



Innovation Renewal Plan



Barnstable Community Innovation School



Introduction

*The Joyful, Purposeful,
Engaging Journey of
Barnstable Community
Innovation School*





Table of contents

01

Why We're Here

We'd like to renew our Innovation Plan.

02

Mission & Vision

Our Mission statement and a powerful Vision.

03

Who We Are

BCIS is a community of diverse learners.

04

Practices & Proof

What we do and proof that it is working.

05

Five Year Plan

This is our plan for the future.



01 ★ Why We're Here ★

We want to remain an Innovation School

According to Massachusetts Department of Elementary and Secondary Education,

An Innovation School shall be a public school, operating within a public school district, that is established for the purpose of improving school performance and student achievement through increased autonomy and flexibility.





"Innovation schools" essentially prioritize flexibility and autonomy to experiment with new teaching methods, curriculum designs, and organizational structures, allowing educators to tailor their approach to best meet the needs of their students and community, often with a focus on creative solutions and; it emphasizes a culture of continuous improvement and adapting to changing needs by embracing new ideas and technologies.

Key aspects of an innovation school:

- Greater autonomy
- Student-centered learning
- Innovative teaching practices
- Collaboration and community engagement



The journey of our working group ...



Carleton Innovation School, Salem



Bentley Innovation School, Salem



Barnstable Community
Innovation School



M. George Global Studies
School, Brockton

- A working group of educators and parents met weekly, after school hours, for 12 weeks to research and plan.
- Representatives visited 3 other Innovation schools, 2 in Salem, and 1 in Brockton.
- The team was able to secure several partnerships and plan an exciting future for BCIS and its students.







02 ★ Mission & Vision ★





Our Mission

At Barnstable Community Innovation School, every student matters. We educate students by creating a culture that supports each child's academic, social, and emotional needs in a safe learning environment where they are challenged and engaged. We are committed to cultivating a strong sense of belonging through family and community partnerships. BCIS prepares every student to succeed as global citizens in a constantly changing and culturally diverse world.





Our Vision

- At Barnstable Community Innovation School, we embrace the boundless creativity and unwavering commitment of our stakeholders to co-create a school community where every individual feels a deep sense of belonging and partnership. Here, learning is not just an activity—it is a joyful, engaging, and purposeful journey.
- Guided by the principles of continuous improvement, we will evaluate and implement programs, resources, and initiatives that align with the evolving needs of our school community. Through a steadfast commitment to Project-Based Learning and enrichment for all, we will foster a culture of curiosity, motivation, and readiness in our students, empowering them to collaborate, investigate, research, and problem-solve with confidence.



- Our vision extends beyond the walls of our school. By forging dynamic partnerships with higher education institutions, we will create pipelines for innovative teaching practices, offer transformative professional development opportunities, and uphold equity and inclusivity as the cornerstones of our classrooms. Together, we will nurture a vibrant and culturally responsive learning environment where every student is empowered to think critically, lead with purpose, and thrive as a global citizen.
- In everything we do, we remain united in our shared purpose: to inspire and prepare our students to shape a brighter, more inclusive future for themselves and the world.



03



Who We Are





We are a school of choice.

- 1 BCIS enrolls students from all seven villages in Barnstable as well as towns outside of Barnstable.
- 2 Families can apply for enrollment through the district registration process, indicating BCIS as their first preference.
- 3 In the event that more students register that can be accommodated, a lottery will be held.



We are powerfully collaborative

School Council

This council involve teachers, parents, and community members in the decision-making process for the school. This can help the school be more responsive to the needs of its students and community.

Cadres

All full-time licensed educators and stakeholders participate in cadres, which are working groups dedicated to addressing specific areas of need identified through an inquiry-based process.

Community Partnerships

BPS Community mentors, Hyannis Fire Department, Cluster coordinator, Barnstable Police Dept., HYCC, Faith Baptist Church, Read Happy...



Demographics

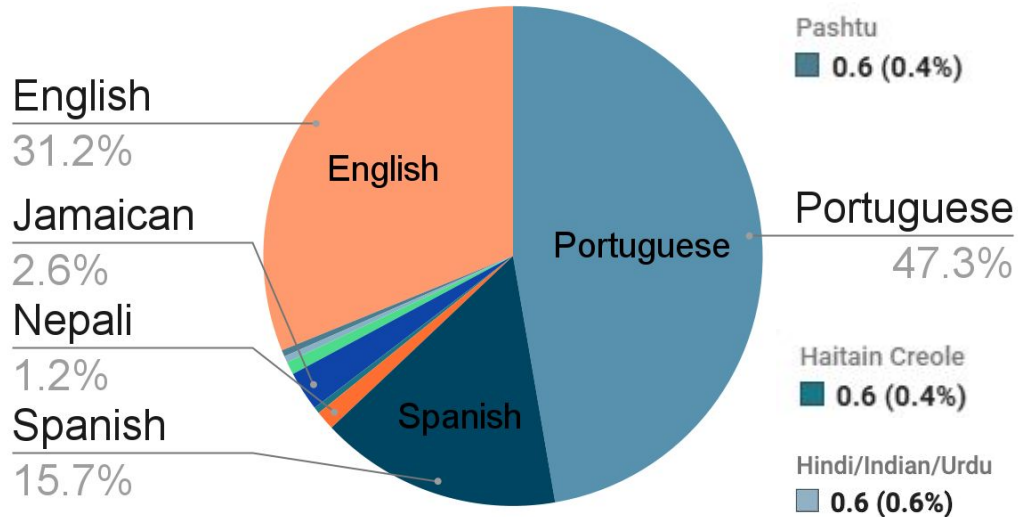
2023/2024 Student Demographics:	% of School	% of District
First Language not English	57.6	35.7
English Language Learner	46.9	23.4
Low-income	61.8	53.3
Students with Disabilities	6.5	17.9
High Needs	80.3	67.4

Student population: **296**

158 Multilingual learners with **109** at a foundational level

Native Languages

Native Languages



04



Practices & Proof



Project Based Learning

Project Based Learning (PBL) is a teaching method that centers on gaining knowledge and skills by actively engaging in real world projects to answer driving and complex questions. PBL requires students to use

- Critical Thinking
- Problem Solving
- Collaboration
- Communication
- Creativity
- Innovation



Enrichment Clusters



Educators and community members come together every winter to provide what many students consider the best thing about BCIS!

With options ranging from art in partnership with the Cotuit Center for the Arts, or Police Academy with BPD, or Fire Academy with Hyannis Fire, to Nature Superstars with folks from the Barnstable Land Trust, along with 23 other options, students find something that excites them.

BCIS Community Garden



Students and community members work together to plant and harvest a wide variety of vegetables. Our garden promotes healthy eating, sustainability, and community partnership.



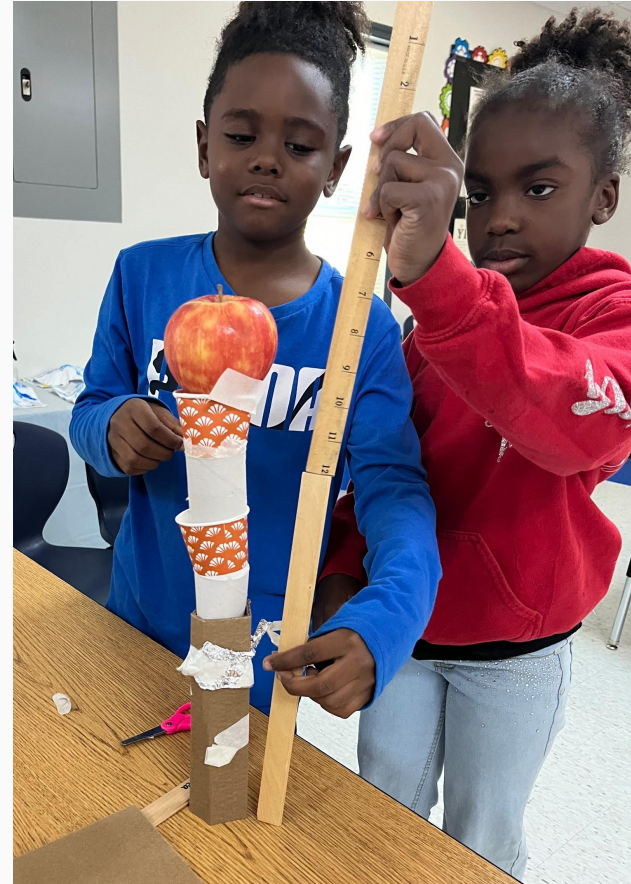
STEAM education

Science, Technology, Engineering,
Arts and Mathematics

STEAM engages students in real world problems where they work in teams to create and test solutions and models. Students use the Engineering Design Process; *Ask, Imagine, Plan, Create, Test, Improve,*

This holistic approach to learning results in students practicing and applying

- problem solving skills
- critical and creative thinking
- perseverance mindset



STEAM education

Science, Technology, Engineering,
Arts and Mathematics

STEAM benefits Multilingual Learners

- Collaboration
- Authentic interaction with peers
- Hands on approach with content vocabulary and academic english



STEAM education

Science, Technology, Engineering,
Arts and Mathematics

STEAM Family Project

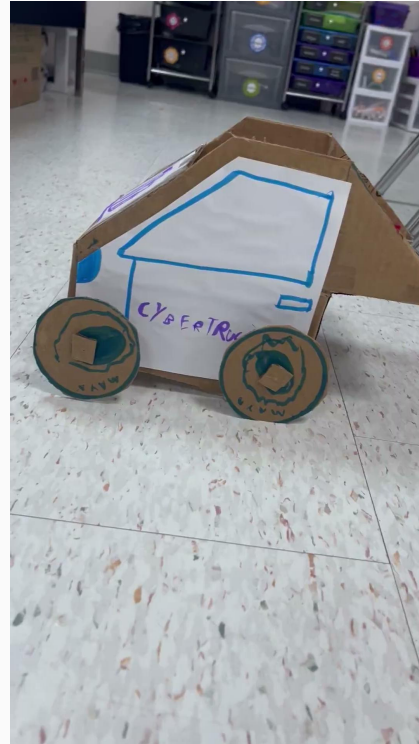
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of your creation to
dandrea_amybe@mybps.us

Due:
January 24th

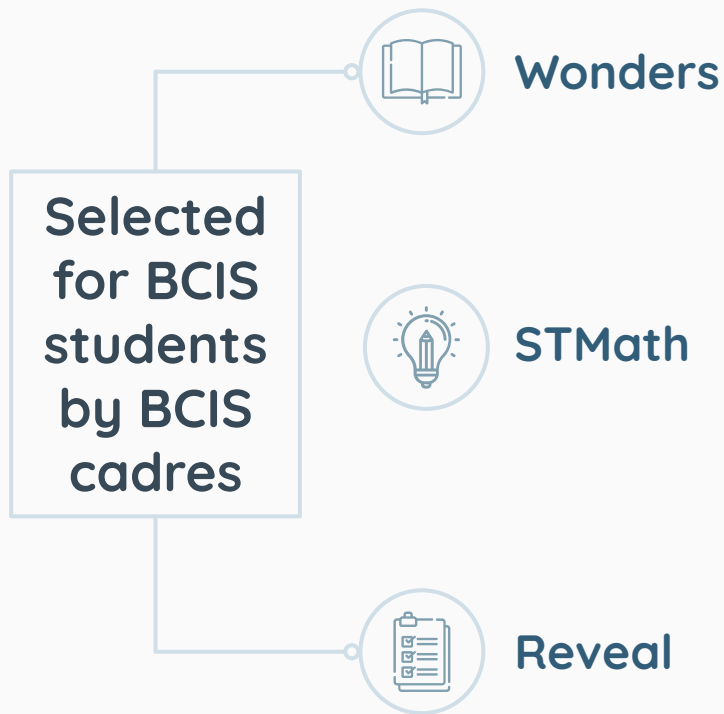


**create a vehicle
that moves.**

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *You may watch the resource videos on the next page to inspire your ideas.
<https://amydandrea.wixsite.com/mrs-dandrea>
- *Remember to think like an inventor, be a problem solver, use your imagination, and have fun!



Curriculum



Our literacy program has diverse texts and rich resources that engage students in building their early literacy skills, especially Multilingual learners.

This digital application delivers math instruction by giving students a series of challenging puzzles to solve. Removing language barriers allows all children to build a deep conceptual understanding of mathematical principles.

Our math program focuses on differentiation and flexible lesson design, which gives us the ability to cater to diverse student needs while meeting all Common Core standards.



ST Math

ST Math Usage vs. Scores Growth in Barnstable

ST Math is a PreK-8 visual instructional program that leverages the brain's innate spatial-temporal reasoning ability to solve mathematical problems. Its unique, patented approach provides students with equitable access to learning through challenging puzzles, non-routine problem solving, and informative feedback. With ST Math, students build deep conceptual understanding, and schools see proven, repeatable results. As students work through the visual, spatial-temporal games and receive informative feedback, they master grade-level math concepts at their own pace. And the more grade-level standards they master, the greater their advantage on state assessments. Research studies across the country prove that ST Math drives more learning.

Wondering how spending more time with ST Math might impact your students on high stakes tests?

We did the math.

How much did ST Math increase my students' scores?

We joined ST Math usage data with STAR unified scores for 130 students in grades 1 & 2 at Barnstable (2023-2024). We mathematically modeled how student STAR unified score growth from fall '23 to spring '24 changed based on observed differences in ST Math usage (i.e., was more content completed, or less, all else being equal).

100% Progress of ST Math

at Barnstable averaged an expected gain of



ST Math is created by
MIND Research Institute
mindresearch.org

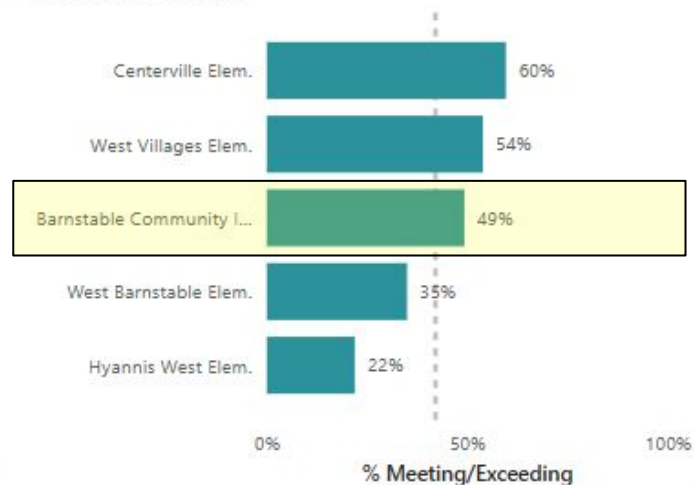


More data

ELA

% Meeting/Exceeding by School - ELA

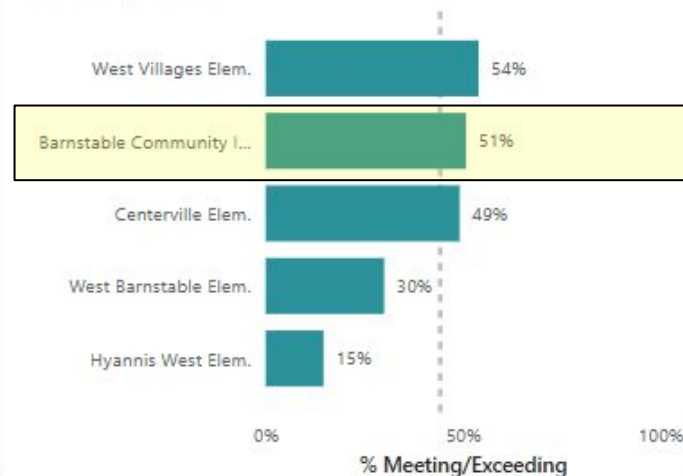
-- State Average All Students



Math

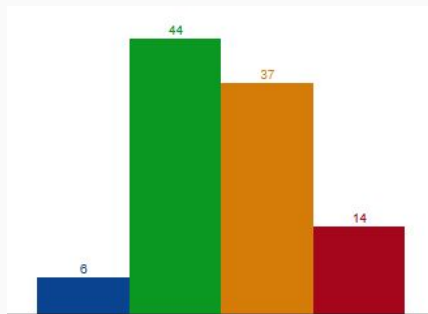
% Meeting/Exceeding by School - Math

-- State Average All Students

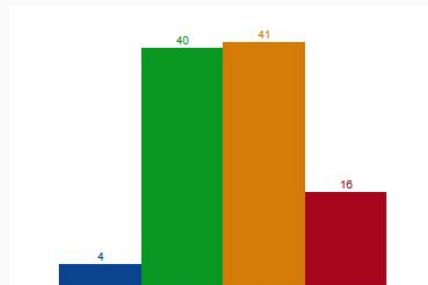


Data

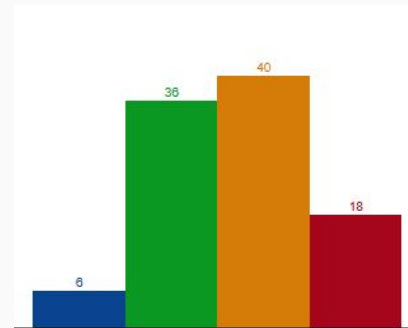
ELA



BCIS

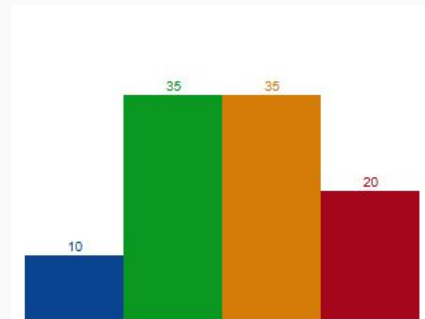
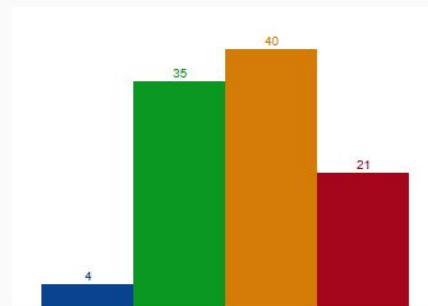
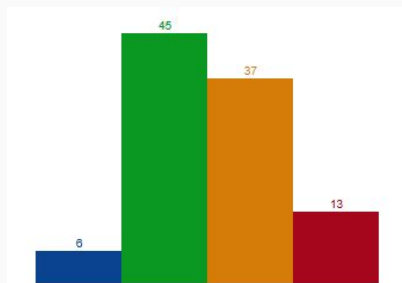


District



State

Math



■ Exceeding Expectations % ■ Meeting Expectations % ■ Partially Meeting Expectations % ■ Not Meeting Expectations %



05 ★ Five year plan ★



Committed Partnerships with Higher Education

1

Bridgewater State University



2

Stonehill College



3

Cape Cod Community College



STEM opportunities ↔ PD opportunities ↔ Sustainability ↔ TESOL ↔ Cohorts



Creating an inclusive student body

Adoption of an ILC

Professional development in neurodivergence and
Special Education within EL populations

Continue to build and refine a strong Multi-Tiered System
of Supports (MTSS) framework



A Focus on Multilingual education

Dual Language
Strand

Co-teaching
Models

Work with MABE
and Language
schools

Multilingual
Staff

Dual Certified
Staff

Multilingual
Curriculum



Outreach and recruitment

- Informational brochures are personally delivered to area preschools, daycare centers, and the Barnstable Family and Community Engagement Center.
- Open houses for prospective students and their families in January or early February.
- Individual school day tours for all prospective families which are lead by 3rd grade student ambassadors.
- Leverage partnerships with institutes of higher education to recruit diverse and bilingual educators from within our community.
- We will look to build bridges within our own district to provide opportunities for BHS students and community members who may want to explore careers in education.



Barnstable Innovation Education Foundation

501(c)(3)

A 501(c)(3) organization is a tax-exempt organization that is organized and operated exclusively for educational purposes.

How it will benefit our students

Through grants, partnerships, and fundraising

Potential Impact

Expand its innovative programs:

Provide professional development for teachers

Increase access to technology

Build a strong community of supporters: Engaging parents, alumni, and community members in the school's mission.

In conclusion



Multilingual Education

“Engagement in PBL increases opportunities for students to authentically use and apply language and literacy skills in a meaningful context, making learning relevant and fun.” (Jennifer Miyake Trapp)



Partnerships

By creating established partnerships with outside institutions we can leverage resources and opportunities beyond the scope of our district and then share districtwide..



Autonomy

Cadres and School Council team research and collaboratively decide on programs that best meet the needs of our students.



Community

It's so important to us, it's in our name.



✧ Thank you for your support. ✧