032-33	758	781	804	844	870	896	751	774	797	2,353	2,425	2,497	931	960	989	3,284	3,385	3,486

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 12 - Alternative Grade Groups
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	879			660			449			1,988			910			2,894		
2023-24	773	858	944	625	694	764	383	425	468	1,781	1,978	2,176	876	922	968	2,657	2,900	3,144
2024-25	796	884	973	633	703	773	396	440	484	1,825	2,027	2,230	862	907	952	2,687	2,934	3,182
2025-26	792	880	968	648	720	792	402	446	491	1,842	2,046	2,251	870	916	962	2,712	2,962	3,213
2026-27	801	890	979	653	726	798	434	483	531	1,888	2,098	2,308	846	890	935	2,734	2,988	3,243
2027-28	882	980	1,078	651	724	796	435	484	532	1,968	2,187	2,406	828	872	916	2,796	3,059	3,322
2028-29	902	1,002	1,102	662	735	809	425	472	519	1,989	2,209	2,430	875	921	967	2,864	3,130	3,397
2029-30	949	1,055	1,160	640	711	782	456	506	557	2,045	2,272	2,499	884	931	978	2,929	3,203	3,477
2030-31	970	1,078	1,186	685	761	837	439	488	536	2,094	2,327	2,559	906	954	1,002	3,000	3,281	3,561
2031-32	940	1,045	1,149	748	831	914	433	481	529	2,121	2,356	2,592	941	991	1,041	3,062	3,347	3,633
2032-33	950	1,056	1,162	787	874	961	446	495	545	2,183	2,425	2,668	912	960	1,008	3,095	3,385	3,676

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	879			660			449			1,988			910			2,894		
2023-24	833	858	884	673	694	715	412	425	438	1,918	1,978	2,037	894	922	950	2,812	2,900	2,987
2024-25	858	884	911	682	703	724	426	440	453	1,966	2,027	2,088	880	907	934	2,846	2,934	3,022
2025-26	853	880	906	699	720	742	433	446	460	1,985	2,046	2,108	889	916	943	2,874	2,962	3,051
2026-27	863	890	916	704	726	748	468	483	497	2,035	2,098	2,161	863	890	917	2,898	2,988	3,078
2027-28	950	980	1,009	702	724	746	469	484	498	2,121	2,187	2,253	846	872	898	2,967	3,059	3,151
2028-29	972	1,002	1,032	713	735	758	458	472	486	2,143	2,209	2,276	893	921	949	3,036	3,130	3,225
2029-30	1,023	1,055	1,086	690	711	733	491	506	522	2,204	2,272	2,341	903	931	959	3,107	3,203	3,300
2030-31	1,046	1,078	1,110	738	761	784	473	488	502	2,257	2,327	2,396	925	954	983	3,182	3,281	3,379
2031-32	1,014	1,045	1,076	806	831	856	466	481	495	2,286	2,356	2,427	961	991	1,021	3,247	3,347	3,448
2032-33	1,024	1,056	1,088	848	874	900	480	495	510	2,352	2,425	2,498	931	960	989	3,283	3,385	3,487

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 13

Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Housing Impact Model

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
2006-07	135	10/12	202	10/13	199	1.474	0.985		64
2007-08	142	10/13	204	10/14	212	1.493	1.039		70
2008-09	138	10/14	207	10/15	209	1.514	1.010		71
2009-10	129	10/15	156	10/16	173	1.341	1.109		44
2010-11	135	10/16	193	10/17	199	1.474	1.031		64
2011-12	129	10/17	186	10/18	187	1.450	1.005		58
2012-13	150	10/18	209	10/19	223	1.487	1.067		73
2013-14	167	10/19	238	10/20	221	1.323	0.929		54
2014-15	158	10/20	179	10/21	195	1.234	1.089		37
2015-16	157	10/21	199	10/22	213	1.357	1.070		56
2016-17	138	10/22	218	10/23		1.675	1.060	231	93
2017-18	142	10/23		10/24		1.392		198	56
2018-19	162	10/24		10/25		1.391		225	63
2019-20	151	10/25		10/26		1.392		210	59
2020-21	174	10/26		10/27		1.390		242	68
2021-22*	207	10/27		10/28		1.389		287	80
2022-23 est	177	10/28		10/29		1.390		247	69
2023-24 est	186	10/29		10/30		1.390		259	73
2024-25 est	190	10/30		10/31		1.389		264	74
2025-26 est	185	10/31		10/32		1.390		256	72
10yr Total (07-16)	1,440	10yr Total (12-21)	1,973	10yr Total (13-22)	2,031	1.410	1.029	Last 10yr	59.1
10yr Avg (07-16)	144	10yr Avg (12-21)	197	10yr Avg (13-22)	203	1.415	1.029	Last 5yr	55.6
5yr Avg (18-22)	167							Last 3yr	49.0
5yr Max (18-22)	207							Proj.	70.7
5yr Min (18-22)	142								
3 yr Avg (20-22)	177								
2 yr Avg (21-22)	191								

First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients	
10 YEAR	0.676	10 YEAR	0.885
9 YEAR	0.677	9 YEAR	0.898
8 YEAR	0.708	8 YEAR	0.898
7 YEAR	0.764	7 YEAR	0.896
6 YEAR	0.668	6 YEAR	0.811
5 YEAR	0.648	5 YEAR	0.804
4 YEAR	-0.030	4 YEAR	0.821
3 YEAR	0.673	3 YEAR	0.920

Ratios	1st/Birth	1st/K
Avg last 10	1.415	1.033
Avg last 9	1.408	1.039
Avg last 8	1.398	1.039
Avg last 7	1.381	1.043
Avg last 6	1.388	1.032
Avg last 5	1.370	1.032
Avg last 4	1.350	1.039
Avg last 3	1.305	1.029
10yr Weighted	1.384	1.038
5yr Weighted	1.341	1.042
3yr Weighted	1.310	1.053

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... *2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

Appendix Table 14

Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model

School Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																			
2012-13	202	206	216	241	240	261	286	243	276	253	242	278	280	624	742	805	2,171	1,053	3,224
2013-14	204	199	225	211	252	240	267	282	234	255	249	241	283	628	703	783	2,114	1,028	3,142
2014-15	207	212	198	223	223	250	247	263	289	226	258	260	254	617	696	799	2,112	998	3,110
2015-16	156	209	216	199	222	218	240	244	262	263	228	259	271	581	639	746	1,966	1,021	2,987
2016-17	193	173	219	238	206	226	224	247	244	249	261	227	257	585	670	715	1,970	994	2,964
2017-18	186	199	181	231	238	206	228	238	251	230	250	257	238	566	675	717	1,958	975	2,933
2018-19	209	187	212	188	237	235	209	228	236	247	238	250	266	608	660	673	1,941	1,001	2,942
2019-20	238	223	188	218	203	242	252	213	229	237	251	243	256	649	663	694	2,006	987	2,993
2020-21	179	221	206	195	207	209	245	253	211	214	228	253	246	606	611	709	1,926	941	2,867
2021-22	199	195	235	204	210	213	210	246	245	207	222	227	254	629	627	701	1,957	910	2,867
2022-23	218	213	208	239	218	218	222	207	240	240	211	222	235	639	675	669	1,983	908	2,891
Projected																			
2023-24	194	231	224	214	248	226	224	223	204	239	248	213	227	649	688	651	1,988	927	2,915
2024-25	221	198	243	231	222	257	232	225	219	203	247	250	218	662	710	676	2,048	918	2,966
2025-26	206	225	208	250	240	231	263	233	221	218	210	249	256	639	721	717	2,077	933	3,010
2026-27	237	210	237	214	260	248	236	264	229	220	226	212	254	684	722	729	2,135	912	3,047
2027-28	281	242	221	244	223	269	254	237	260	228	227	228	217	744	736	751	2,231	900	3,131
2028-29	241	287	254	228	253	231	275	255	234	258	235	229	233	782	712	764	2,258	955	3,213
2029-30	253	247	302	262	236	262	237	276	251	232	267	237	235	802	760	764	2,326	971	3,297
2030-31	258	259	259	310	271	245	269	238	271	249	240	269	243	776	826	778	2,380	1,001	3,381
2031-32	251	264	272	266	322	281	251	269	234	270	258	242	275	787	869	754	2,410	1,045	3,455
2032-33	251	256	278	279	276	333	288	252	265	232	279	260	248	785	888	805	2,478	1,019	3,497

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 14 - Alternative Grade Groups													
Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model													
School Year	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12		Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical													
2012-13	624	742	805	2,171	1,053	3,224		865	787	519	2,171	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142		839	759	516	2,114	1,028	3,142
2014-15	617	696	799	2,112	998	3,110		840	720	552	2,112	998	3,110
2015-16	581	639	746	1,966	1,021	2,987		780	680	506	1,966	1,021	2,987
2016-17	585	670	715	1,970	994	2,964		823	656	491	1,970	994	2,964
2017-18	566	675	717	1,958	975	2,933		797	672	489	1,958	975	2,933
2018-19	608	660	673	1,941	1,001	2,942		796	681	464	1,941	1,001	2,942
2019-20	649	663	694	2,006	987	2,993		867	697	442	2,006	987	2,993
2020-21	606	611	709	1,926	941	2,867		801	661	464	1,926	941	2,867
2021-22	629	627	701	1,957	910	2,867		833	633	491	1,957	910	2,867
2022-23	639	675	669	1,983	908	2,891		878	658	447	1,983	908	2,891
Projected													
2023-24	649	688	650	1,988	927	2,915		863	698	427	1,988	927	2,915
2024-25	661	710	676	2,047	918	2,965		892	711	444	2,047	918	2,965
2025-26	639	720	717	2,077	933	3,009		889	733	454	2,077	933	3,009
2026-27	684	722	730	2,135	912	3,047		898	744	493	2,135	912	3,047
2027-28	744	735	751	2,231	900	3,130		988	746	497	2,231	900	3,130
2028-29	783	712	764	2,259	956	3,214		1,011	759	489	2,259	956	3,214
2029-30	801	760	764	2,325	971	3,296		1,063	735	527	2,325	971	3,296
2030-31	776	826	778	2,380	1,001	3,381		1,086	785	509	2,380	1,001	3,381
2031-32	787	869	754	2,410	1,044	3,454		1,053	854	503	2,410	1,044	3,454
2032-33	785	888	805	2,478	1,018	3,496		1,064	897	517	2,478	1,018	3,496

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

Appendix Table 15
Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Housing Impact Model

School Year	Resident Students Attending District Schools						Resident Students at NON-District Schools						Total ALL Scarborough Students			
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8
Historical																
2012-13	624	742	805	2,171	1,053	3,224	1	1	0	2	10	12	625	743	805	2,173
2013-14	628	703	783	2,114	1,028	3,142	2	2	1	5	12	17	630	705	784	2,119
2014-15	617	696	799	2,112	998	3,110	2	1	3	6	16	22	619	697	802	2,118
2015-16	581	639	746	1,966	1,021	2,987	2	1	4	7	32	39	583	640	750	1,973
2016-17	585	670	715	1,970	994	2,964	1	2	2	5	42	47	586	672	717	1,975
2017-18	566	675	717	1,958	975	2,933	4	1	5	10	43	53	570	676	722	1,968
2018-19	608	660	673	1,941	1,001	2,942	3	6	3	12	41	53	611	666	676	1,953
2019-20	649	663	694	2,006	987	2,993	5	1	8	14	43	57	654	664	702	2,020
2020-21	606	611	709	1,926	941	2,867	8	2	10	20	46	66	614	613	719	1,946
2021-22	629	627	701	1,957	910	2,867	7	3	10	20	42	62	636	630	711	1,977
2022-23	639	675	669	1,983	908	2,891	7	9	7	23	38	61	646	684	676	2,006
Projected																
2023-24	649	688	651	1,988	927	2,915	7	6	9	23	41	64	656	694	660	2,011
2024-25	662	710	676	2,048	918	2,966	8	6	10	23	40	63	670	716	686	2,071
2025-26	639	721	717	2,077	933	3,010	7	6	10	24	40	64	646	727	727	2,101
2026-27	684	722	729	2,135	912	3,047	8	6	10	24	39	63	692	728	739	2,159
2027-28	744	736	751	2,231	900	3,131	9	6	10	25	38	63	753	742	761	2,256
2028-29	782	712	764	2,258	955	3,213	9	6	10	26	40	66	791	718	774	2,284
2029-30	802	760	764	2,326	971	3,297	9	7	10	26	41	67	811	767	774	2,352
2030-31	776	826	778	2,380	1,001	3,381	9	7	10	26	42	68	785	833	788	2,406
2031-32	787	869	754	2,410	1,045	3,455	9	8	10	26	43	69	796	877	764	2,436
2032-33	785	888	805	2,478	1,019	3,497	9	8	11	27	41	68	794	896	816	2,505

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 16
All Scarborough Resident Students - 2022-23 Housing Impact Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	591	656	722	625	694	764	594	660	726	1,810	2,011	2,212	920	968	1,016	2,730	2,979	3,228
2024-25	603	670	737	645	716	788	617	686	754	1,865	2,071	2,279	910	958	1,006	2,775	3,029	3,285
2025-26	582	646	711	655	727	800	654	727	800	1,891	2,101	2,311	924	973	1,022	2,815	3,074	3,333
2026-27	623	692	761	655	728	801	665	739	813	1,943	2,159	2,375	903	951	999	2,846	3,110	3,374
2027-28	677	753	828	668	742	817	685	761	837	2,030	2,256	2,482	891	938	985	2,921	3,194	3,467
2028-29	712	791	870	646	718	790	697	774	852	2,055	2,284	2,512	945	995	1,045	3,000	3,279	3,557
2029-30	730	811	892	690	767	843	697	774	852	2,117	2,352	2,587	961	1,012	1,063	3,078	3,364	3,650
2030-31	706	785	863	750	833	917	710	788	867	2,166	2,406	2,647	991	1,043	1,095	3,157	3,449	3,742
2031-32	716	796	875	789	877	964	688	764	841	2,193	2,436	2,680	1,034	1,088	1,142	3,227	3,524	3,822
2032-33	714	794	873	806	896	985	734	816	897	2,254	2,505	2,755	1,007	1,060	1,113	3,261	3,565	3,868

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	637	656	676	673	694	715	640	660	680	1,950	2,011	2,071	939	968	997	2,889	2,979	3,068
2024-25	649	670	690	695	716	738	665	686	706	2,009	2,071	2,134	929	958	987	2,938	3,029	3,121
2025-26	627	646	666	705	727	749	705	727	749	2,037	2,101	2,164	944	973	1,002	2,981	3,074	3,166
2026-27	671	692	713	706	728	750	717	739	761	2,094	2,159	2,224	922	951	980	3,016	3,110	3,204
2027-28	730	753	775	720	742	765	738	761	784	2,188	2,256	2,324	910	938	966	3,098	3,194	3,290
2028-29	767	791	815	697	718	740	751	774	798	2,215	2,284	2,353	965	995	1,025	3,180	3,279	3,378
2029-30	787	811	835	744	767	790	751	774	797	2,282	2,352	2,422	982	1,012	1,042	3,264	3,364	3,464
2030-31	761	785	808	808	833	858	765	788	812	2,334	2,406	2,478	1,012	1,043	1,074	3,346	3,449	3,552
2031-32	772	796	820	850	877	903	741	764	787	2,363	2,436	2,510	1,055	1,088	1,121	3,418	3,524	3,631
2032-33	770	794	817	869	896	923	791	816	840	2,430	2,505	2,580	1,028	1,060	1,092	3,458	3,565	3,672

Notes: Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 17

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model

School Year	Resident Students Attending District Schools						NON-Resident Students at District Schools						Total ALL Attending Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	0	1	0	1	0	0	624	743	805	2,172	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	0	0	1	1	1	1	628	703	784	2,115	1,029	3,143
2014-15	617	696	799	2,112	998	3,110	0	1	0	1	0	0	617	697	799	2,113	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	0	0	1	1	1	1	581	639	747	1,967	1,022	2,988
2016-17	585	670	715	1,970	994	2,964	0	0	1	1	1	1	585	670	716	1,971	995	2,965
2017-18	566	675	717	1,958	975	2,933	1	0	0	1	4	5	567	675	717	1,959	979	2,938
2018-19	608	660	673	1,941	1,001	2,942	1	1	2	4	2	3	609	661	675	1,945	1,003	2,945
2019-20	649	663	694	2,006	987	2,993	2	1	2	5	1	3	651	664	696	2,011	988	2,996
2020-21	606	611	709	1,926	941	2,867	0	3	2	5	2	2	606	614	711	1,931	943	2,869
2021-22	629	627	701	1,957	910	2,867	2	2	1	5	2	4	631	629	702	1,962	912	2,871
2022-23	639	675	669	1,983	908	2,891	1	2	2	5	2	3	640	677	671	1,988	910	2,894
Projected																		
2023-24	649	688	651	1,988	927	2,915	1	1	1	3	2	5	650	689	652	1,991	929	2,920
2024-25	662	710	676	2,048	918	2,966	1	1	1	3	2	5	663	711	677	2,051	920	2,971
2025-26	639	721	717	2,077	933	3,010	1	1	1	3	2	5	640	722	718	2,080	935	3,015
2026-27	684	722	729	2,135	912	3,047	2	1	1	4	2	6	686	723	730	2,139	914	3,053
2027-28	744	736	751	2,231	900	3,131	2	1	1	4	2	6	746	737	752	2,235	902	3,137
2028-29	782	712	764	2,258	955	3,213	2	1	1	4	2	6	784	713	765	2,262	957	3,219
2029-30	802	760	764	2,326	971	3,297	2	1	1	4	2	6	804	761	765	2,330	973	3,303
2030-31	776	826	778	2,380	1,001	3,381	2	1	2	5	2	7	778	827	780	2,385	1,003	3,388
2031-32	787	869	754	2,410	1,045	3,455	2	2	1	5	2	7	789	871	755	2,415	1,047	3,462
2032-33	785	888	805	2,478	1,019	3,497	2	2	2	6	2	8	787	890	807	2,484	1,021	3,505

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 17 - Alternative Grade Groups

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model

School Year	Total ALL Attending Students											
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	743	805	2,172	1,053	3,224	865	788	519	2,172	1,053	3,224
2013-14	628	703	784	2,115	1,029	3,143	839	759	517	2,115	1,029	3,143
2014-15	617	697	799	2,113	998	3,110	840	721	552	2,113	998	3,110
2015-16	581	639	747	1,967	1,022	2,988	780	680	507	1,967	1,022	2,988
2016-17	585	670	716	1,971	995	2,965	823	656	492	1,971	995	2,965
2017-18	567	675	717	1,959	979	2,938	798	672	489	1,959	975	2,938
2018-19	609	661	675	1,945	1,003	2,945	797	682	466	1,945	1,003	2,945
2019-20	651	664	696	2,011	988	2,996	869	698	444	2,011	989	2,996
2020-21	606	614	711	1,931	943	2,869	801	664	466	1,931	943	2,869
2021-22	631	629	702	1,962	912	2,871	835	635	492	1,962	911	2,871
2022-23	640	677	671	1,988	910	2,894	879	660	449	1,988	910	2,894
Projected												
2023-24	650	689	652	1,991	929	2,920	864	699	428	1,991	928	2,920
2024-25	663	711	677	2,051	920	2,971	893	712	445	2,050	919	2,970
2025-26	640	722	718	2,080	935	3,015	890	734	455	2,080	934	3,014
2026-27	686	723	730	2,139	914	3,053	900	745	494	2,139	913	3,053
2027-28	746	737	752	2,235	902	3,137	990	747	498	2,235	901	3,136
2028-29	784	713	765	2,262	957	3,219	1,013	760	490	2,263	957	3,220
2029-30	804	761	765	2,330	973	3,303	1,065	736	528	2,329	972	3,302
2030-31	778	827	780	2,385	1,003	3,388	1,088	786	511	2,385	1,003	3,388
2031-32	789	871	755	2,415	1,047	3,462	1,055	856	504	2,415	1,045	3,461
2032-33	787	890	807	2,484	1,021	3,505	1,066	899	519	2,484	1,020	3,504

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 18
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range									
2022-23*	640			677			671			1,988			910			2,894		
2023-24	585	650	715	620	689	758	587	652	717	1,792	1,991	2,190	883	929	975	2,675	2,920	3,165
2024-25	597	663	729	640	711	782	609	677	745	1,846	2,051	2,256	874	920	966	2,720	2,971	3,222
2025-26	576	640	704	650	722	794	646	718	790	1,872	2,080	2,288	888	935	982	2,760	3,015	3,270
2026-27	617	686	755	651	723	795	657	730	803	1,925	2,139	2,353	868	914	960	2,793	3,053	3,313
2027-28	671	746	821	663	737	811	677	752	827	2,011	2,235	2,459	857	902	947	2,868	3,137	3,406
2028-29	706	784	862	642	713	784	689	765	842	2,037	2,262	2,488	909	957	1,005	2,946	3,219	3,493
2029-30	724	804	884	685	761	837	689	765	842	2,098	2,330	2,563	924	973	1,022	3,022	3,303	3,585
2030-31	700	778	856	744	827	910	702	780	858	2,146	2,385	2,624	953	1,003	1,053	3,099	3,388	3,677
2031-32	710	789	868	784	871	958	680	755	831	2,174	2,415	2,657	995	1,047	1,099	3,169	3,462	3,756
2032-33	708	787	866	801	890	979	726	807	888	2,235	2,484	2,733	970	1,021	1,072	3,205	3,505	3,805

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	640			677			671			1,988			910			2,894		
2023-24	631	650	670	668	689	710	632	652	672	1,931	1,991	2,052	901	929	957	2,832	2,920	3,009
2024-25	643	663	683	690	711	732	657	677	697	1,990	2,051	2,112	892	920	948	2,882	2,971	3,060
2025-26	621	640	659	700	722	744	696	718	740	2,017	2,080	2,143	907	935	963	2,924	3,015	3,106
2026-27	665	686	707	701	723	745	708	730	752	2,074	2,139	2,204	887	914	941	2,961	3,053	3,145
2027-28	724	746	768	715	737	759	729	752	775	2,168	2,235	2,302	875	902	929	3,043	3,137	3,231
2028-29	760	784	808	692	713	734	742	765	788	2,194	2,262	2,330	928	957	986	3,122	3,219	3,316
2029-30	780	804	828	738	761	784	742	765	788	2,260	2,330	2,400	944	973	1,002	3,204	3,303	3,402
2030-31	755	778	801	802	827	852	757	780	803	2,314	2,385	2,456	973	1,003	1,033	3,287	3,388	3,489
2031-32	765	789	813	845	871	897	732	755	778	2,342	2,415	2,488	1,016	1,047	1,078	3,358	3,462	3,566
2032-33	763	787	811	863	890	917	783	807	831	2,409	2,484	2,559	990	1,021	1,052	3,399	3,505	3,611

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 18 - Alternative Grade Groups
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	879			660			449			1,988			910			2,894		
2023-24	778	864	951	629	699	769	385	428	471	1,792	1,991	2,191	883	929	975	2,675	2,920	3,166
2024-25	804	893	982	641	712	783	400	445	489	1,845	2,050	2,254	874	920	966	2,719	2,970	3,220
2025-26	801	890	979	661	734	808	409	455	500	1,871	2,080	2,287	888	935	982	2,759	3,015	3,269
2026-27	810	900	990	671	745	820	445	494	544	1,926	2,139	2,354	868	914	960	2,794	3,053	3,314
2027-28	891	990	1,089	672	747	821	448	498	548	2,011	2,235	2,458	857	902	947	2,868	3,137	3,405
2028-29	911	1,013	1,114	684	760	836	441	490	539	2,036	2,263	2,489	909	957	1,005	2,945	3,220	3,494
2029-30	958	1,065	1,171	663	736	810	475	528	581	2,096	2,329	2,562	924	973	1,022	3,020	3,302	3,584
2030-31	979	1,088	1,197	707	786	864	460	511	562	2,146	2,385	2,623	953	1,003	1,053	3,099	3,388	3,676
2031-32	950	1,055	1,161	770	856	941	454	504	555	2,174	2,415	2,657	995	1,047	1,099	3,169	3,462	3,756
2032-33	960	1,066	1,173	809	899	989	467	519	571	2,236	2,484	2,733	970	1,021	1,072	3,206	3,505	3,805

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	879			660			449			1,988			910			2,894		
2023-24	838	864	890	678	699	720	415	428	441	1,931	1,991	2,051	901	929	957	2,832	2,920	3,008
2024-25	866	893	920	691	712	734	432	445	458	1,989	2,050	2,112	892	920	948	2,881	2,970	3,060
2025-26	864	890	917	712	734	756	441	455	468	2,017	2,080	2,141	907	935	963	2,924	3,015	3,104
2026-27	873	900	927	723	745	767	479	494	509	2,075	2,139	2,203	887	914	941	2,962	3,053	3,144
2027-28	960	990	1,020	724	747	769	483	498	513	2,167	2,235	2,302	875	902	929	3,042	3,137	3,231
2028-29	982	1,013	1,043	737	760	783	475	490	504	2,194	2,263	2,330	928	957	986	3,122	3,220	3,316
2029-30	1,033	1,065	1,097	714	736	758	512	528	544	2,259	2,329	2,399	944	973	1,002	3,203	3,302	3,401
2030-31	1,056	1,088	1,121	762	786	809	496	511	526	2,314	2,385	2,456	973	1,003	1,033	3,287	3,388	3,489
2031-32	1,024	1,055	1,087	830	856	881	489	504	519	2,343	2,415	2,487	1,016	1,047	1,078	3,359	3,462	3,565
2032-33	1,034	1,066	1,098	872	899	926	503	519	534	2,409	2,484	2,558	990	1,021	1,052	3,399	3,505	3,610

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 19

Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Housing Impact HIGH Model

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
2006-07	135	10/12	202	10/13	199	1.474	0.985		64
2007-08	142	10/13	204	10/14	212	1.493	1.039		70
2008-09	138	10/14	207	10/15	209	1.514	1.010		71
2009-10	129	10/15	156	10/16	173	1.341	1.109		44
2010-11	135	10/16	193	10/17	199	1.474	1.031		64
2011-12	129	10/17	186	10/18	187	1.450	1.005		58
2012-13	150	10/18	209	10/19	223	1.487	1.067		73
2013-14	167	10/19	238	10/20	221	1.323	0.929		54
2014-15	158	10/20	179	10/21	195	1.234	1.089		37
2015-16	157	10/21	199	10/22	213	1.357	1.070		56
2016-17	138	10/22	218	10/23		1.704	1.079	235	97
2017-18	142	10/23		10/24		1.428		203	61
2018-19	162	10/24		10/25		1.428		231	69
2019-20	151	10/25		10/26		1.438		217	66
2020-21	174	10/26		10/27		1.431		249	75
2021-22*	207	10/27		10/28		1.423		295	88
2022-23 est	177	10/28		10/29		1.424		253	75
2023-24 est	186	10/29		10/30		1.417		264	78
2024-25 est	190	10/30		10/31		1.411		268	78
2025-26 est	185	10/31		10/32		1.406		259	75
10yr Total (07-16)	1,440	10yr Total (12-21)	1,973	10yr Total (13-22)	2,031	1.410	1.029	Last 10yr	59.1
10yr Avg (07-16)	144	10yr Avg (12-21)	197	10yr Avg (13-22)	203	1.415	1.029	Last 5yr	55.6
5yr Avg (18-22)	167							Last 3yr	49.0
5yr Max (18-22)	207							Proj.	76.2
5yr Min (18-22)	142								
3 yr Avg (20-22)	177								
2 yr Avg (21-22)	191								

First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients	
10 YEAR	0.676	10 YEAR	0.885
9 YEAR	0.677	9 YEAR	0.898
8 YEAR	0.708	8 YEAR	0.898
7 YEAR	0.764	7 YEAR	0.896
6 YEAR	0.668	6 YEAR	0.811
5 YEAR	0.648	5 YEAR	0.804
4 YEAR	-0.030	4 YEAR	0.821
3 YEAR	0.673	3 YEAR	0.920

Ratios	1st/Birth	1st/K
Avg last 10	1.415	1.033
Avg last 9	1.408	1.039
Avg last 8	1.398	1.039
Avg last 7	1.381	1.043
Avg last 6	1.388	1.032
Avg last 5	1.370	1.032
Avg last 4	1.350	1.039
Avg last 3	1.305	1.029
10yr Weighted	1.384	1.038
5yr Weighted	1.341	1.042
3yr Weighted	1.310	1.053

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... *2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

Appendix Table 20

Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model

School Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																			
2012-13	202	206	216	241	240	261	286	243	276	253	242	278	280	624	742	805	2,171	1,053	3,224
2013-14	204	199	225	211	252	240	267	282	234	255	249	241	283	628	703	783	2,114	1,028	3,142
2014-15	207	212	198	223	223	250	247	263	289	226	258	260	254	617	696	799	2,112	998	3,110
2015-16	156	209	216	199	222	218	240	244	262	263	228	259	271	581	639	746	1,966	1,021	2,987
2016-17	193	173	219	238	206	226	224	247	244	249	261	227	257	585	670	715	1,970	994	2,964
2017-18	186	199	181	231	238	206	228	238	251	230	250	257	238	566	675	717	1,958	975	2,933
2018-19	209	187	212	188	237	235	209	228	236	247	238	250	266	608	660	673	1,941	1,001	2,942
2019-20	238	223	188	218	203	242	252	213	229	237	251	243	256	649	663	694	2,006	987	2,993
2020-21	179	221	206	195	207	209	245	253	211	214	228	253	246	606	611	709	1,926	941	2,867
2021-22	199	195	235	204	210	213	210	246	245	207	222	227	254	629	627	701	1,957	910	2,867
2022-23	218	213	208	239	218	218	222	207	240	240	211	222	235	639	675	669	1,983	908	2,891
Projected																			
2023-24	199	235	225	215	249	226	224	223	204	239	249	213	228	659	690	651	2,000	929	2,929
2024-25	228	203	249	233	224	259	234	226	221	205	249	252	220	680	716	681	2,077	926	3,003
2025-26	215	231	216	258	244	235	267	237	225	222	214	253	261	662	737	729	2,128	950	3,078
2026-27	247	217	247	226	271	256	244	271	236	227	234	220	263	711	753	751	2,215	944	3,159
2027-28	291	249	232	257	238	284	265	248	270	238	239	239	229	772	779	783	2,334	945	3,279
2028-29	250	295	265	242	270	250	294	269	247	272	250	244	249	810	762	810	2,382	1,015	3,397
2029-30	260	253	312	275	254	282	258	297	267	248	283	254	253	825	811	822	2,458	1,038	3,496
2030-31	264	264	267	322	287	264	290	260	293	267	258	287	262	795	873	843	2,511	1,074	3,585
2031-32	254	268	277	275	334	297	271	292	256	292	276	260	294	799	906	819	2,524	1,122	3,646
2032-33	254	259	281	285	284	345	304	271	286	254	301	277	266	794	914	861	2,569	1,098	3,667

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 20 - Alternative Grade Groups												
Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model												
School Year	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	742	805	2,171	1,053	3,224	865	787	519	2,171	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	839	759	516	2,114	1,028	3,142
2014-15	617	696	799	2,112	998	3,110	840	720	552	2,112	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	780	680	506	1,966	1,021	2,987
2016-17	585	670	715	1,970	994	2,964	823	656	491	1,970	994	2,964
2017-18	566	675	717	1,958	975	2,933	797	672	489	1,958	975	2,933
2018-19	608	660	673	1,941	1,001	2,942	796	681	464	1,941	1,001	2,942
2019-20	649	663	694	2,006	987	2,993	867	697	442	2,006	987	2,993
2020-21	606	611	709	1,926	941	2,867	801	661	464	1,926	941	2,867
2021-22	629	627	701	1,957	910	2,867	833	633	491	1,957	910	2,867
2022-23	639	675	669	1,983	908	2,891	878	658	447	1,983	908	2,891
Projected												
2023-24	659	690	652	2,000	929	2,929	873	699	428	2,000	929	2,929
2024-25	679	716	681	2,076	926	3,001	912	717	447	2,076	926	3,001
2025-26	662	737	729	2,128	951	3,079	920	746	462	2,128	951	3,079
2026-27	711	753	751	2,215	944	3,158	936	771	507	2,215	944	3,158
2027-28	772	779	783	2,334	945	3,279	1,029	787	518	2,334	945	3,279
2028-29	810	762	811	2,382	1,014	3,396	1,052	814	516	2,382	1,014	3,396
2029-30	824	811	822	2,457	1,038	3,495	1,099	794	564	2,457	1,038	3,495
2030-31	794	872	844	2,510	1,073	3,583	1,116	841	554	2,510	1,073	3,583
2031-32	800	906	819	2,524	1,122	3,646	1,075	902	548	2,524	1,122	3,646
2032-33	795	914	861	2,570	1,098	3,668	1,079	933	557	2,570	1,098	3,668

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

Appendix Table 21

Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Housing Impact HIGH Model

School Year	Resident Students Attending District Schools						Resident Students at NON-District Schools						Total ALL Scarborough Students			
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8
Historical																
2012-13	624	742	805	2,171	1,053	3,224	1	1	0	2	10	12	625	743	805	2,173
2013-14	628	703	783	2,114	1,028	3,142	2	2	1	5	12	17	630	705	784	2,119
2014-15	617	696	799	2,112	998	3,110	2	1	3	6	16	22	619	697	802	2,118
2015-16	581	639	746	1,966	1,021	2,987	2	1	4	7	32	39	583	640	750	1,973
2016-17	585	670	715	1,970	994	2,964	1	2	2	5	42	47	586	672	717	1,975
2017-18	566	675	717	1,958	975	2,933	4	1	5	10	43	53	570	676	722	1,968
2018-19	608	660	673	1,941	1,001	2,942	3	6	3	12	41	53	611	666	676	1,953
2019-20	649	663	694	2,006	987	2,993	5	1	8	14	43	57	654	664	702	2,020
2020-21	606	611	709	1,926	941	2,867	8	2	10	20	46	66	614	613	719	1,946
2021-22	629	627	701	1,957	910	2,867	7	3	10	20	42	62	636	630	711	1,977
2022-23	639	675	669	1,983	908	2,891	7	9	7	23	38	61	646	684	676	2,006
Projected																
2023-24	659	690	651	2,000	929	2,929	7	6	9	23	41	64	666	696	660	2,023
2024-25	680	716	681	2,077	926	3,003	8	6	10	23	40	63	688	722	691	2,100
2025-26	662	737	729	2,128	950	3,078	7	6	10	24	40	64	669	743	739	2,152
2026-27	711	753	751	2,215	944	3,159	8	6	10	24	39	63	719	759	761	2,239
2027-28	772	779	783	2,334	945	3,279	9	6	10	25	38	63	781	785	793	2,359
2028-29	810	762	810	2,382	1,015	3,397	9	6	10	26	40	66	819	768	820	2,408
2029-30	825	811	822	2,458	1,038	3,496	9	7	10	26	41	67	834	818	832	2,484
2030-31	795	873	843	2,511	1,074	3,585	9	7	10	26	42	68	804	880	853	2,537
2031-32	799	906	819	2,524	1,122	3,646	9	8	10	26	43	69	808	914	829	2,550
2032-33	794	914	861	2,569	1,098	3,667	9	8	11	27	41	68	803	922	872	2,596

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 22
All Scarborough Resident Students - 2022-23 Housing Impact HIGH Model

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	646			684			676			2,006			946			2,952		
2023-24	600	666	733	627	696	766	594	660	726	1,821	2,023	2,225	922	970	1,019	2,743	2,993	3,244
2024-25	619	688	756	650	722	795	621	691	760	1,890	2,100	2,311	918	966	1,014	2,808	3,066	3,325
2025-26	602	669	736	669	743	818	665	739	813	1,936	2,152	2,367	941	990	1,040	2,877	3,142	3,407
2026-27	647	719	791	683	759	835	685	761	837	2,015	2,239	2,463	934	983	1,032	2,949	3,222	3,495
2027-28	703	781	859	707	785	864	714	793	873	2,124	2,359	2,596	934	983	1,032	3,058	3,342	3,628
2028-29	737	819	901	691	768	845	738	820	902	2,166	2,408	2,648	1,002	1,055	1,108	3,168	3,463	3,756
2029-30	751	834	918	736	818	899	749	832	915	2,236	2,484	2,732	1,025	1,079	1,133	3,261	3,563	3,865
2030-31	723	804	884	792	880	968	768	853	939	2,283	2,537	2,791	1,060	1,116	1,172	3,343	3,653	3,963
2031-32	727	808	888	822	914	1,005	746	829	912	2,295	2,550	2,805	1,107	1,165	1,223	3,402	3,715	4,028
2032-33	722	803	883	829	922	1,014	785	872	959	2,336	2,596	2,856	1,082	1,139	1,196	3,418	3,735	4,052

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	646			684			676			2,006			946			2,952		
2023-24	646	666	686	675	696	717	640	660	680	1,961	2,023	2,083	941	970	999	2,902	2,993	3,082
2024-25	667	688	708	701	722	744	670	691	711	2,038	2,100	2,163	937	966	995	2,975	3,066	3,158
2025-26	649	669	689	721	743	766	717	739	761	2,087	2,152	2,216	960	990	1,020	3,047	3,142	3,236
2026-27	697	719	740	736	759	782	738	761	784	2,171	2,239	2,306	954	983	1,012	3,125	3,222	3,318
2027-28	757	781	804	762	785	809	770	793	817	2,289	2,359	2,430	954	983	1,012	3,243	3,342	3,442
2028-29	794	819	844	745	768	791	796	820	845	2,335	2,408	2,480	1,023	1,055	1,087	3,358	3,463	3,567
2029-30	809	834	859	793	818	842	807	832	857	2,409	2,484	2,558	1,047	1,079	1,111	3,456	3,563	3,669
2030-31	780	804	828	854	880	907	828	853	879	2,462	2,537	2,614	1,083	1,116	1,149	3,545	3,653	3,763
2031-32	783	808	832	886	914	941	804	829	854	2,473	2,550	2,627	1,130	1,165	1,200	3,603	3,715	3,827
2032-33	779	803	827	894	922	949	846	872	898	2,519	2,596	2,674	1,105	1,139	1,173	3,624	3,735	3,847

Notes: Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 23

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model

School Year	Resident Students Attending District Schools						NON-Resident Students at District Schools						Total ALL Attending Students					
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12
Historical																		
2012-13	624	742	805	2,171	1,053	3,224	0	1	0	1	0	0	624	743	805	2,172	1,053	3,224
2013-14	628	703	783	2,114	1,028	3,142	0	0	1	1	1	1	628	703	784	2,115	1,029	3,143
2014-15	617	696	799	2,112	998	3,110	0	1	0	1	0	0	617	697	799	2,113	998	3,110
2015-16	581	639	746	1,966	1,021	2,987	0	0	1	1	1	1	581	639	747	1,967	1,022	2,988
2016-17	585	670	715	1,970	994	2,964	0	0	1	1	1	1	585	670	716	1,971	995	2,965
2017-18	566	675	717	1,958	975	2,933	1	0	0	1	4	5	567	675	717	1,959	979	2,938
2018-19	608	660	673	1,941	1,001	2,942	1	1	2	4	2	3	609	661	675	1,945	1,003	2,945
2019-20	649	663	694	2,006	987	2,993	2	1	2	5	1	3	651	664	696	2,011	988	2,996
2020-21	606	611	709	1,926	941	2,867	0	3	2	5	2	2	606	614	711	1,931	943	2,869
2021-22	629	627	701	1,957	910	2,867	2	2	1	5	2	4	631	629	702	1,962	912	2,871
2022-23	639	675	669	1,983	908	2,891	1	2	2	5	2	3	640	677	671	1,988	910	2,894
Projected																		
2023-24	659	690	651	2,000	929	2,929	1	1	1	3	2	5	660	691	652	2,003	931	2,934
2024-25	680	716	681	2,077	926	3,003	1	1	1	3	2	5	681	717	682	2,080	928	3,008
2025-26	662	737	729	2,128	950	3,078	1	1	1	3	2	5	663	738	730	2,131	952	3,083
2026-27	711	753	751	2,215	944	3,159	2	1	1	4	2	6	713	754	752	2,219	946	3,165
2027-28	772	779	783	2,334	945	3,279	2	1	1	4	2	6	774	780	784	2,338	947	3,285
2028-29	810	762	810	2,382	1,015	3,397	2	1	1	4	2	6	812	763	811	2,386	1,017	3,403
2029-30	825	811	822	2,458	1,038	3,496	2	1	1	4	2	6	827	812	823	2,462	1,040	3,502
2030-31	795	873	843	2,511	1,074	3,585	2	1	2	5	2	7	797	874	845	2,516	1,076	3,592
2031-32	799	906	819	2,524	1,122	3,646	2	2	1	5	2	7	801	908	820	2,529	1,124	3,653
2032-33	794	914	861	2,569	1,098	3,667	2	2	2	6	2	8	796	916	863	2,575	1,100	3,675

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 23 - Alternative Grade Groups

Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model

School Year	Total ALL Attending Students											
	Total K-2	Total 3-5	Total 6-8	Total K-8	Total 9-12	Total K-12	Total K-3	Total 4-6	Total 7-8	Total K-8	Total 9-12	Total K-12
Historical												
2012-13	624	743	805	2,172	1,053	3,224	865	788	519	2,172	1,053	3,224
2013-14	628	703	784	2,115	1,029	3,143	839	759	517	2,115	1,029	3,143
2014-15	617	697	799	2,113	998	3,110	840	721	552	2,113	998	3,110
2015-16	581	639	747	1,967	1,022	2,988	780	680	507	1,967	1,022	2,988
2016-17	585	670	716	1,971	995	2,965	823	656	492	1,971	995	2,965
2017-18	567	675	717	1,959	979	2,938	798	672	489	1,959	975	2,938
2018-19	609	661	675	1,945	1,003	2,945	797	682	466	1,945	1,003	2,945
2019-20	651	664	696	2,011	988	2,996	869	698	444	2,011	989	2,996
2020-21	606	614	711	1,931	943	2,869	801	664	466	1,931	943	2,869
2021-22	631	629	702	1,962	912	2,871	835	635	492	1,962	911	2,871
2022-23	640	677	671	1,988	910	2,894	879	660	449	1,988	910	2,894
Projected												
2023-24	660	691	652	2,003	931	2,934	874	700	429	2,003	930	2,934
2024-25	681	717	682	2,080	928	3,008	913	718	448	2,079	927	3,006
2025-26	663	738	730	2,131	952	3,083	921	747	463	2,131	952	3,084
2026-27	713	754	752	2,219	946	3,165	938	772	508	2,219	945	3,164
2027-28	774	780	784	2,338	947	3,285	1,031	788	519	2,338	946	3,285
2028-29	812	763	811	2,386	1,017	3,403	1,054	815	517	2,386	1,015	3,402
2029-30	827	812	823	2,462	1,040	3,502	1,101	795	565	2,461	1,039	3,501
2030-31	797	874	845	2,516	1,076	3,592	1,118	842	556	2,515	1,075	3,590
2031-32	801	908	820	2,529	1,124	3,653	1,077	904	549	2,529	1,123	3,653
2032-33	796	916	863	2,575	1,100	3,675	1,081	935	559	2,576	1,100	3,676

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools
 2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

**Appendix Table 24
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	640			677			671			1,988			910			2,894		
2023-24	594	660	726	622	691	760	587	652	717	1,803	2,003	2,203	884	931	978	2,687	2,934	3,181
2024-25	613	681	749	645	717	789	614	682	750	1,872	2,080	2,288	882	928	974	2,754	3,008	3,262
2025-26	597	663	729	664	738	812	657	730	803	1,918	2,131	2,344	904	952	1,000	2,822	3,083	3,344
2026-27	642	713	784	679	754	829	677	752	827	1,998	2,219	2,440	899	946	993	2,897	3,165	3,433
2027-28	697	774	851	702	780	858	706	784	862	2,105	2,338	2,571	900	947	994	3,005	3,285	3,565
2028-29	731	812	893	687	763	839	730	811	892	2,148	2,386	2,624	966	1,017	1,068	3,114	3,403	3,692
2029-30	744	827	910	731	812	893	741	823	905	2,216	2,462	2,708	988	1,040	1,092	3,204	3,502	3,800
2030-31	717	797	877	787	874	961	761	845	930	2,265	2,516	2,768	1,022	1,076	1,130	3,287	3,592	3,898
2031-32	721	801	881	817	908	999	738	820	902	2,276	2,529	2,782	1,068	1,124	1,180	3,344	3,653	3,962
2032-33	716	796	876	824	916	1,008	777	863	949	2,317	2,575	2,833	1,045	1,100	1,155	3,362	3,675	3,988

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-2			Grades 3-5			Grades 6-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%									
2022-23*	640			677			671			1,988			910			2,894		
2023-24	640	660	680	670	691	712	632	652	672	1,942	2,003	2,064	903	931	959	2,845	2,934	3,023
2024-25	661	681	701	695	717	739	662	682	702	2,018	2,080	2,142	900	928	956	2,918	3,008	3,098
2025-26	643	663	683	716	738	760	708	730	752	2,067	2,131	2,195	923	952	981	2,990	3,083	3,176
2026-27	692	713	734	731	754	777	729	752	775	2,152	2,219	2,286	918	946	974	3,070	3,165	3,260
2027-28	751	774	797	757	780	803	760	784	808	2,268	2,338	2,408	919	947	975	3,187	3,285	3,383
2028-29	788	812	836	740	763	786	787	811	835	2,315	2,386	2,457	986	1,017	1,048	3,301	3,403	3,505
2029-30	802	827	852	788	812	836	798	823	848	2,388	2,462	2,536	1,009	1,040	1,071	3,397	3,502	3,607
2030-31	773	797	821	848	874	900	820	845	870	2,441	2,516	2,591	1,044	1,076	1,108	3,485	3,592	3,699
2031-32	777	801	825	881	908	935	795	820	845	2,453	2,529	2,605	1,090	1,124	1,158	3,543	3,653	3,763
2032-33	772	796	820	889	916	943	837	863	889	2,498	2,575	2,652	1,067	1,100	1,133	3,565	3,675	3,785

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 24 - Alternative Grade Groups
Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-5%	Proj.	+5%	-Range	Proj.	+Range
2022-23*	879			660			449			1,988			910			2,894		
2023-24	787	874	962	630	700	770	386	429	471	1,803	2,003	2,203	884	931	978	2,687	2,934	3,181
2024-25	821	913	1,004	646	718	789	404	448	493	1,871	2,079	2,286	882	928	974	2,753	3,007	3,260
2025-26	829	921	1,014	672	747	822	416	463	509	1,917	2,131	2,345	904	952	1,000	2,821	3,083	3,345
2026-27	844	938	1,032	695	772	849	457	508	559	1,996	2,219	2,440	899	946	993	2,895	3,165	3,433
2027-28	928	1,031	1,134	709	788	867	467	519	571	2,104	2,338	2,572	900	947	994	3,004	3,285	3,566
2028-29	948	1,054	1,159	734	815	897	466	517	569	2,148	2,386	2,625	966	1,017	1,068	3,114	3,403	3,693
2029-30	991	1,101	1,211	715	795	874	509	565	622	2,215	2,461	2,707	988	1,040	1,092	3,203	3,501	3,799
2030-31	1,006	1,118	1,229	758	842	926	500	556	611	2,264	2,515	2,766	1,022	1,076	1,130	3,286	3,591	3,896
2031-32	969	1,077	1,184	813	904	994	494	549	604	2,276	2,529	2,782	1,068	1,124	1,180	3,344	3,653	3,962
2032-33	973	1,081	1,190	841	935	1,028	503	559	615	2,317	2,576	2,833	1,045	1,100	1,155	3,362	3,676	3,988

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment

School Year	Grades K-3			Grades 4-6			Grades 7-8			Grades K-8			Grades 9-12			Total All Grades K-12		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	879			660			449			1,988			910			2,894		
2023-24	848	874	901	679	700	721	416	429	441	1,943	2,003	2,063	903	931	959	2,846	2,934	3,022
2024-25	885	913	940	696	718	739	435	448	462	2,016	2,079	2,141	900	928	956	2,916	3,007	3,097
2025-26	894	921	949	725	747	770	449	463	476	2,068	2,131	2,195	923	952	981	2,991	3,083	3,176
2026-27	910	938	966	749	772	795	493	508	523	2,152	2,219	2,284	918	946	974	3,070	3,165	3,258
2027-28	1,000	1,031	1,062	765	788	812	503	519	534	2,268	2,338	2,408	919	947	975	3,187	3,285	3,383
2028-29	1,022	1,054	1,085	791	815	840	502	517	533	2,315	2,386	2,458	986	1,017	1,048	3,301	3,403	3,506
2029-30	1,068	1,101	1,134	771	795	819	548	565	582	2,387	2,461	2,535	1,009	1,040	1,071	3,396	3,501	3,606
2030-31	1,084	1,118	1,151	817	842	867	539	556	572	2,440	2,515	2,590	1,044	1,076	1,108	3,484	3,591	3,698
2031-32	1,044	1,077	1,109	877	904	931	532	549	565	2,453	2,529	2,605	1,090	1,124	1,158	3,543	3,653	3,763
2032-33	1,049	1,081	1,114	907	935	963	543	559	576	2,499	2,576	2,653	1,067	1,100	1,133	3,566	3,676	3,786

Notes: Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 25

Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Models

School Year	Pleasant Hill				Blue Point				Eight Corners				Total K-2			
	Best Fit	Best Fit + Covid Adj	Housing Impact	Housing Impact HIGH	Best Fit	Best Fit + Covid Adj	Housing Impact	Housing Impact HIGH	Best Fit	Best Fit + Covid Adj	Housing Impact	Housing Impact HIGH	Best Fit	Best Fit + Covid Adj	Housing Impact	Housing Impact HIGH
Historical																
2022-23	197				215				227				639			
Projected																
2023-24	195	197	197	198	212	219	220	226	226	230	232	237	633	646	649	661
2024-25	203	207	207	209	205	211	214	221	236	238	241	250	644	656	662	680
2025-26	194	194	194	197	209	213	215	227	226	227	230	241	629	634	639	665
2026-27	205	208	208	212	224	228	230	243	243	243	246	258	672	679	684	713
2027-28	225	227	227	232	244	248	250	263	264	264	267	280	733	739	744	775
2028-29	236	238	238	243	258	263	264	277	277	277	280	292	771	778	782	812
2029-30	239	244	244	247	259	269	271	282	279	283	287	297	777	796	802	826
2030-31	227	237	237	239	246	261	262	271	262	273	277	286	735	771	776	796
2031-32	227	241	241	242	246	264	266	273	262	277	280	287	735	782	787	802
2032-33	227	240	240	241	246	262	265	270	262	277	280	286	735	779	785	797

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 26

Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model

School Year	Pleasant Hill				Blue Point				Eight Corners				Total			
	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2
Historical																
2012-13	42	55	57	154	81	73	70	224	79	78	89	246	202	206	216	624
2013-14	59	48	58	165	68	81	81	230	77	70	86	233	204	199	225	628
2014-15	61	61	51	173	79	66	78	223	67	85	69	221	207	212	198	617
2015-16	51	60	62	173	42	78	70	190	63	71	84	218	156	209	216	581
2016-17	60	52	60	172	63	49	78	190	70	72	81	223	193	173	219	585
2017-18	56	60	55	171	60	63	49	172	70	76	77	223	186	199	181	566
2018-19	70	53	65	188	62	66	69	197	77	68	78	223	209	187	212	608
2019-20	76	73	56	205	72	70	59	201	90	80	73	243	238	223	188	649
2020-21	48	71	65	184	65	74	59	198	66	76	82	224	179	221	206	606
2021-22	58	60	74	192	73	62	72	207	68	73	89	230	199	195	235	629
2022-23	71	60	66	197	63	83	69	215	84	70	73	227	218	213	208	639
Projected																
2023-24	58	74	63	195	63	67	82	212	69	83	74	226	190	224	219	633
2024-25	66	60	77	203	72	67	66	205	79	69	88	236	217	196	231	644
2025-26	63	68	63	194	66	77	66	209	74	79	73	226	203	224	202	629
2026-27	71	64	70	205	77	71	76	224	85	74	84	243	233	209	230	672
2027-28	85	73	67	225	92	82	70	244	101	85	78	264	278	240	215	733
2028-29	73	87	76	236	79	98	81	258	86	101	90	277	238	286	247	771
2029-30	73	75	91	239	79	84	96	259	86	86	107	279	238	245	294	777
2030-31	73	75	79	227	79	84	83	246	86	86	90	262	238	245	252	735
2031-32	73	75	79	227	79	84	83	246	86	86	90	262	238	245	252	735
2032-33	73	75	79	227	79	84	83	246	86	86	90	262	238	245	252	735

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 27
All Scarborough Resident Students - 2022-23 Best Fit Model

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-Range	Proj.	+Range
2022-23*	197			215			227			640		
2023-24	176	195	215	191	212	233	203	226	249	570	633	697
2024-25	183	203	223	185	205	226	212	236	260	580	644	709
2025-26	175	194	213	188	209	230	203	226	249	566	629	692
2026-27	185	205	226	202	224	246	219	243	267	606	672	739
2027-28	203	225	248	220	244	268	238	264	290	661	733	806
2028-29	212	236	260	232	258	284	249	277	305	693	771	849
2029-30	215	239	263	233	259	285	251	279	307	699	777	855
2030-31	204	227	250	221	246	271	236	262	288	661	735	809
2031-32	204	227	250	221	246	271	236	262	288	661	735	809
2032-33	204	227	250	221	246	271	236	262	288	661	735	809

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	197			215			227			640		
2023-24	189	195	201	206	212	218	219	226	233	614	633	652
2024-25	197	203	209	199	205	211	229	236	243	625	644	663
2025-26	188	194	200	203	209	215	219	226	233	610	629	648
2026-27	199	205	211	217	224	231	236	243	250	652	672	692
2027-28	218	225	232	237	244	251	256	264	272	711	733	755
2028-29	229	236	243	250	258	266	269	277	285	748	771	794
2029-30	232	239	246	251	259	267	271	279	287	754	777	800
2030-31	220	227	234	239	246	253	254	262	270	713	735	757
2031-32	220	227	234	239	246	253	254	262	270	713	735	757
2032-33	220	227	234	239	246	253	254	262	270	713	735	757

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.
 2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

Appendix Table 28

Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model + COVID ADJUSTMENT

School Year	Pleasant Hill				Blue Point				Eight Corners				Total			
	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2
Historical																
2012-13	42	55	57	154	81	73	70	224	79	78	89	246	202	206	216	625
2013-14	59	48	58	165	68	81	81	230	77	70	86	233	204	199	225	629
2014-15	61	61	51	173	79	66	78	223	67	85	69	221	207	212	198	618
2015-16	51	60	62	173	42	78	70	190	63	71	84	218	156	209	216	582
2016-17	60	52	60	172	63	49	78	190	70	72	81	223	193	173	219	586
2017-18	56	60	55	171	60	63	49	172	70	76	77	223	186	199	181	567
2018-19	70	53	65	188	62	66	69	197	77	68	78	223	209	187	212	609
2019-20	76	73	56	205	72	70	59	201	90	80	73	243	238	223	188	650
2020-21	48	71	65	184	65	74	59	198	66	76	82	224	179	221	206	607
2021-22	58	60	74	192	73	62	72	207	68	73	89	230	199	195	235	630
2022-23	71	60	66	197	63	83	69	215	84	70	73	227	218	213	208	640
Projected																
2023-24	57	76	64	197	65	69	85	219	71	85	74	230	193	230	223	646
2024-25	66	60	81	207	74	67	70	211	80	69	89	238	220	196	240	656
2025-26	62	68	64	194	68	77	68	213	75	79	73	227	205	224	205	634
2026-27	71	64	73	208	79	71	78	228	86	74	83	243	236	209	234	679
2027-28	85	73	69	227	94	82	72	248	102	85	77	264	281	240	218	739
2028-29	73	87	78	238	81	98	84	263	87	101	89	277	241	286	251	778
2029-30	76	75	93	244	85	84	100	269	91	86	106	283	252	245	299	796
2030-31	78	79	80	237	87	88	86	261	93	90	90	273	258	257	256	771
2031-32	75	81	85	241	84	90	90	264	91	92	94	277	250	263	269	782
2032-33	75	78	87	240	84	87	91	262	91	90	96	277	250	255	274	779

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 29
All Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-Range	Proj.	+Range
2022-23*	197			215			227			640		
2023-24	177	197	217	197	219	241	207	230	253	581	646	711
2024-25	186	207	228	190	211	232	214	238	262	590	656	722
2025-26	175	194	213	192	213	234	204	227	250	571	634	697
2026-27	187	208	229	205	228	251	219	243	267	611	679	747
2027-28	204	227	250	223	248	273	238	264	290	665	739	813
2028-29	214	238	262	237	263	289	249	277	305	700	778	856
2029-30	220	244	268	242	269	296	255	283	311	717	796	875
2030-31	213	237	261	235	261	287	246	273	300	694	771	848
2031-32	217	241	265	238	264	290	249	277	305	704	782	860
2032-33	216	240	264	236	262	288	249	277	305	701	779	857

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	197			215			227			640		
2023-24	191	197	203	212	219	226	223	230	237	626	646	666
2024-25	201	207	213	205	211	217	231	238	245	637	656	675
2025-26	188	194	200	207	213	219	220	227	234	615	634	653
2026-27	202	208	214	221	228	235	236	243	250	659	679	699
2027-28	220	227	234	241	248	255	256	264	272	717	739	761
2028-29	231	238	245	255	263	271	269	277	285	755	778	801
2029-30	237	244	251	261	269	277	275	283	291	773	796	819
2030-31	230	237	244	253	261	269	265	273	281	748	771	794
2031-32	234	241	248	256	264	272	269	277	285	759	782	805
2032-33	233	240	247	254	262	270	269	277	285	756	779	802

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.
2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
Data produced by Wandell Consulting

Appendix Table 30

Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model

School Year	Pleasant Hill				Blue Point				Eight Corners				Total			
	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2
Historical																
2012-13	42	55	57	154	81	73	70	224	79	78	89	246	202	206	216	625
2013-14	59	48	58	165	68	81	81	230	77	70	86	233	204	199	225	629
2014-15	61	61	51	173	79	66	78	223	67	85	69	221	207	212	198	618
2015-16	51	60	62	173	42	78	70	190	63	71	84	218	156	209	216	582
2016-17	60	52	60	172	63	49	78	190	70	72	81	223	193	173	219	586
2017-18	56	60	55	171	60	63	49	172	70	76	77	223	186	199	181	567
2018-19	70	53	65	188	62	66	69	197	77	68	78	223	209	187	212	609
2019-20	76	73	56	205	72	70	59	201	90	80	73	243	238	223	188	650
2020-21	48	71	65	184	65	74	59	198	66	76	82	224	179	221	206	607
2021-22	58	60	74	192	73	62	72	207	68	73	89	230	199	195	235	630
2022-23	71	60	66	197	63	83	69	215	84	70	73	227	218	213	208	640
Projected																
2023-24	57	76	64	197	66	69	85	220	71	86	75	232	194	231	224	649
2024-25	66	60	81	207	75	68	71	214	80	70	91	241	221	198	243	662
2025-26	62	68	64	194	69	77	69	215	75	80	75	230	206	225	208	639
2026-27	71	64	73	208	80	71	79	230	86	75	85	246	237	210	237	684
2027-28	85	73	69	227	94	83	73	250	102	86	79	267	281	242	221	744
2028-29	73	87	78	238	81	98	85	264	87	102	91	280	241	287	254	782
2029-30	76	75	93	244	86	84	101	271	91	88	108	287	253	247	302	802
2030-31	78	79	80	237	87	88	87	262	93	92	92	277	258	259	259	776
2031-32	75	81	85	241	85	90	91	266	91	93	96	280	251	264	272	787
2032-33	75	78	87	240	85	87	93	265	91	91	98	280	251	256	278	785

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 31
All Scarborough Resident Students - 2022-23 Housing Impact Model**

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-Range	Proj.	+Range
2022-23*	197			215			227			640		
2023-24	177	197	217	198	220	242	209	232	255	584	649	714
2024-25	186	207	228	193	214	235	217	241	265	596	662	728
2025-26	175	194	213	194	215	237	207	230	253	576	639	703
2026-27	187	208	229	207	230	253	221	246	271	615	684	753
2027-28	204	227	250	225	250	275	240	267	294	669	744	819
2028-29	214	238	262	238	264	290	252	280	308	704	782	860
2029-30	220	244	268	244	271	298	258	287	316	722	802	882
2030-31	213	237	261	236	262	288	249	277	305	698	776	854
2031-32	217	241	265	239	266	293	252	280	308	708	787	866
2032-33	216	240	264	239	265	292	252	280	308	707	785	864

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	197			215			227			640		
2023-24	191	197	203	213	220	227	225	232	239	629	649	669
2024-25	201	207	213	208	214	220	234	241	248	643	662	681
2025-26	188	194	200	209	215	221	223	230	237	620	639	658
2026-27	202	208	214	223	230	237	239	246	253	664	684	704
2027-28	220	227	234	243	250	258	259	267	275	722	744	767
2028-29	231	238	245	256	264	272	272	280	288	759	782	805
2029-30	237	244	251	263	271	279	278	287	296	778	802	826
2030-31	230	237	244	254	262	270	269	277	285	753	776	799
2031-32	234	241	248	258	266	274	272	280	288	764	787	810
2032-33	233	240	247	257	265	273	272	280	288	762	785	808

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.
2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
Data produced by Wandell Consulting

Appendix Table 32

Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model

School Year	Pleasant Hill				Blue Point				Eight Corners				Total			
	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2	K	1st	2nd	Total K-2
Historical																
2012-13	42	55	57	154	81	73	70	224	79	78	89	246	202	206	216	625
2013-14	59	48	58	165	68	81	81	230	77	70	86	233	204	199	225	629
2014-15	61	61	51	173	79	66	78	223	67	85	69	221	207	212	198	618
2015-16	51	60	62	173	42	78	70	190	63	71	84	218	156	209	216	582
2016-17	60	52	60	172	63	49	78	190	70	72	81	223	193	173	219	586
2017-18	56	60	55	171	60	63	49	172	70	76	77	223	186	199	181	567
2018-19	70	53	65	188	62	66	69	197	77	68	78	223	209	187	212	609
2019-20	76	73	56	205	72	70	59	201	90	80	73	243	238	223	188	650
2020-21	48	71	65	184	65	74	59	198	66	76	82	224	179	221	206	607
2021-22	58	60	74	192	73	62	72	207	68	73	89	230	199	195	235	630
2022-23	71	60	66	197	63	83	69	215	84	70	73	227	218	213	208	640
Projected																
2023-24	58	76	64	198	69	71	86	226	73	89	75	237	200	236	225	661
2024-25	67	61	81	209	78	69	74	221	83	73	94	250	228	203	249	680
2025-26	63	69	65	197	74	80	73	227	79	83	79	241	216	232	217	665
2026-27	73	65	74	212	85	74	84	243	90	79	89	258	248	218	247	713
2027-28	87	74	71	232	99	86	78	263	106	90	84	280	292	250	233	775
2028-29	75	88	80	243	86	101	90	277	90	106	96	292	251	295	266	812
2029-30	77	76	94	247	90	86	106	282	94	91	112	297	261	253	312	826
2030-31	79	79	81	239	90	90	91	271	95	95	96	286	264	264	268	796
2031-32	76	81	85	242	87	92	94	273	92	96	99	287	255	269	278	802
2032-33	76	78	87	241	87	88	95	270	92	94	100	286	255	260	282	797

Notes: Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 33
All Scarborough Resident Students - 2022-23 Housing Impact HIGH Model

Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-10%	Proj.	+10%	-10%	Proj.	+10%	-10%	Proj.	+10%	-Range	Proj.	+Range
2022-23*	197			215			227			640		
2023-24	178	198	218	203	226	249	213	237	261	594	661	728
2024-25	188	209	230	199	221	243	225	250	275	612	680	748
2025-26	177	197	217	204	227	250	217	241	265	598	665	732
2026-27	191	212	233	219	243	267	232	258	284	642	713	784
2027-28	209	232	255	237	263	289	252	280	308	698	775	852
2028-29	219	243	267	249	277	305	263	292	321	731	812	893
2029-30	222	247	272	254	282	310	267	297	327	743	826	909
2030-31	215	239	263	244	271	298	257	286	315	716	796	876
2031-32	218	242	266	246	273	300	258	287	316	722	802	882
2032-33	217	241	265	243	270	297	257	286	315	717	797	877

Enrollment Projection Ranges (+/-3%) - October 1st Enrollment												
School Year	Pleasant Hill			Blue Point			Eight Corners			Total All Grades K-2		
	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	+3%	-3%	Proj.	3%
2022-23*	197			215			227			640		
2023-24	192	198	204	219	226	233	230	237	244	641	661	681
2024-25	203	209	215	214	221	228	243	250	258	660	680	701
2025-26	191	197	203	220	227	234	234	241	248	645	665	685
2026-27	206	212	218	236	243	250	250	258	266	692	713	734
2027-28	225	232	239	255	263	271	272	280	288	752	775	798
2028-29	236	243	250	269	277	285	283	292	301	788	812	836
2029-30	240	247	254	274	282	290	288	297	306	802	826	850
2030-31	232	239	246	263	271	279	277	286	295	772	796	820
2031-32	235	242	249	265	273	281	278	287	296	778	802	826
2032-33	234	241	248	262	270	278	277	286	295	773	797	821

Notes: October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.
 2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023
 Data produced by Wandell Consulting

APPENDIX B

INFORMATION ON ENROLLMENT DATA & METHODOLOGIES USED FOR PROJECTION STUDIES

Enrollment Data and Methodologies Used for Projection Studies

Enrollment Data Used for the Projection Study:

- The enrollment data used for these projections is based on the October 1st resident enrollment count by school year. Historical enrollment data is obtained directly from the Maine Department of Education. If a study is completed in October to December of a school year the data may need to be obtained directly from the school district. Sometimes data supplied by the school district is different from what MDOE will show because of reporting differences, inconsistencies or errors adjusted over time. Although it does not happen often, it is important to understand it can happen and is often the source of differences in enrollment count between studies.
- It is also important to understand the resident enrollment and attending enrollment figures will not necessary correlate with EPS funding counts of students. Specifics on what is included in the different types of enrollment counts, please visit the MDOE data center: <https://www.maine.gov/doe/data-reporting/reporting/warehouse>

Types of Enrollment Data:

1. **Total Resident Enrollment:** the count of all students living in the district's town(s) regardless of where they attend school.
2. **Attending Resident Enrollment:** the count of resident students attending a district's school(s).
3. **Enrollment of Resident Students Attending Out of District Schools:** the count of resident students attending other district schools either as tuition students, choice tuition students, superintendent agreements, or other such similar situations.
4. **Non-Resident Attending Enrollment:** is the count of students from other districts attending the resident district's schools.
5. **Private School Enrollment:** is the count of students attending private schools. Enrollment of students attending private schools is often excluded from the study because private schools do not always submit their enrollment counts, or MDOE did not always include the data in the resident enrollment count. For example, the enrollment for one year will show 10 students attending private school X, the following year

there are zero students attending private school X, then in the next school year private school X suddenly has an enrollment of 15 students. These variations in enrollment count only serve to distort the migration trends used to make the projections.

However, private school student enrollment will remain if the district in question pays for students to attend the private school. An example of this is Saco students attending Thornton Academy. In these cases the private school enrollment count is consistently reported and there are no issues with consistency of historical data.

6. **Home Schooled Students:** is the count of students educated at home. Historical enrollment data of home-schooled students is inconsistent. Some districts do a good job of tracking home schooled students by grade, others only have grade group data, some have the information for several schools years while others may only have information readily available on the most recent couple of school years. MDOE also has historical home-schooled enrollment, but the counts are not as readily available. Therefore, home schooled enrollment is generally not projected unless a district can provide consistent data.

PAST Projections verse CURRENT Projections: When comparing past enrollment studies to future studies, it is important to understand the differences in enrollment data. With the older enrollment studies a detailed breakdown of enrollment was often not readily available. In other cases the data supplied by a district for the past study was adjusted by the district and/or MDOE following the completion of the projections. When comparing past studies to current studies, be sure to compare data that shows the same type of enrollment count. In some districts there is very little difference between resident attending enrollment and total resident enrollment, while in other districts there is a significant difference in the enrollment count. **Methodology Notes:**

- **Resident Births:**

When making projections, the calendar year birth figures are not used to determine the number of resident births in a year. To project future entering first grade class sizes the "birth year" is based on when a student is eligible to enroll, or from October 15th of one year to October 14th of the next. Because the data supplied by the office of Data, Research, and Vital Statistics, Division of Public Health Systems, Maine Centers for Disease Control and Prevention at the Maine Department of Health and Human Services for October is based on October 1st to the 31st, the October births are split in half so that one half is put into one year and the other half is put into the following year's birth figures. This allows the cohort survival model to more accurately project entering first grade class sizes.

Birth data from calendar year 2022 is preliminary and provisional, however, historically this data has been very accurate.

- **First Grade Class Sizes:**

The size of the first grade class is influenced by two factors: the number of births to residents of a community during the year that is six years prior to the enrollment year; and, net migration of preschool aged children (number of preschool aged children moving into the community minus the number of preschool aged children moving out of the community) during the first grade enrollment year and the year that was six years prior. The level of preschool migration can be measured by the ratio of enrollment for the entering first grade class to the number of births to residents in the year that was six years prior.

- **Net Migration Ratios:**

In making grade-to-grade projections, the historical average grade-to-grade survival ratios over the last three to ten years are analyzed. The average that displays the “strongest” statistical relationship to existing class sizes are used to project future enrollment.

When net migration ratios are discussed throughout the study, a ratio higher than 1.000 indicates a net in-migration of children occurred, and a ratio less than 1.000 indicates a net out-migration of children occurred.

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BUDGET DOCUMENTS ARE AVAILABLE ON OUR WEBSITE
www.scarboroughschools.org/board/budget