



FRCS Board Executive Director Report
December 14, 2021



@FoxboroughRCS and @LuisSoriaFRCS



Foxborough Regional Charter School

Agenda

Universal Presentation

- FRCS Mission
- Reference to Standards
- Theory of Action

FRCS Highlight: High School Science

December Highlights

FRCS Mission

The Foxborough Regional Charter School will provide students a challenging academic program to prepare them for college by stressing achievement, discipline, hard work and accountability. We will continually challenge all of our students, regardless of ability, so that we will lead the Commonwealth of Massachusetts in all statewide standards and assessments.

The Foxborough Regional Charter School will promote positive ethical, moral, and civic values and prepare students to serve their respective communities as leaders and good citizens. We will present students with projects and issues requiring critical thinking, problem-solving, decision-making, and real-life applications of their academic studies through our Student Life and Community Service Learning programs which are integral components of the overall educational experience at Foxborough Regional Charter School.

The Foxborough Regional Charter School will commit itself to providing a supportive, professional, and challenging environment for its Teachers and Staff which recognizes the value of professional development, creativity, and initiative. We will constantly seek new ways to allow our Teachers and Staff to perform to the best of their potential in a collegial atmosphere which recognizes unique talents and the commitment to excel.

Standards-based Practices for our Learning Today

Standard IV: Professional Culture. Promotes success for all students by nurturing and sustaining a school culture of reflective practice, high expectations, and continuous learning for all staff.

Indicator IV-D: Continuous Learning. Develops and nurtures a culture in which staff members are reflective about their practice and use student data, current research, best practices and theory to continuously adapt instruction and achieve improved results. Models these behaviors in the administrator's own practice.

Element IV-D-2: Continuous Learning of Administrator. Using relevant data, research, and best practices, regularly reflects on and improves leadership practice, sets meaningful goals, and develops new approaches to improve the efficiency and practice of the district.

Theory of Action: An “if, then” Statement

If we design a strategic, systemic, sustained, multi-year approach to school improvement and student achievement, **then** we will fully implement action steps that lead to responsive leadership moves.

Measure: By June 2022

- Design and enact meaningful professional learning
- Provide strategic support to educators and staff
- Determine the impact of the professional learning
- Determine the outcome and relevance of various assessments

FRCS Highlight: High School Science

- Learn about the tremendous learning that is occurring in High School
- Appreciate the outstanding instruction that our High School Science educators are implementing with strong integrity
- Celebrate the positive impact that our scholars are experiencing

FRCS HS Science Department

Overview for SY 2021-2022

- Goals
- Learning Experiences
- Upcoming Events
- Future Plans

In the end, it's the people who are curious who change the world.

- Neil deGrasse Tyson

HS Science Department Goals

1. Encourage curiosity and inquiry based learning
2. Back to Basics! Hands on activities and laboratory experiences
3. Identify and bridge skill gaps for both labs and assessments (MCAS)
4. Continue to grow our STEM and Science Fair program



Learning Experiences

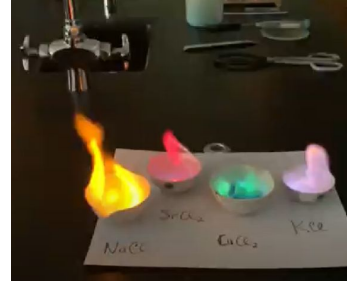
Post COVID year has been a challenge but also exciting for teachers and students.

- Students are engaged in laboratory exercises for the first time in years - some very first time!
- Balancing “Cookbook recipes” with “Inquiry based” lab experiments.
- Added Technology and Google Classroom is a huge advantage!

Variety of science disciplines provides infinite possibilities for students.

- Projects - Element Project, Animal Research, Mock Crime Scenes, Environmental Analysis, Plant Growth Experiments and Gardening, House Construction, Outdoor Classroom Design and Hydraulics Machines.

Students have been engaged in hands on lab experiences. Some using microscopes for the first time!



Opportunities happen outside the classroom as well. Outdoor gardening projects!



Images from Social Media - @ScienceFRCS



Illustrating biogeochemical cycles with chalk on a nice day!

Student taking accurate measurements for an enzyme lab.



Group work, following procedures and recording data!

Upcoming Events

Science Fair - January 25th

MA State Science Olympiad Competition - March 19th
Team of 15 freshmen through seniors - all levels welcome

Chemistry Guest Speakers - Nuclear Sub Engineer spoke
with chem classes via google meet on December 6th

MCAS Prep - LEGO and IT Class

STEM Program Meetings



Future Plans

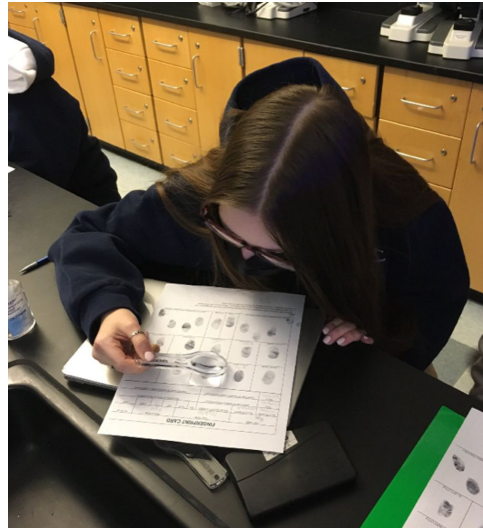
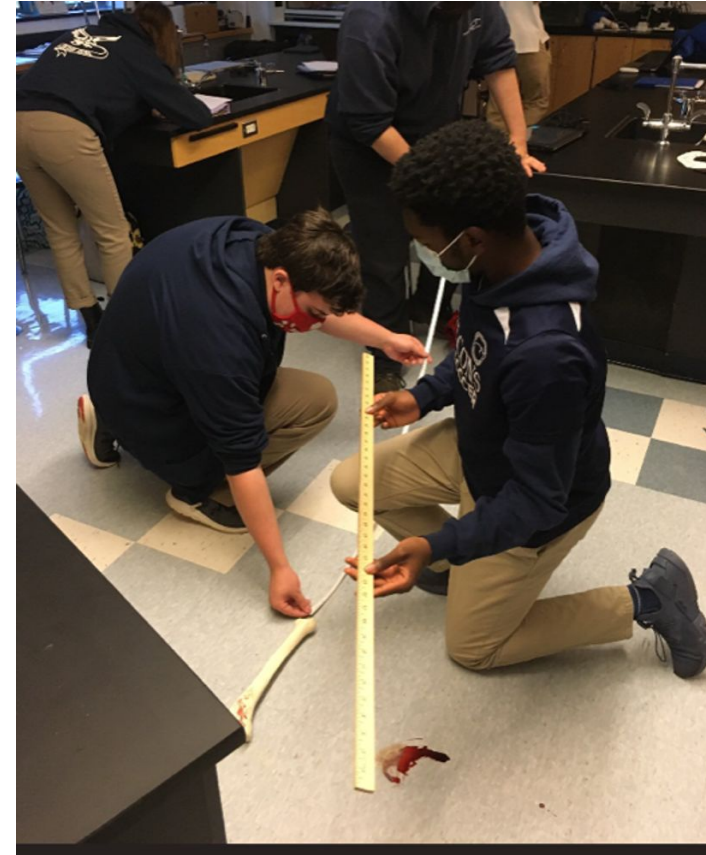
Growth and enhancement of curriculum - Understanding by Design (UbD) - [Example UbD](#)

Evaluation of course offerings

STEM and Science Fair Program

Lab Equipment to compliment current and future course offerings
- STEM Grant awarded of nearly \$50K!

Crime Scene Analysis - students engaged in collaboration and inquiry based learning



FRCS Highlights

- Turkey Brigade in partnership with Personal Best Karate
- FRCS Debate Team
- Giving Tuesday
- Winter Sports have started

Winter Break

- December 23rd is a half day
- December 24th - December 31st
- January 3rd Return to classes