

WELCOME!

Bendwood SPIRAL Orientation

May 5, 2019



YOUR EXCITING DAY AT BENDWOOD



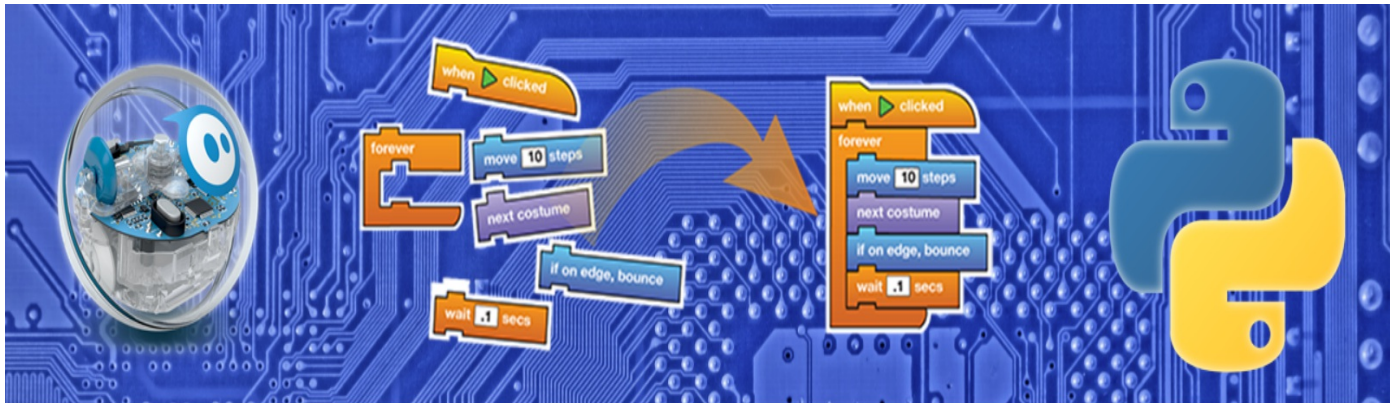
- **Arrive By Bus at 8:30**
- **Report to Class/Prepare for the day!**
- **Focus Activity**
- **Review Homework**
- **Unit Lessons Begin**
- **Lunch**
- **Recess**
- **Unit Lessons Continue**
- **Newsletter –Have Your Parents Sign!**
- **Depart For Your Home School at 2:00**



YOUR SPIRAL TEACHERS ARE...



Stephanie CHAMBERS
Susan de CONCEICAO
Ashley KOPCZYNSKI
Annie MITCHELL
Molly NIPPER
Polly OSEI
Iain PACE
Sandra RAMIREZ
Mary WALKER



CODE CREATE COLLABORATE - PROGRAM ON

Stephanie Chambers



Computer Science is everywhere!

- Scratch Coding – create your own video game
- Programming with Ozobots and Spheros
- Taking apart a Computer
- Python Programming – writing lines of code
- Circuit Board Programming – LED Lights, Motor





Adventures In Wild Weather!

Susan de Conceicao



Overview

- Introduction to Meteorology
- Our Neighbor, the Sun
- A Sky Full of Clouds
- World Climate Zones
- The Wrath of Mother Nature

**Raining fish
from the
sky!**

Fire Whirls!

Sun Pillars!

**Pyrocumulous
Clouds!**

Roll Clouds!



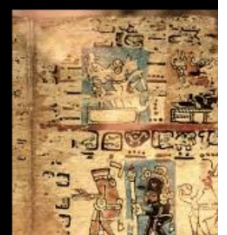
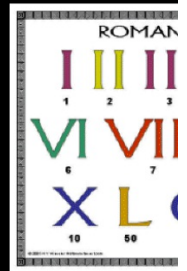
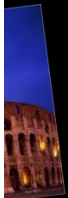
**We will be embarking on a
journey through civilizations
from around the world!**



**My name is Ms. Kopczynski
and I will be your guide!**

Ancient Civilizations!

- We will discover how the Ancient Chinese, the Mayans, Romans, Greeks, Egyptians and Mesopotamians lived!
- We will crack the codes of ancient number systems!
- Use geometry to see how famous buildings and structures were created!
- Learn about myths and legends!





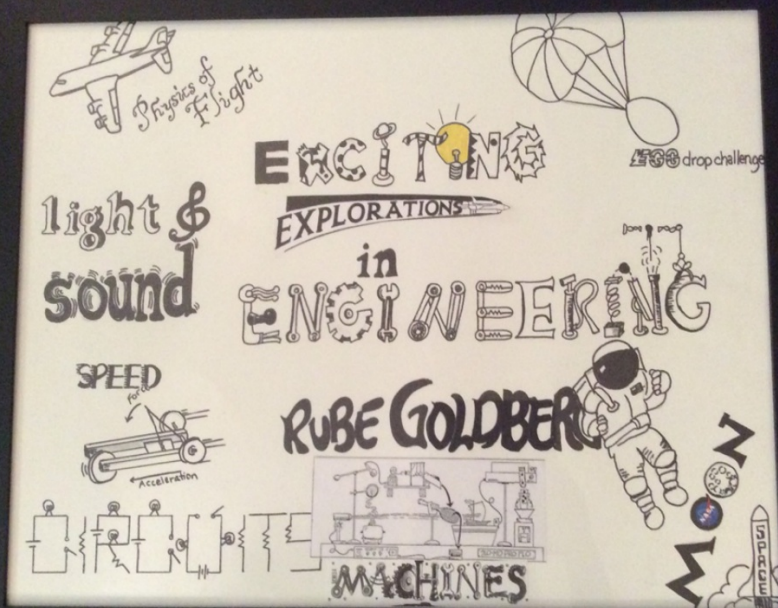
A Penny Saved Is A Penny Earned

with Ms. Mitchell



Exciting Explorations in Engineering

STEAM with Mrs. Nipper



Build Your Own
Rube Goldberg Machine



Exploring Aerospace Engineering



Mars Atmosphere and Volatile Evolution Mission



Mission Patches





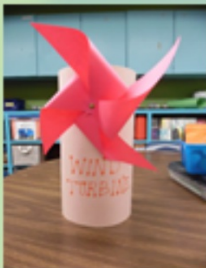
Our Energetic Earth

Lessons over our Earth and her
Natural Resources

Polly Osei

Bendwood SPIRAL

What on Earth do we do in this class?



Study Wind Energy by constructing wind turbines that really do work.



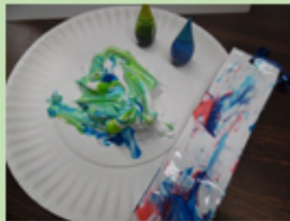
Test radiant energy using our own solar ovens to cook s'mores –YUM!



Answer intriguing questions like: Is the asthenosphere really Oobleck?



Make a Biomass Bottle using sugar and yeast.




Create marbled bookmarks using a petroleum product – Shave Cream.



Build an Offshore Derrick using Knex – it's harder than it looks:/



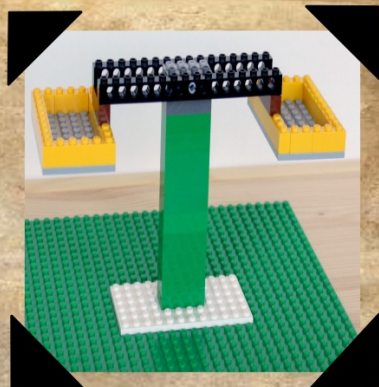
THE AT  OM'S FAMI

S.P.I.R.A.L.

2019-20

Mr. Pace

ty Colors,
Bogen

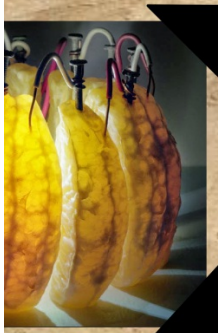


LEGOs are a
tool for chemistry



Fun

ries

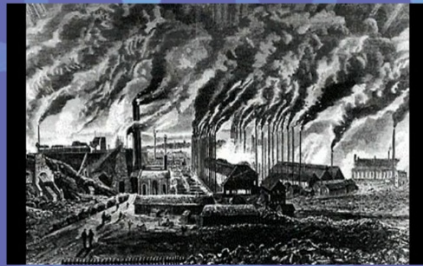


Vostic Pile

DIY Slime



From Rocks to Robotics With Mrs. Ramirez



Renaissance



Industrial Age



Wartime Technology

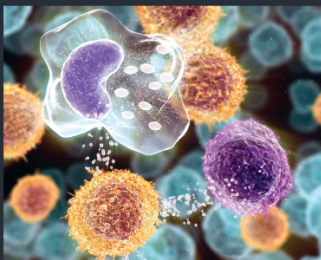
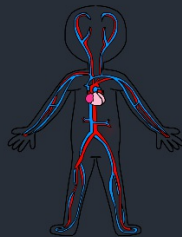


Information Age

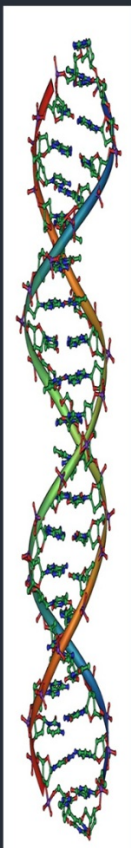


Mysteries in MEDICAL SCIENCE

An Exploration of Biology and Forensics



EXCITING ADVENTURES AWAIT YOU!



- *Human Body Systems and Disorders**
- *Frog Dissections**
- *Medical School in SPIRAL**
- *Forensic Science Techniques**
- *DNA and Genetics**
- *Mystery of the Russian Romanovs**
- *The Bubonic Plague Strikes Bendwood!**



**We look forward to
seeing you in August.**



Enjoy your summer!