

4-6th Grade Enrichment Activities Syllabus

2016-2017

Mrs. Lozano

September: *Goal Setting and Time Management*

-practicum

-tips and techniques

-related subject videos

-motivational online podcasts

-website: classchatter.com

October: *STEM Activities and Projects*

1. Once Upon a Time in the Life of a Comet- Science, Technology
2. Will Your Party Hat Be Funny or Fantastic? - Design, Technology
3. Gold, Storms, and Dinosaurs- Science, Earth Science, and Biology
4. The Crunch on Future Food Research- Science, Engineering

November: *Coding and STEAM Robot Project*

-website: code.org

-website: historicalthinkingmatters.org

-STEAM Robot Instructional Guide with U.S.B. & iPad applications

-online coding for kids' webinar

December: *Presentation and Speech Techniques*

- body language
- projecting voice
- eye contact
- communication and explanation
- use of visuals and technology

January: *STEM Activities and Projects*

1. Computing Without Computers- Math Algorithms, Science, Technology
2. Veritasium of Global Issues- Science, Physics
3. ARKive Collection of Endangered Species & Habitats- Science, Biology
4. Cre8ate Math Economy Plan- Math Formulas

February: *Community Issues & Resolutions*

- online survey taking for positive change
- letter writing to city commissioners for positive change
- article writing and publishing in Community section of Miami Laker for Kids for Positive Change
- website: kidschoicematters.org
- website: educationforjustice.org
- related subject videos

March: *Personal Platforms*

- choose platform to support national awareness
- website: tolerance.org
- create personal campaign for platform
- create PowerPoint and/or Prezi to support cause
- presentation to peers

April: *Interviewing and Researching Skills*

- newscast samples
- related online sample videos
- mock interviews
- expository research steps and outcomes
- recorded interview sessions

May: *STEM Activities and Projects*

1. Reverse Engineering- Design & Technology, Product Design
Laser lights, flashlights, earplugs, hand-held radio, toy robot, camera, and Bop-It
2. Hydroponics- Science, Farming, Hydro-Science