

# STEM Community Consortium

Kick-Off Meeting : February 26, 2019



**Welcome / Purpose**  
**Introductions**  
**Strategic Alignment**  
**Student Showcase**  
**Breakout Brainstorming**  
**Planning for 3/12**



# HCRHS & Active Partnerships

Dr. Jeffrey Moore, Superintendent



# Student Showcase

- **Project**
- **Robotics**

Kristen Postiglione, 12th grade student



# Focus Groups

- **Classroom Presentations**
- **Curriculum Connections**
- **Staff Workplace Visitations**
- **Student STE(A)M Showcase**
- **Fresh Ideas**

## **Next Meeting**

- **March 12, 6:30 - 8:30, IMC**
- **“Next Step” planning**
- **Breakout Group Reports**
  - **See following slides**

## Classroom Visitations

- In-class still best method with hands-on when possible
  - Consider follow-up opportunities for students to connect
  - Build catalog of professionals/places of work that may be potential internship or job opportunities
- Highlight the importance of taking chances, making errors, and learn from the mistakes....Design model
- Highlight that the career paths are not necessarily linear
- Highlight the importance of a strong base, ie. Algebra to then be used in application / creation type of courses

# Computer Science Academy

- Discussed current happenings and focal points
- Some good ideas which came up:
  - Storing code on github provides opportunities for kids to be noticed
  - Girls who code – encourage young women in programming
  - Good jobs available for programmers in:
    - data science
    - Gaming
    - cyber security
    - machine learning



# Student Showcase Events

Currently two main showcases for STEM:

- a) STEAM Showcase- student passion projects  
purpose: forum for students to showcase their work; inspire others
- b) Family Science Night - science 'shows' and demonstrations  
purpose: historically community outreach; now primarily opportunity for SNHS students to meet service requirement

Ideas:

- Multiday STEM fair. One day each to highlight Science, Technology, Engineering, Art, and Math
- Host a local hackathon. Target specific groups such as a middle school hackathon.
- STEM Career Night
- Highlight Capstone courses

# Partnerships

The "Partnerships" group discussed the challenges of traditional "internship" approaches--both for schools and for the hosting organizations. We discussed some alternatives: design challenges in which businesses come into the school with a problem they need to solve, and use students to crowd-source answers; "speed mentoring" in which businesses provide experts to meet in "lightning round" conversations with students to impart career advice; and teacher tours and partnerships so that our educators can see how modern businesses functions. In this discussion, we focused on principles such as ensuring a multidisciplinary approach, capitalizing on opportunities to show real-world applications of pure content, and providing opportunities to all students.