

New High School Update

Board Meeting | November 12, 2026

Heather Tow-Yick, Superintendent
Jacqueline Downey, Chief of Schools, Leadership & Learning
Mark Sherwood, Executive Director of Communications
Julia Bamba, Principal on Special Assignment

Purpose

Discuss and gather input on:

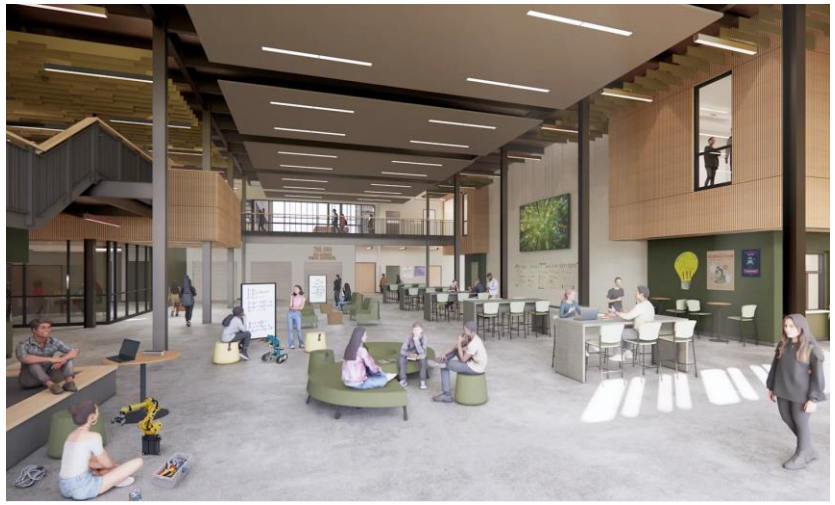
- Update on Core Team and Advisory Team
- Schedules, courses and credit plans all three programs
- Communications and marketing plan
- Value and benefits for students

Decide on:

- Name and mascot board selection

The New High School – Opening Fall 2027









THREE COLLEGE & CAREER-CONNECTED PROGRAMS

Engineering & Robotics

Grades 9-11: full-time or part-time
Grade 12: part-time only for 2027-28 (new)
Grades 9-12, full-time or part-time, from 2028

Business & Entrepreneurship

Grades 9-11: full-time or part-time
Grade 12: part-time only for 2027-28 (new)
Grades 9-12, full-time or part-time, from 2028

Health Sciences (pilot program)

Grade 11: full-time or part-time
Grade 12: part-time only for 2027-28 school year

Slide shared at curriculum nights throughout September. Program titles updated on 11/5. Entrepreneurship is now Business & Entrepreneurship. Added part-time 12th grade option for Engineering & Robotics and Business & Entrepreneurship.

Advisory Team and Core Team Updates

Advisory Team · Meeting 2 · Nov 3

Shared hopes

The “I hope…” activity: every table wrote hopes for every student and posted them to a collective board.

Program stations

Explored all three programs: courses and credits, four-year progression, and a day in the life.

Schedule and immersion

Reviewed the schedule prototypes; weighed January Term against Spring Term.

Name and mascot

Game input on the finalists for board recommendation.

Core Team · visits and design work

Nov 9 · Microsoft Robotics Lab

Core Team site visit to the lab.

Nov 12 · SAMI and IDEA, Tacoma

Core Team release day visiting Science and Math Institute (SAMI) and Industrial Design Engineering and Architecture (IDEA) High School.

Nov 12 · Tacoma Maritime Center

Toured the newly opened Maritime Center, home of the Maritime|253 skills center.

Nov 12 · Curriculum design

Spent time on curriculum design, continuing the program progressions and course work.

Designing Learning for Part-Time and Full-Time Students

Two extended learning blocks and a midday lunch and transportation period.

Full-time	AM Interdisciplinary Program Block or Core Learning Block	Lunch + Community	PM Interdisciplinary Program Block or Core Learning Block
Part-time AM	Interdisciplinary Program Block	Lunch + Transportation No credit for period 4	Issaquah, Liberty, Skyline
Part-time PM	Issaquah, Liberty, Skyline	Lunch + Transportation No credit for period 4	Interdisciplinary Program Block

Learning Blocks within a 7-period day

Room for deeper learning, explicit instruction, standalone courses or interdisciplinary courses, projects, time in learning labs for applied experiences, and field trips.

Full-time

Students participate in the complete school day, taking courses in the interdisciplinary program block and core learning block, including options for advanced coursework such as AP.

Part-time

Students are assigned the AM or PM interdisciplinary program block, supported by transportation.

Grade level and program eligibility

Engineering & Robotics

Grades 9-11: full- or part-time
Grade 12: part-time, 2027-28

Health Sciences (pilot program)

Grade 11: full-time or part-time
Grade 12: part-time, 2027-28

Business & Entrepreneurship

Grades 9-11: full- or part-time
Grade 12: part-time, 2027-28

How High School Schedules Align for Part Time Students

A simple view of morning classes, midday travel, and afternoon learning blocks

M, T, TH, F: 8:00–2:52
W: 10:10 to 3:45
Part-time access: AM or PM block

Time of Day	Issaquah HS	Liberty HS	Skyline HS	New High School	Gibson Ek HS
MORNING Approx. 8:00–11:10 Or 10:00 on Wed.	Periods 1, 2, 3 + Homeroom	Periods 1, 2, 3 + Homeroom / PAT	Periods 1, 2, 3	AM BLOCK Interdisciplinary Program Block or Core Learning Block	Advisory + Exploration Internship T &TH
MIDDAY Lunch + travel Approximately 10:40	Period 4 is used for lunch And travel window	Period 4 is used for lunch And travel window	Period 4 is used for lunch And travel window	Lunch + Community	Crash Lab + Lunch
AFTERNOON Approx. 11:45–2:50 or 3:45 on Wed.	Periods 5, 6, 7 + Flex on Wednesday	Periods 5, 6, 7 + Flex on Wednesday	Periods 5, 6, 7 + Flex on Wednesday	PM BLOCK Interdisciplinary Program Block or Core Learning Block	Content + Design Lab + Advisory Internship T & TH

MIDDAY WINDOW CONNECTS LARGE HIGH SCHOOLS + NEW SCHOOL

- AM students complete morning learning at one school, then use the midday window for lunch and travel. Tuesday and Wednesday require specific transition planning due to block schedules.
- PM students complete the reverse pattern. Tuesday and Wednesday require specific transition planning due to block schedules.

Planning view, not a bell schedule. Issaquah, Liberty and Skyline schedules run approximately 8:00–2:52 on most days and run 10:10 to 3:45 on Wednesday. Period and lunch times can vary slightly by school and day. Gibson Ek is shown as a full-time choice-school comparison, not a part-time feeder to the new high school.

What you gain at the new high school

Will core credits be different?

Core is the same.

Core stays strong

- 3.0 or more core credits every year: math, history, science, world language, and electives
- College preparation courses and explicit instruction
- Meets graduation requirements, with 24.0 credits in four years

Can I take advanced courses?

Yes.

AP and Running Start

- Core: AP Precalculus, AP Calculus AB, AP US History, AP Statistics, AP Computer Science
- Program: AP Business with Personal Finance, AP Macro and Micro Economics, AP Seminar, AP Research
- Running Start available

What sets me apart?

Be a trailblazer.

Start a new school, learn deeply

- Help start a new school and shape its traditions
- Learn deeply in a program, with a cohort of students working on real work together
- Exploration is an option as well
- Connected courses, mentors, job shadows, and internships

Credits you can earn: 6.0 a year → 24.0 in four years → 28.0+ with immersion and online options

Industry Recognized Credentials and Certifications such as:
OSHA 10 General Industry; Autodesk Fusion; Microsoft Excel Associate; Certified Nursing Assistant

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How to read the following coursework prototypes

ONE YEAR = 6.0-7.0 Credits

INTERDISCIPLINARY PROGRAM BLOCK

3.0 credits

Connected courses earned together: a CTE course, English or social studies, and science in most program courses.

+

CORE BLOCK

3.0 credits

Math, history, world language, and electives that meet graduation requirements

=

EACH YEAR

6.0 credits

Add 1.0 or more from the immersion term or online courses, for up to 7.0

FOUR YEARS = 24.0 -28.0 Credits

Building	Immersing	Personalizing	Launching
Year 1 · total 6.0-7.0	Year 2 · total 12.0-14.0	Year 3 · total 18.0-21.0	Year 4 · total 24.0-28

In the tables that follow: teal rows are the interdisciplinary program block, gray rows are the core block, and the yellow row is immersion and online credit. Health Sciences is a two-year program for grades 11 and 12.

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Engineering & Robotics Coursework Prototype 2.0

Coursework plan includes course offerings. Final schedules are developed based on student enrollment and course requests.

Engineering & Robotics · 24.0 credits of coursework + options for 28+ credits over 4 years

Credit area	Year 1 · Building	Year 2 · Immersing	Year 3 · Personalizing	Year 4 · Launching	4-year
Program interdisciplinary block	**3.0 credits earned together**	**3.0 credits earned together**	**3.0 credits earned together**	**3.0 credits earned together**	**12.0**
	Engineering & Robotics 1 CTE English or English (honors) Material Science (lab)	**Engineering & Robotics 2** CTE Social Studies elective with CWP (SS) Chemistry (lab)	**Engineering & Robotics 3** CTE English or AP Seminar Physics (lab)	**Engineering & Robotics 4** CTE English or AP Research Internship	
Core block and flex credits	**3.0 credits**	**3.0 credits**	**3.0 credits**	**3.0 credits**	**12.0**
Core course 1	Algebra 1 Adv. Geometry Advanced Algebra 2	Geometry Advanced Algebra 2 AP Precalculus	Algebra 2 AP Precalculus AP Calc AB	AP Comp Sci A AP Calc AB Running Start math	**4.0**
Core course 2	AP World or Online Health	English (or honors)	US History or AP History	AP Statistics Online Health/PE/Art Civics / elective	**4.0**
Core course 3	Spanish 1 or 2 or Intro to CS class	Spanish 2 or Spanish 3 or AP Comp Sci Principles	English or AP English Lit	AP Chemistry or Leadership Or AP English Lang	**4.0**
24-credit plan	**6.0** total 6.0	**6.0** total 12.0	**6.0** total 18.0	**6.0** total 24.0	**24.0**
January or Spring Term and optional online courses	**1.0+**	**1.0+**	**1.0+**	**1.0+**	**+4.0+**
Possible total	**up to 7.0**	**up to 14.0**	**up to 21.0**	**up to 28.0 or more**	**28.0+**

The teal block is the program interdisciplinary block (connected courses including CTE, English, Social Studies, Science), earned together each year. Core block meets other graduation requirements. PE (1.5), Health (0.5) and Art (1.0) are required for graduation: students earn them in January Immersion/Spring Accelerator, online or in flex credits. Credit earning potential equals 28.0 or more with advanced coursework options. Running Start available.

Entrepreneurship & Business Coursework

Prototype 2.0

Coursework plan includes course offerings. Final schedules are developed based on student enrollment and course requests.

Entrepreneurship · 24.0 credits of coursework + options for 28+ credits over 4 years

Credit area	Year 1 · Building	Year 2 · Immersing	Year 3 · Personalizing	Year 4 · Launching	4-year
Program interdisciplinary block	**3.0 credits earned together**	**3.0 credits earned together**	**3.0 credits earned together**	**3.0 credits earned together**	**12.0**
	Business & Entrepreneurship 1 AP Business Principles with Personal Finance English or English (honors) Art & Design	**Business & Entrepreneurship 2** CTE English (or honors) Social Studies elective (e.g. law, econ, CWP component)	**Business & Entrepreneurship 3** CTE English Or AP Seminar AP Macro and Micro Economics	**Business & Entrepreneurship 4** CTE English or AP Research Internship	
Core block and flex	**3.0 credits**	**3.0 credits**	**3.0 credits**	**3.0 credits**	**12.0**
Core course 1	Algebra 1 Adv. Geometry Advanced Algebra 2	Geometry Advanced Algebra 2 AP Precalculus **1.0**	Algebra 2 AP Precalculus AP Calc AB **1.0**	AP Statistics Online Health/PE AP Calc AB Running Start Math	**4.0**
Core course 2	Science	Science	Science English or AP English Lit	Civics / elective	**4.0**
Core course 3	Spanish 1 or 2 or Intro to Computer Science	Spanish 2 or Spanish 3 or AP Computer Science	US History or AP History	Leadership/Business or AP English Lang	**4.0**
24-credit plan	**6.0** total 6.0	**6.0** total 12.0	**6.0** total 18.0	**6.0** total 24.0	**24.0**
Spring Term Accelerator and optional online courses	**1.0+**	**1.0+**	**1.0+**	**1.0+**	**4.0+**
Possible total	**up to 7.0**	**up to 14.0**	**up to 21.0**	**up to 28.0 or more**	**28.0+**

The teal block is the program interdisciplinary block (connected courses including CTE, English, Social Studies, Science), earned together each year. Core block meets other graduation requirements. PE (1.5) and Health (0.5) are required for graduation: students earn them in Spring Accelerator, online or in flex credits. Credit earning potential equals 28.0 or more with advanced coursework options. Running Start available.

Health Sciences Coursework

Prototype 2.0

Coursework plan includes course offerings. Final schedules are developed based on student enrollment and course requests.

Health Sciences · 24.0 credits of coursework + options for 28+ credits over 4 years

Credit area	Year 1 @ Large High School	Year 2 @ Large High School	Year 3 · Personalizing @ New High School	Year 4 · Launching @ New High School	2-year Program
Program interdisciplinary block	Students interested in the Health Sciences Program can apply in grade 10 or 11 to attend the program in grades 11 and/or 12. Students should come to the program with Biology, and either Chemistry or Chem Lab/Phys Lab. Students should complete 2 years of math, 2 years of English, 1.0 SS. College Bound students should complete 2 years of World Language. It is ideal to have completed other electives such as PE & Art that are not met during the Health Sciences program.		**3.0 credits earned together**	**3.0 credits earned together**	**6.0**
			Health Sciences 1 Health CTE Lab Science Health and Social Studies Elective (Contemporary World Problems)	**Health Sciences 2** Health CTE Apprenticeship English or AP Research	
Core block and flex			**3.0 credits**	**3.0 credits**	**6.0**
Core course 1			Algebra 2/Advanced Algebra 2 AP Precalculus AP Calc AB	AP Statistics Running Start Math online Art/PE/elective	**2.0**
Core course 2			US History or AP History	AP Psychology Civics /Leadership	**2.0**
Core course 3			English or AP English Lit	AP English Language or Spanish for medical field	**2.0**
24-credit plan			**6.0** total 20.0	**6.0** total 26.0	**26.0**
January or Spring Term and optional online courses			**1.0+**	**1.0+**	**2.0+**
Possible total			**up to 21.0**	**up to 28.0 or more**	**28.0+**

The teal block is the program interdisciplinary block (connected courses including CTE, English, Social Studies, Science, health), earned together each year. Core block meets other graduation requirements. PE (1.5), Health (0.5) and Art (1.0) are required for graduation: students earn them in grades 9 or 10 before entering the health sciences program or in Spring Accelerator, online or in flex credits. Credit earning potential equals 28.0 or more with advanced coursework options. Running Start available.

Course Overlap by Program

Prototype

Coursework plan includes course offerings. Final schedules are developed based on student enrollment and course requests.

Core courses and AP offerings shared across all three pathways, shared by two, or specific to one

Key: ● E&R = Engineering & Robotics ● ENT = Entrepreneurship & Business ● HS = Health Sciences

Core & program courses	E&R	ENT	HS
IN ALL 3 PROGRAMS			
English 11 and English 12	●	●	●
US History	●	●	●
Algebra 2 / Advanced Algebra 2	●	●	●
Lab science (course varies)	●	●	●
Social Studies elective (CWP)	●	●	●
Civics / Leadership / elective	●	●	●
Online Health, PE & Art (flex)	●	●	●
Internship or apprenticeship (Gr 12)	●	●	●
IN 2 PROGRAMS: E&R + ENT			
English 9 and English 10	●	●	*large HS*
Algebra 1 / Geometry / Adv. Geometry	●	●	*large HS*
Spanish 1–3 (world language)	●	●	*large HS*
Intro to Computer Science	●	●	*large HS*
Chemistry and Physics (lab)	●	●	*large HS*
ONLY IN 1 PROGRAM			
● **E&R**	E&R 1–4 (CTE) · Material Science lab · World History		
● **ENT**	Entrepreneurship 1–4 (CTE) · Biology · Art & Design (Gr 9)		
● **HS**	Health CTE (Gr 11–12) · Spanish for medical field		

AP & advanced courses	E&R	ENT	HS
IN ALL 3 PROGRAMS			
AP Calculus AB	●	●	●
AP Statistics	●	●	●
AP English Literature	●	●	●
AP English Language	●	●	●
AP US History	●	●	●
AP Research	●	●	●
AP Precalculus	●	●	●
Running Start math	●	●	●
IN 2 PROGRAMS: E&R + ENT			
AP Seminar	●	●	*N/A*
AP Computer Science (A / Principles)	●	●	*N/A*
ONLY IN 1 PROGRAM			
● **E&R**	AP World History · AP Chemistry		
● **ENT**	AP Business Principles with Personal Finance · AP Macro & Micro Economics		
● **HS**	AP Psychology		

Courses are grouped where options are equivalent (e.g., “Lab science” covers each program’s lab course). ENT lists “Physics or other” in Gr 11. Health Sciences is a 2-year program (Gr 11–12); Gr 9–10 courses are taken at their large high school. Running Start is available in all programs.

Credentials and Certifications students may earn

	Engineering & Robotics	Business & Entrepreneurship	Health Sciences
Years 1–2 Initial priorities	• OSHA 10 General Industry • Autodesk Fusion certification • SOLIDWORKS CSWA • Python PCEP	• Microsoft Excel Associate • Intuit Design for Delight • HubSpot Digital Marketing • QuickBooks / bookkeeping	• First Aid / CPR / AED • Nursing Assistant–Certified (NAC) • Supervised clinical experiences
Big ideas for the future (years 3–4)	• Advanced CAD certification • Industrial robotics (FANUC) • Mechatronics certification • Advanced programming (PCAP)	• PMI Certification (Project Management) • Google Data Analytics • Adobe Advertising • Power BI Data Analyst	• Phlebotomy Technician • Medical Assistant pathway • Patient Care Technician • EMT certification • College-level health sciences credit

Credentials shown are proposed options under development, subject to eligibility, instructional capacity and partner confirmation. Health Sciences opens as a grades 11–12 pilot; advanced options reflect potential future expansion.

ISSAQUAH SCHOOL DISTRICT 411

Communication

Announce November | **Reach families** December | **Connect** January | **Notify** February

Open enrollment window: December 7 to January 29

Nov 12 Name, mascot, and open enrollment window announced

Nov 20 Website updates: enrollment and new high school

Nov 23 Postcards and digital ads begin

Dec 1 Advisory team meeting

Dec 4 Middle school video presentations

Dec 7 Open enrollment begins

Dec 8 Family virtual session

Dec 14 Office hours

Jan 11 Middle and high school visits

Jan 14 Office hours

Jan 19–21 Open houses: New High School (19), Online Programs (20), Gibson Ek (21)

Jan 29 Open enrollment closes

Feb 1 Families notified: accepted, in review, or waitlist

Feb 2 Family Advisory logo presentation (final board approval still needed)

ISSAQUAH SCHOOL DISTRICT 411

Our name and mascot process

600+

Community ideas

Names and mascots submitted by the community

10

Finalists each

The Core Team and Leadership team ranked the submissions down to 10 names and 10 mascots

3

Input rounds

Star survey, Oct 21 event (190 attendees), admin building vote

Nov 3

Advisory Team

Reviewed the results, discussed in small groups, and dot-voted

Nov 12

Board selects

Discussion and selection of the school name and mascot

AFTER THE BOARD SELECTS

Nov 12
Name and mascot announced

Dec 1
Advisory Team logo focus groups

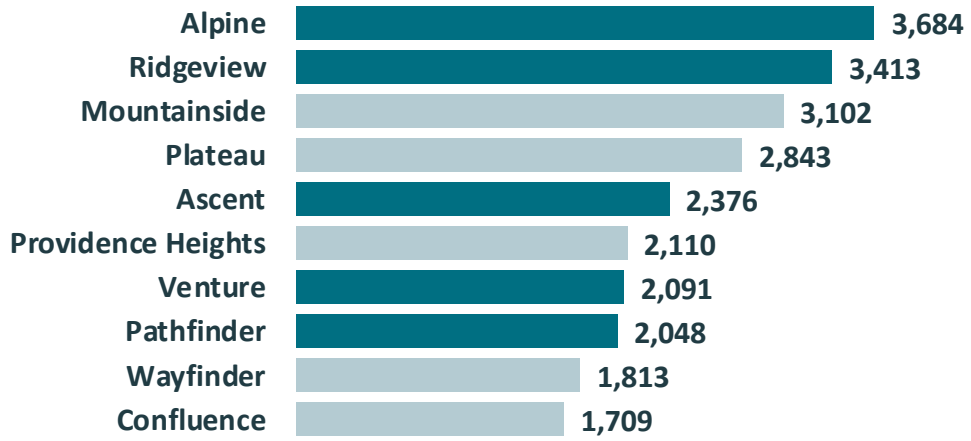
Jan 8
Core Team reviews logo concepts

Feb 2
Advisory team reviews logo; school uses new mascot

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Community Input

School names stars · color = Advisory top 5

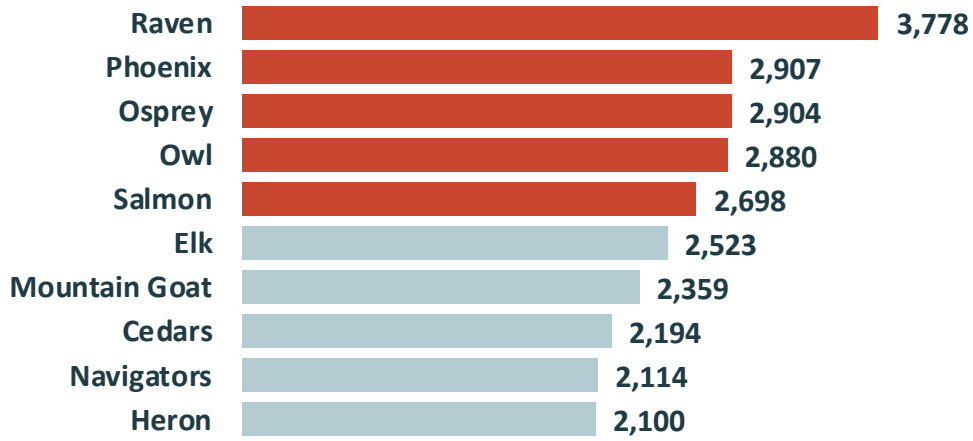


Oct 21 event, top 3: Alpine, Providence Heights, Ascent

Admin building, top 4: Alpine, Ridgeview, Mountainside, Venture

Advisory Team dots: Alpine 30 · Ascent 22 · Ridgeview 11 · Pathfinder 9 · Venture 7

Mascots stars · color = Advisory top 5



Oct 21 event, top 3: Phoenix, Mountain Goat, Salmon

Admin building, top 4: Raven, Navigators, Phoenix, Mountain Goat

Advisory Team dots: Owl 28 · Phoenix 22 · Osprey 12 · Raven 9 · Salmon 7

Our recommendation to the board

School names

- Alpine
- Mountainside
- Ridgeview

Mascots

- Osprey
- Owl
- Phoenix

TOP RECOMMENDATIONS AND PREFERRED PAIRINGS

Pair 1
Ridgeview + Owls

Pair 2
Mountainside + Osprey

Pair 3
Alpine + Phoenix

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Discussion

Questions for discussion

- Which name best expresses our vision for students?
- Which mascot will students feel proud to wear?
- Which pairing will last for decades?

CRITERIA

Alignment with the school's vision · student belonging · community identity · longevity · broad appeal

SCHOOL NAME

Board selection

MASCOT

Board selection

ISSAQUAH SCHOOL DISTRICT 411

Appendix

PROGRAM COURSES AND LEARNING PROGRESSION

Engineering & Robotics

From learning the tools of a designer to leading real engineering teams and internships.

Prototype

	YEAR 1 BUILDING Foundation & exploration	YEAR 2 IMMERSING Skill development & depth	YEAR 3 PERSONALIZING Choice & real-world alignment	YEAR 4 LAUNCHING Application & leadership
Yearlong course title	**Engineering & Robotics 1** *Engineering foundations*	**Engineering & Robotics 2** *Integrated design projects*	**Engineering & Robotics 3** *Advanced systems and impact*	**Engineering & Robotics 4** *Independent engineering practice*
Course description	Through design challenges, they build foundational knowledge of engineering principles including the design process, mechanics, circuits, coding, and materials while designing for various real-world problems.	Students take on extended projects that blend mechanical design, electronics, tool usage, and programming. They research needs, set specifications, and improve working systems through many test cycles.	Students deepen expertise in manufacturing, automation or another engineering focus through sustained partner work. Apply design principles and systems thinking to solve engineering problems.	Students lead a sustained capstone or eligible internship with real milestones and professional expectations. They investigate a consequential problem, manage resources, and validate a solution with users.
Purpose	Build foundations and a designer's mindset: test ideas and explain how evidence shapes design decisions.	Integrate skills across disciplines and learn to work in changing team roles.	Specialize in a focus area and justify complex design choices with evidence.	Launch into independent practice and prepare for further study or employment.
Academic & program knowledge and skills	•Mechanics, circuits, coding, materials, tools •Math and physical science in design •Technical reading and safe fabrication •Engineering vernacular •Design process and systems thinking •Ethical AI use	• Branch into Engineering or Robotics • Specifications, testing, data analysis • Technical communication for varied audiences	• Manufacturing, automation/robotics or chosen focus • System modeling, data, and cost analysis • Technical research and mentor feedback	• Project management and resources • Validating solutions against user needs • Professional communication
Key experiences throughout the year	•Repeated design challenges •Guest speakers and industry visits •Career exploration •Use equipment, tools, and labs to build projects	• Extended team projects for real users • Mentors share problems from the field • Job shadow days	• Sustained industry partner project • Team with Entrepreneurship or Health Sciences students • Mentor Year 1 and 2 students	• Capstone or eligible internship • Lead a capstone team • Public technical defense
Student work	Portfolio and projects Practicum and Oral exams Portrait of a Graduate Skills	Year 1 Assessment Methods PLUS increased complexity, depth, formality, and audience reach (ex. present to teachers and peer audience)	Year 2 Assessment Methods PLUS increased audience reach (ex. program-wide showcase)	Year 3 Assessment Methods PLUS increased audience reach (ex. school-wide, open to the public showcase)
Potential credits	**1.0 CTE** **1.0 ELA** **1.0 Lab Science** **Credential:** Autodesk (example)	**1.0 CTE** **1.0 Social Studies** **1.0 Lab Science** **Credential:** Certified SOLIDWORKS Associate (example)	**1.0 CTE** **1.0 ELA** **1.0 Lab Science** **Credential:** Core Plus Aerospace / Advanced Manufacturing (example)	**1.0 CTE** **1.0 ELA** **1.0 Internship** **Credential:** Manufacturing / CAD (example)
Credit plan	**Every year: 1.0 CTE + 1.0 ELA + 1.0 connected credit → Full-time plan: 3.0 program + 3.0 core + up to 1.0 Jan Term = up to 7.0 credits**			

PROGRAM COURSES AND LEARNING PROGRESSION

Business & Entrepreneurship

From business foundations to running a school business, solving community problems, and launching a venture.

Prototype

	YEAR 1 BUILDING Foundation & exploration	YEAR 2 IMMERSING Skill development & depth	YEAR 3 PERSONALIZING Choice & real-world alignment	YEAR 4 LAUNCHING Application & leadership
Yearlong course title	**Business & Entrepreneurship 1** **New Employee**	**Business & Entrepreneurship 2** **Manager**	**Business & Entrepreneurship 3** **Director**	**Business & Entrepreneurship 4** **C - Suite**
Course description	**Foundations of Business:** Students learn the core concepts of business, including identifying customer needs, developing ideas, and building a basic business plan and pitch.	**Managing a Student-Run Business:** Students operate a real student-run business, taking on roles in marketing, finance, and operations while learning to manage a team and make data-informed decisions.	**Real-World Challenges with Industry Partners:** Students work with industry partners to research and solve authentic business challenges, then present their recommendations to professionals.	**Leading a Venture Launch or Internship:** Students apply their skills by leading the launch of their own venture or completing a professional internship, with mentorship and reflection on their growth as leaders.
Purpose	Learn basics of business by working in school store	Manage and design the school store	Networking, connection-making	Launch next steps (business, apprenticeship, internship, business launch, mix of multiple options), internships
Academic & program knowledge and skills	Foundations of soft skills and working with other people, integrated into teaching. Cover the basics of economics, accounting, finance, marketing, HR, management, ethics.	Management 101 (management styles, conflict resolution, customer service) Practice what was learned in Year 1	• Market analysis and cash-flow modeling • Legal responsibilities, social and environmental impact • Networking, presenting, negotiating	• Culminating project/portfolio – student choice • Industry-specific skills (beauty school, funeral director, trades) • Financial viability, community impact
Key experiences throughout the year	Durable skills Guest speakers, panels, informational interviews	Practice durable skills in low-stakes, simulated or real-life setting Decide on different product options available at the school store	Community partner projects Team with Engineering & Robotics Problem/solution based learning	• Experience in learner business area of interest
Student work	Opportunity portfolio: interview findings, market comparisons and concept tests; financial exercises and presentations	Determine product offerings based on market research Year-long marketing and communications plan Forecast profit	Client deliverables Pitch decks (Shark Tank)	Business plan OR Client deliverables OR Earning industry-specific credential Project to showcase 4-year journey
Potential credits	1.0 CTE (AP Business) 1.0 ELA 1.0 Art and Design	1.0 CTE 1.0 ELA 1.0 SS (Ethics)	1.0 CTE 1.0 ELA 1.0 SS Economics	1.0 CTE 1.0 ELA 1.0 SS Internship
Credit plan	**Every year: 1.0 CTE + 1.0 ELA + 1.0 connected credit → Full-time plan: 3.0 program + 3.0 core + up to 1.0 Jan Term = up to 7.0 credits**			

PROGRAM COURSES & LEARNING PROGRESSION

Health Sciences

From health care foundations to earning a CNA, completing clinicals, and launching a health career.

Prototype

	YEAR 1 BUILDING Foundation & exploration	YEAR 2 IMMERSING Skill development & depth	YEAR 3 PERSONALIZING Choice & real-world alignment	YEAR 4 LAUNCHING Application & leadership
Yearlong course title	**Health Sciences 1** **PLTW Biomedical Pathway & Inro to Sports Med**	**Health Sciences 2** **PLTW Biomedical Pathway & Adv. Sports Med**	**Health Sciences 3** **Certified Nursing Assistant**	**Health Sciences 4** **Various College and Career Options**
Course description	Students build science foundations in biology/ chemistry. They explore the many careers in care (physical & occupational therapy, medical or radiology technology assistant, etc.).	Students investigate how the human body works and what shapes wellbeing, through lab inquiry and real health questions. Continued exploration of careers in care.	This course prepares students to provide compassionate, person-centered care while applying healthcare knowledge, investigating community health needs, analyzing evidence, and designing appropriate responses in authentic clinical settings.	Students choose apprenticeship programs in: Behavioral Health Technician, Pharmacy Technician, or Medical Assistant (MA) or a Bridge to MA program that builds on their Certified Nursing Assistant credential.
Purpose	Build foundational skills in science, communication, sense of community, and personal wellness.	Develop knowledge of anatomy, physiology, medical terminology, healthcare math, safety, ethics, and patient-centered care.	Complete nursing assistant education, skills-lab practice, clinical training, and certification requirements to become a CNA.	Students build on their CNA credential by starting hands-on, industry-recognized training in high school toward a career in behavioral health, pharmacy, or medical assisting.
Academic & program knowledge and skills	• Foundational skills in biology/chemistry • Scientific inquiry, communication, teamwork • Practice identifying health-related community needs, and possible solutions	• Human anatomy and physiology • Medical terminology • Infection control, safety, ethics • Strengthen research, problem-solving, and professional communication skills	• CNA coursework and skills lab practice • Professional Communication • Lab Skills • Community Heath / Public Heath	• Advanced clinical practice • Employment preparation, leadership, and community health projects
Key experiences throughout the year	• Healthcare career exploration • Interpreting data and diagnosis • Simulated clinical experiences • Outbreak and emergency response	• Perform dissections, deep dive into nervous and endocrine systems. • Simulated clinical experiences	• Community health projects • Students build patient-centered skills that support whole-person health and wellness through Nursing Assistant skill building and clinical experiences.	• Accumulate work hours • College-level coursework as part of selected Health Care apprentice program
Student work	Vital sign collection Tracing pathogen contamination source Design medical innovation for a new frontier	Record and interpret clinical data Diagnose fictional patients Analysis of patient injuries and rehabilitation plans.	Food Workers Card Basic life support CPR certification Bloodborne Pathogen Certified Nursing Assistant Licensing Exam	BHT: Writing and tracking client care plans. PT: Calculating and filling mock prescriptions. MA: Taking and recording vital signs and getting a mock exam room ready
Potential credits & Program sequence	1.0 Lab Science 0.5 Math	1.0 Lab Science 0.5 Math, 1.0 Language Arts Possible language credit (ex. Spanish for preparation of medical terminology)	1.0 CTE 0.5 Health & Mental Wellness 0.5 Social Studies 1.0 Lab Science	1.0 CTE 1.0 Apprenticeship 1.0 ELA (AP Research)

Credit plan

Every year: 1.0 CTE + 2.0 connected credit → Full-time plan: 3.0 program + 3.0 core + up to 1.0 Spring Term = up to 7.0 credits
Year 3 Core Credits: Math, Social Studies, ELA ; Year 4 Core Credits: Math, Civics, Art/elective