

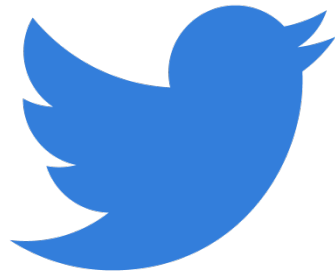
Cape Cod Five's 17th Annual Educational Mini-Grants Awards & Reception



Wednesday, February 15, 2017
Tilden Arts Center
Cape Cod Community College

Engage with us

Share **your** project and other projects that inspire you:



@CapeCodFive

#MiniGrantsBigIdeas

www.capecodfivefoundationminigrants.org

Barnstable Community Horace Mann Charter Public School

Kelly White

BCHMCPS Literacy Night: Journey to 1,000 Books

This literacy night for families will focus on the importance of reading and why and how to read to children. A guest author will open the evening which will include educator staffed literacy stations throughout the school, covering technology, fluency, word skills and selecting appropriate books.

Barnstable Community Horace Mann Charter Public School

Catherine Hamilton-Milne Math Fun and Games

This program will use engaging, hands-on activities to help students who are at risk for failure in math while providing flexibility for different students' specific needs.

Barnstable Community Horace Mann Charter Public School

Patrice Michael & Alyssa Chase Sew What?

Students will design and sew quilts using recycled and reused materials. The finished projects will be donated to refugee children through the “Quilts beyond Borders” program, serving needy children in under-served areas of the world.

Barnstable High School

Carol Chamberlain Hebert Bluetooth Speaker for Math Class

This project will provide access to audio presented in different portions of class, specifically with case studies and other problem solving situations.

Barnstable High School

Beth Anderson

Crime Scene Photo Documentation

Students will learn the art of photography for crime scene investigation including lighting, focusing, and the camera's macro function as well as how to compile the photographs into a portfolio for crime scene investigation. This project will also touch on the importance of writing for a specific audience – in this case lawyers and/or jury members.

Bourne High School

AnnMarie Strode & Kelly Cook

All About Bourne – Service Learning Project

Students will complete research on the Town of Bourne through resources at the Bourne Historical Society and create a display piece that includes imagery and words. This project focuses on students discerning interesting and important information from research then collaborating with the Graphics Art area to design a piece for display.

Cape Cod Collaborative - Bourne

Lauren Maggiacomo

Art for Activism

Unite students into one community through a school wide mural promoting activism. While working on this project, students will be able to process negative feelings into art and cultivate empathy through an activity that promotes a caring environment.

Cape Cod Collaborative - Osterville

Beth Kerr

Garden Project Outdoor Classroom

Through all aspects of gardening, from planting to harvesting and food preparation, students will have the opportunity to work with teachers, therapists and educational support personnel to integrate sensory experiences, learn life skills, gain exposure to community service, improve understanding of nutrition and develop a sense of teamwork.

Cape Cod Collaborative - Osterville

Patrice Fraser

Listen and Learn

Students will have the opportunity to listen to a story while seeing the words in print, allowing them to develop an affection for books and reading. This project is flexible, supporting individuals or small groups, and will allow the school to further develop the library of books available.

Cape Cod Collaborative - Osterville

Christine Dailey

Little Books for Big Readers

Early readers with special needs will have access to a variety of books of increasing difficulty, allowing the students to develop fluency and be successful. These books will be used for independent practice at school and home, building continuity between the classroom, specialist and home environments.

Cape Cod Lighthouse Charter School

Kathryn Wilkinson

Our Kenyan Pen Pals

Students will be partnered with a pen pal in Machakos, Kenya, and will be writing letters, sharing photos and videos, and exchanging community mementos throughout the year to develop an understanding of different cultures and ways of life.

Cape Cod Regional Technical High School

Nancy Knight

Senior Project Scholarship Fund: Class of 2017

This project encourages stronger independent thinking and decision making skills while students learn something of interest they select. Students consistently strive for greater rigor in both academic and technical learning during their senior project.

Chatham Elementary School

Meghan Lampert

Home-School Connections: Literacy and Culture

Multicultural and bilingual books will be sent home each week for students to read with their parents. This allows a parent to read in their native language while the student reads in English and will increase literacy of English Language Learners and promote engagement with their families.

Dennis-Yarmouth Regional High School

Dale Fornoff

Commitment Day for DYRHS Seniors

Graphic design students will create signs to be incorporated as props into a photo booth for senior students as they celebrate their post high school plans. Commitment Day is May 1 and celebrates students' intentions on furthering education and inspires students to achieve.

Dennis-Yarmouth Regional High School

Kristofer Hansen

Robot Prototyping with Arduino

Students will integrate digital components through creative problem solving and innovation while building functional robot prototypes, coding and programming. This will present their projects and communicate their successes and challenges.

Eastham Elementary School

Catherine Graciano Calmer Choice Pilot

Third grade students will increase their ability to self-regulate as individuals and as a group. Students will develop life-long skills to reduce stress in their daily lives and develop coping mechanisms for when they encounter stress.

Eastham Elementary School

Muriel Brown

Everybody Designs, Engineers and Makes with Children's Literature

Using familiar children's literature, students will identify a problem then use the designing, engineering, and making process to develop a solution. This project will develop student's creative and inquisitive natures and familiarize them with the design process.

Eastham Elementary School

Amy Frye, Kathy Davis & Morgan Stewart
Touch & Grow

Sensory integration activities will be used by students to regulate and process information taken in through their five senses to facilitate learning and social functioning.

Eddy Elementary School

Nancy vonWahlde

Inventors, Coders and Animators, oh my!

Students will create animation videos, code adventures and projects for robots, and use circuitry kits to animate their own inventions.

Eddy Elementary School

Patricia Marchant

Rhythm and Ribbons

Third grade students will develop and use basic music skills while working in a group. Students will learn a routine that they will perform while marching in the Brewster in Bloom parade.

Falmouth High School

Cheryl Milliken

MATE ROV Competition

High school students will collaboratively design and build a remotely operated vehicle capable of performing tasks and manipulating objects underwater. Students will compete with other high school teams across New England.

Falmouth High School

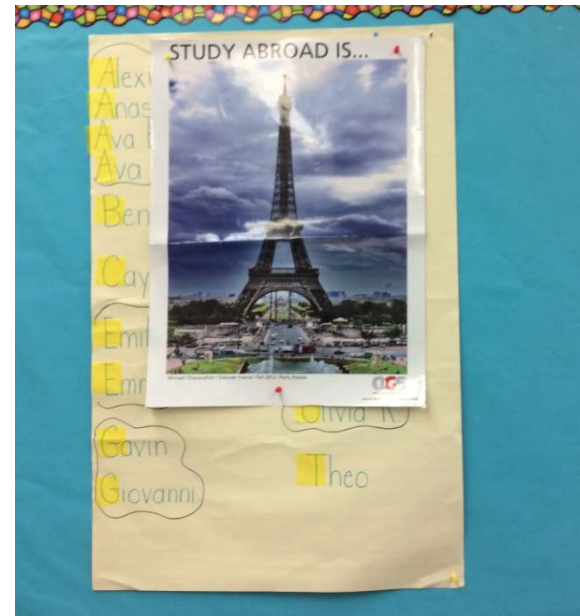
Jane Baker & Aimee Maseda Morse Pond Wishing Tree

Students will design and create an oversized tree puppet, including creating 500 individual leaves by hand, which will help to increase awareness and knowledge of Arbor Day throughout the school.

2016 Highlight

Creating, Designing and Building in Kindergarten

Mary Van Cleef & Barbara Noble
Forestdale Elementary School



2016 Highlight

Creating, Designing and Building in Kindergarten

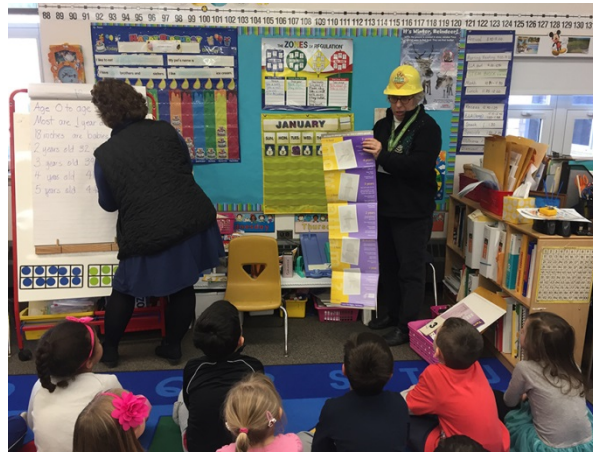
Mary Van Cleef & Barbara Noble
Forestdale Elementary School



2016 Highlight

Creating, Designing and Building in Kindergarten

Mary Van Cleef & Barbara Noble
Forestdale Elementary School



2016 Highlight

Creating, Designing and Building in Kindergarten

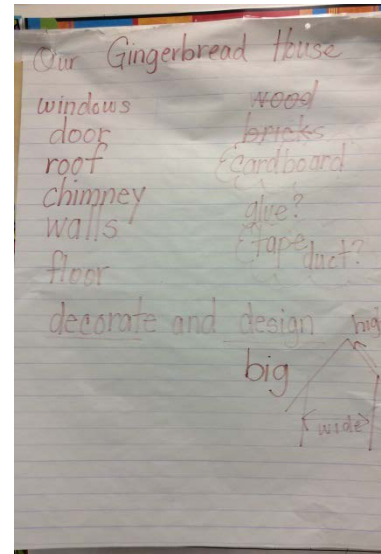
Mary Van Cleef & Barbara Noble
Forestdale Elementary School



2016 Highlight

Creating, Designing and Building in Kindergarten

Mary Van Cleef & Barbara Noble
Forestdale Elementary School



Forestdale Elementary School

Mary Van Cleef & Barbara Noble

Creating, Designing and Building in Kindergarten

Through critical thinking and problem solving, students will study architectural structures across the world, then design and build one together.

Harwich Elementary School

Donna Chase, Jamie Vient & Alison Burton “Cooking” Up Positive Behavior

Literature and activity guides will be used to promote positive behavior in elementary school students. Students will learn to be respectful, responsible, safe and ready to learn.

Hyannis West Elementary School

Moira Bundschuh Bundle Up and Read

This project will foster a love for reading in kindergarten students by transforming the classroom into a fun, engaging campsite atmosphere, complete with tents and sleeping bags, for students and their families to read to each other, have snacks, crafts and sing campfire songs.

Hyannis West Elementary School

Christine Yezukevicz

It's For the Birds

A bird-friendly environment with feeders and birdhouses will be created outside the classroom window. Students will record data and journal the colors and types of birds as well as how much seed is eaten while witnessing the cycle of nature first-hand.

John W. Decas School

Darlene McQuade

Lego Exhibition Wall

As part of the interactive imagination playground, this project will provide students a tool to foster creativity and uses the basic principles of STEM exploration and learning to excite and motivate learners in different ways.

Kenneth C. Coombs School

Margaret Mitchell & Katie Martin Mashpee Marathon Monday

Second grade students participate in running while learning how to properly warm-up and cool-down, developing accountability, teamwork and self-confidence, and learning the history of the Boston Marathon.

Lawrence School

Bob Porto

Expanding the Engineering Curriculum with Competitive Construction

Students will participate in collaborative projects, encompassing various subjects. The “Iditarod” involves students making race carts and competing on a mile-long course after they watch the race for a week in real time. A “DaVinci Dash” requires students to build carts that have pendulums, catapults, pulleys, and steering mechanisms to compete in physics-based stations around the school.

Lawrence School

Joseph Morency Fishing for Life

While exploring a local pond or beach, students will engage in science class pond studies by fishing and observing the local fauna. Students will also learn the importance of our natural resources, environment, and the recreation and the tourism industry.

Lawrence School

Christine Brothers, Kristina Woods, Celeste Cruse & Judy Harbison

Vernal Pools: Restoring Wetlands Habitats

Students and science teachers will be involved in the design, construction and landscaping of a vernal pool wetland at the Lawrence School. This creates an outdoor learning laboratory, providing accessibility to students on a regular basis and allowing for long-term ecological monitoring for science, math, art and engineering lessons.

Lawrence School

Kristina Woods

What a Relief!

To help students understand challenging, abstract concepts in scale, structure, math and graphing, this 3D printing project provides a concrete, hands-on learning approach for students. Students will develop a topographic map in 3D – CAD design system, which can be printed.

Marguerite E. Small Elementary School

Kathleen Healy & Susan Anarino School Ukulele Project

This project will allow all students who participate in the school's growing ukulele ensemble the ability to have an instrument they can play on and take home for practice. Students' improvement in playing and performing will increase self-confidence.

Martha's Vineyard Regional High School

Leah Palmer

Interpretation Made Easy: Unicom System Bridging Multi-lingual Families and the School Community

This program will provide flexibility and access to information, and increase engagement and involvement for the growing population of English Language Learning students and families in the Martha's Vineyard Regional school system.

Mashpee High School

Colleen Terrill & Amanda Hough Empowering Students to Globally Connect

Through global collaboration, students, teachers and administrators from Mashpee High School will work with those in Perth, Australia to create real world solutions and provide sustained and meaningful support for high school students in Laos.

Mashpee High School

Lisa Holmes

Mashpee ProStart Goes to Competition

For the first time in school history, ProStart Culinary students will be competing at the state level competition. This project will allow students to prepare in advance to compete at their highest level.

Mashpee High School

Amanda Hough

Movies about Making in Mashpee with HUE Animation

Students will design and create a movie and share the process of “making” through scripting, story boarding, producing, capturing footage, editing, and publishing the short films about knowledge they gained through the project.

Mattacheese Middle School

Regina Wood

Headstarting Spadefoot Toads

In collaboration with the Mass Audubon Society, seventh grade students will head start spadefoot toads by raising and nurturing them in their classroom. Students will learn the important impact they make in the ecosystem.

Minot Forest Elementary School

Teresa DeFilippo

Dash and Dot Programming Robots

Students will write programming code and see their programs come to life, incorporating the Engineering Design process and building on a foundation and interest in STEAM fields.

Minot Forest Elementary School

Lisa Ottaviano

Lettuce Grow a Garden

Students will learn about the plant life cycle through planting and growing vegetation and monitoring a worm composter. Students will then harvest and are able to consume plants from their project.

Minot Forest Elementary School

Michelle Houghton

Sensory Items for Classroom

Sensory items such as fidget toys, brushes, chews and bouncy balls will be used to help students overcome challenges with touch and texture, and foster more positive social interaction skills, hand/eye coordination, and motor abilities.

Monomoy Regional Middle School

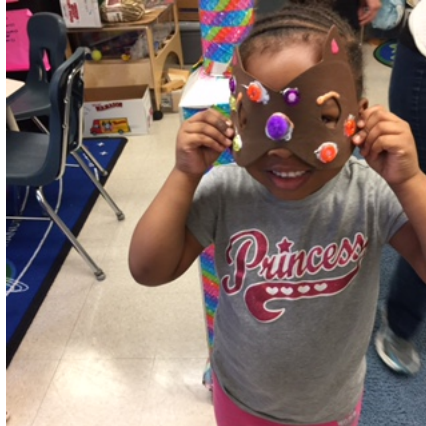
Mike Newby & Gordon Napier Making Music with Sound Science

Students will build instruments from PVC pipe and connectors. They will learn how to adjust instrument components to understand how sound is produced and how to create specific tones.

2016 Highlight

Everybody Designs, Engineers and Makes with Children's Literature

Maggie Brown • Eastham Elementary



2016 Highlight

Everybody Designs, Engineers and Makes with Children's Literature

Maggie Brown • Eastham Elementary



Nantucket Elementary School

Kara Carlson

Engineering is Elementary

Fifth grade students will be introduced to engineering and project-based learning through “Engineering is Elementary” units developed by the Boston Museum of Science.

Nantucket Elementary School

Taylor Murphy, Megan Abbott, George
MacLellan, Liz Daume & Mary McGuinness
STEM for Kindergarten

This project will allow students to learn about force, motion, and cause and effect through STEM related activities and experiments while problem solving and working together.

Nantucket High School

Jessica Douglas

Intro to Nursing & Allied Health

This program, now in its second year, will provide students exposure to different career options in the healthcare industry through guest speakers, trips to the hospital, and performing basic hands-on skills and patient assessments.

Nauset Regional High School

Kathleen Tringale Electric Circuit Boards

Throughout the year, ninth students learn introductory physics concepts, including electricity. Students will write a book and create an electronic game board, with concepts from their book, to present to fourth grade students.

Nauset Regional High School

Richard Tichnor Student Garden

Interested departments and students will use previously approved design plans to collaboratively build and develop a half-acre garden space, with a stage area as the focal point.

Nauset Regional High School

Andrew Clark

Yellow Dress (Prevent Dating Violence)

Through a one-woman play, depicting the true story of a young woman who was a victim of fatal dating violence, students will learn to identify types of abuse, early warning signs, how to help someone in an abusive relationship, the important role of a bystander, local resources and reporting options.

Nauset Regional Middle School

Leslie Pirtle

Competitive Robotics with STEM Network

Students will create robotics and take part in three competitions: MATE competition in underwater robotics, Robotics Challenge at the MakerFaire, and Solar Print Challenge with the STEM Network.

Nauset Regional Middle School

Brandy Jackson

Gathering Up STEAM

This project will allow students to learn sustainable gardening methods, upcycle school waste into new, usable products, and understand the importance of choosing native plants and how that supports the local food web.

Nauset Regional Middle School

Shannon Bertrand & Sue Carnathan Integrated STEAM Project in Greenhouse Learning Lab

Students will develop succulent gardens in the Greenhouse Learning Lab and learn the differences between succulents and other deciduous plants. 3D printers will be used to create pottery containers, in which the succulents will be planted, and then sold at the Orleans Farmer's Market. Students will learn product pricing based on materials, labor, and utilities.

Nauset Regional Middle School

Reva Blau

Pilot Compost

Students will run a composting program, while exploring the ecological effects of throwing away plastic utensils. Students will have the opportunity to use biodegradable utensils and work with a local farm where the utensils will be composted in professional equipment, and the soil will be returned to the NRMS Greenhouse.

Nauset Regional Middle School

Susan Murray

Plastic Bottle Recycling

This project will encourage plastic water bottle recycling with students by making recycling bins more visible and visually appealing.

Oak Ridge School

Carly Smith

MaKey MaKey Coding

Through a hands-on approach using circuits, students will invent, build, and code new methods for resource conservation. This will allow students to solve abstract problems physically.

Oak Ridge School

Kristin MacDonald, Kara Black & Carly Smith

Oak Ridge Outdoor Classroom

A student-created space will encourage curiosity, creativity, community and collaboration. The space will include an outdoor gathering space, garden, eating area, and mural.

Old Colony Regional Vocational Technical High School

Rick Dutra

Intro to ROV and Drone Technology using STEM

Students will learn real world applications of STEM-based learning through building, programming, testing, and operating a remotely controlled hexacopter drone.

Old Rochester Regional High School

Rebecca Okolita

Garden and Greenhouse

By building a greenhouse and organic garden on school grounds, students will learn about gardening and working with the community to develop vocational, social, safety, and life skills. After harvesting, the produce will be sold at a local farmer's market.

Old Rochester Regional High School

Michael Devoll & Megan Hall Shark Tank

To build upon the school's "Creativity, Innovation and Inspiration" course, and further develop student's skills in leadership, creative-thinking, and problem-solving, a "Shark Tank" contest will be held, where students will develop their idea and business plan, then present it to a panel.

Old Rochester Regional High School

Michael Devoll & Michael Linane

Students Working to Advance Technology (SWAT TEAM)

Through a hands-on problem-solving approach, students will staff a school technology help desk and provide solutions to student and teacher technology problems. Through the program, students may also pursue an independent learning pathway and develop a project with positive community impact

Old Rochester Regional Junior High School

Carol Herrmann, Scott McElroy, Silas
Coellner, Susan Wheeler & Kevin Brogioli
Makerspace

A mix of high-tech (AV equipment and electronics) and low-tech (textiles, craft supplies) will be used to create a makerspace for students to create, collaborate, tinker, and experiment in a tangible way.

Orleans Elementary School

Charles Hollander-Essig, Cirrus Farber,
Kara Yuen & Sharon Hughes

Light Up the Stage!

This project will enhance live performances presented at the school and allow the audience to clearly focus on the performers to enrich the overall experience.

Orleans Elementary School

Joanne Harrington & Kara Yuen Makerspace 3D

To add value to the Orleans Elementary School Makerspace and further engage students in STEM learning, fifth grade students will use a 3D printer to print prototypes designed during their STEM Lab classes.

Orleans Elementary School

Paul Gregg & Paula Perrone

The Cape's Most Famous Lighthouse: Highland Light

Students' learning will be supported through supplement book readings based on the STEAM subjects. Students will make classroom presentations with fourth and fifth grade students visiting Highland Light.

Peebles Elementary School

Heather Sivil

Dyslexie Library

A section of the library will provide students with reading disabilities books that are specifically designed to limit the amount of typical difficulties they have when reading text.

Peebles Elementary School

Adam Lyon

Teaching Culture Through Music

Students will learn Renaissance Music and culture through cross-curricular learning with Art and classroom teachers.

2016 Highlight Commitment Day for DYRHS Seniors

Dale Fornoff • Dennis-Yarmouth Regional HS



Quashnet Elementary School

Mairead Mayen & Coleen Blount Native American Days

Throughout the day, students will deepen their Social Studies and English Language Arts understanding by experiencing aspects of local Wampanoag culture at different stations. Local tribe members will be included in this hands-on approach to learning.

Quashnet Elementary School

Suzanne Avtges

The Right Choice Store

Students demonstrating positive behavior: safe, respectful, responsible, ready to learn, and caring for one another, can earn “Right Choice” tickets to redeem in the school store.

Rochester Memorial School

Sandra Sollauer

RMS Maker Space

A Maker Space will be created in the school library where students can complete theme-based challenges collaboratively or independently in the following areas: Artistic Creativity, Building/Design/Architecture, Simple Machines, and Energy and Electricity.

Sandwich STEM Academy

Renee Fudala

Zombie Bee Citizen Science Watch

Through this project students will collaborate with Planet Bee Foundation and the San Francisco State University to document whether honey bees in Massachusetts are being infected by a zombie fly parasitoid.

Stony Brook Elementary

Jennifer Rogers

Stony Brook Sensory Garden

To broaden the existing Sensory Garden, this year's project will enhance sensory features and the appeal of the school's garden. Each student will also design a rock for the "kindness rocks" path.

Sturgis Charter School - East

Kate Dunigan-AtLee

Sturgis Cooking Club: Feeding Bodies, Hearts, and Minds

High school students will explore questions and societal messages about food while learning to cook simple meals. This project will have students explore food preferences, build independence, and have a creative outlet in the culinary sector.

Sturgis Charter School – West

Kristine May

SeaPerch Marine Robotics

Students will learn to construct their own ROVs then build them, test them in underwater challenges, make repairs and then enter them into regional and potentially national competitions.

Teaticket Elementary School

Lynn Van Etta & Stacey Boudrot Kindergarten – The Time of Our Life!

This project will develop students' understanding of timelines while they put together a memory book of their year. Personal and educational events throughout the year will be photographed and then students will choose their photos, assemble them into a book, and write descriptive labels or comments.

Teaticket Elementary School

Kelly Geist, Tiffany Miranda, Nichole
Freeman & Kelly Farwell

We Like to Move It, Move It!

Through cross-curricular learning in Science and English Language Arts, students will experience force and motion by creating a game that uses these concepts and present it at the science fair.

Upper Cape Cod Regional Technical High School

Sheila Leonard, Jennifer McGuire &
Rachel Kerrigan

Does Money Grow on Trees? A Workshop
Series on Life Beyond High School

A series of presentations for students will include practical life skills topics, such as financial management, time management, credit, and social skills.

Wareham Middle School

Carl Junier

Agricultural Sustainability

Students will develop a sustainable, educational, and productive agribusiness through active participation in all aspects of raising chickens in the school's outdoor classroom.

Wareham Middle School

Toni Thatcher

Cooking with Science

Performing experiments and activities with cooking will help students strengthen skills in proper etiquette, cooperative learning, healthy eating, and science and math.

Wareham Middle School

Meghan Costa

Proloquo2go for Daily Life Skills

This project will allow students who are nonverbal communicators to use a specially designed application to facilitate communication through pictures when students are in the community.

Wareham Middle School

Brian Fitzgerald

WMS Geography Bee

Students will broaden knowledge in world geography, history, and events, then test their knowledge through a school contest and participation in the National Geography Bee.

Wellfleet Elementary School

Claudia Cope & Stephanie Rein Amazing Adaptations

Through this project students will learn how organisms, specifically plants, adapt to survive in a particular region and in specific weather conditions.

West Tisbury School

Lauren Serpa

3rd Grade STEM

Students will learn about balance and motion and how force acts on different structures while reading “Javier Builds a Bridge.” After the lessons are complete, students will plan, build, and test their own bridges.

West Tisbury School

Karl Nelson

Animals for Dissection

Students' understanding and comprehension will be deepened in the anatomy and physiology of animals, the structures and functions, connections and relationships in systems, and flow of matter and energy through the dissection of animals.

West Tisbury School

Dyan Demers

Bird Watching

By using binoculars in an outdoor classroom, students will study birds in their habitat then develop observations, drawings, and models of different types of birds.

West Tisbury School

Kristine Cammorata CPR First Aid

During their elective period, students may take a CPR training course, which provides knowledge of the most updated CPR training, emergency response preparation and allergy guidelines.

West Villages Elementary School

Maggie Donahue & Marybeth Capobianco Turtle Release at Sandy Neck Beach

Students will learn about the life cycle of the native terrapin turtle, characteristics of the wild life of Cape Cod and the importance of raising the turtles in an environment safe from predators. Students will then release their turtles at Sandy Neck beach.

2015 Highlight Illuminated Drums

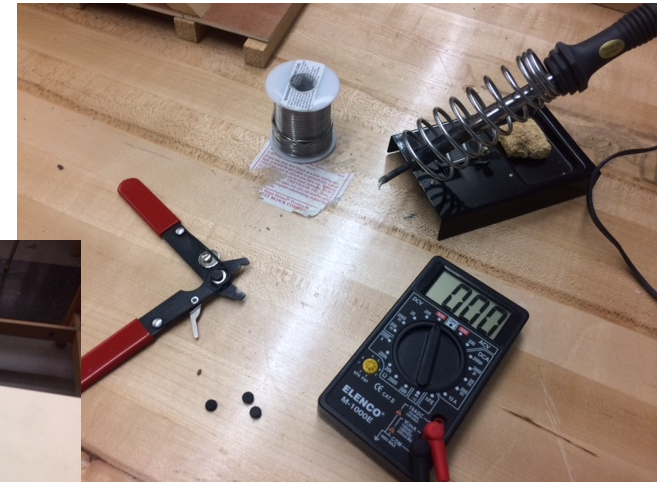
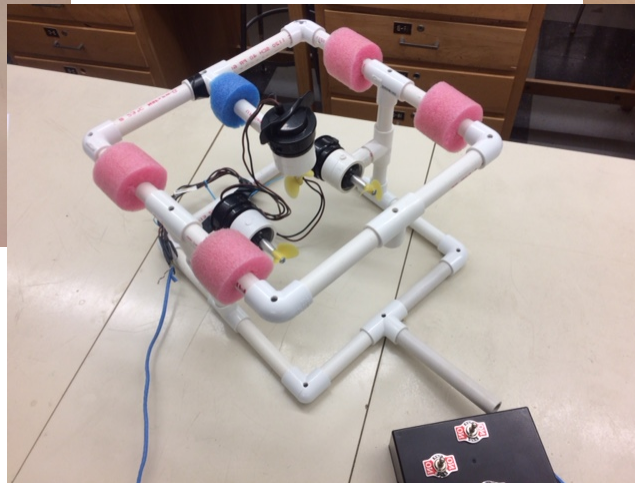
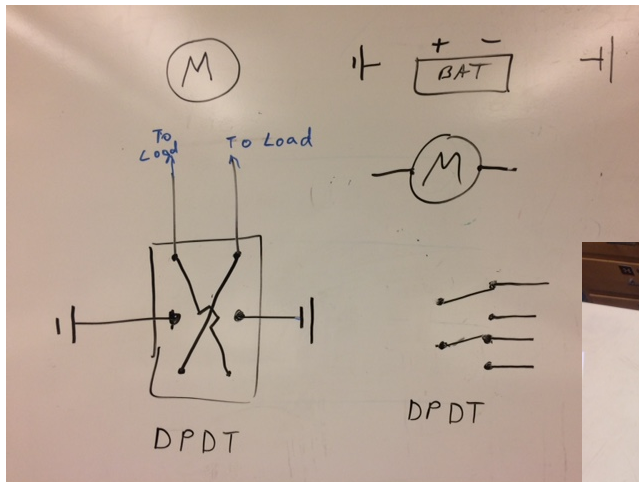
Megan Anthony • Nauset Regional Middle School



2015 Highlight

Underwater ROV Design and Fabrication

David Arnold • Wareham High School



2015 Highlight

Underwater ROV Design and Fabrication

David Arnold • Wareham High School



2014 Highlight

An Art Bridge to Understanding

Jane Baker • Falmouth High School

Hi! My name's Olivia and I'm a senior in high school living on the Cape. I enjoy making art, especially drawing and painting portraits. I also really enjoy singing, playing ukulele, and taking pictures. I plan on studying counseling, psychology, and art therapy when I go into college. I also have a crazy black cat named Irma, as depicted in one of my pictures. Our class can't wait to hear from you guys.



2014 Highlight

An Art Bridge to Understanding

Jane Baker • Falmouth High School



Thank You!



The Cape Cod Five Cents Savings Bank Charitable Foundation Trust

www.capecodfivefoundationminigrants.org