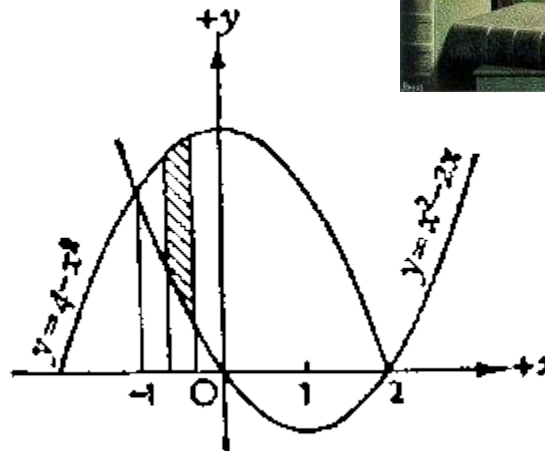
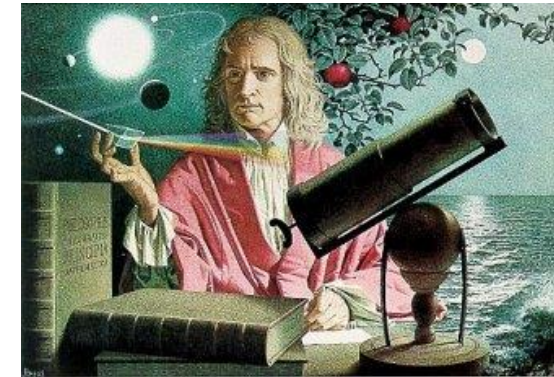


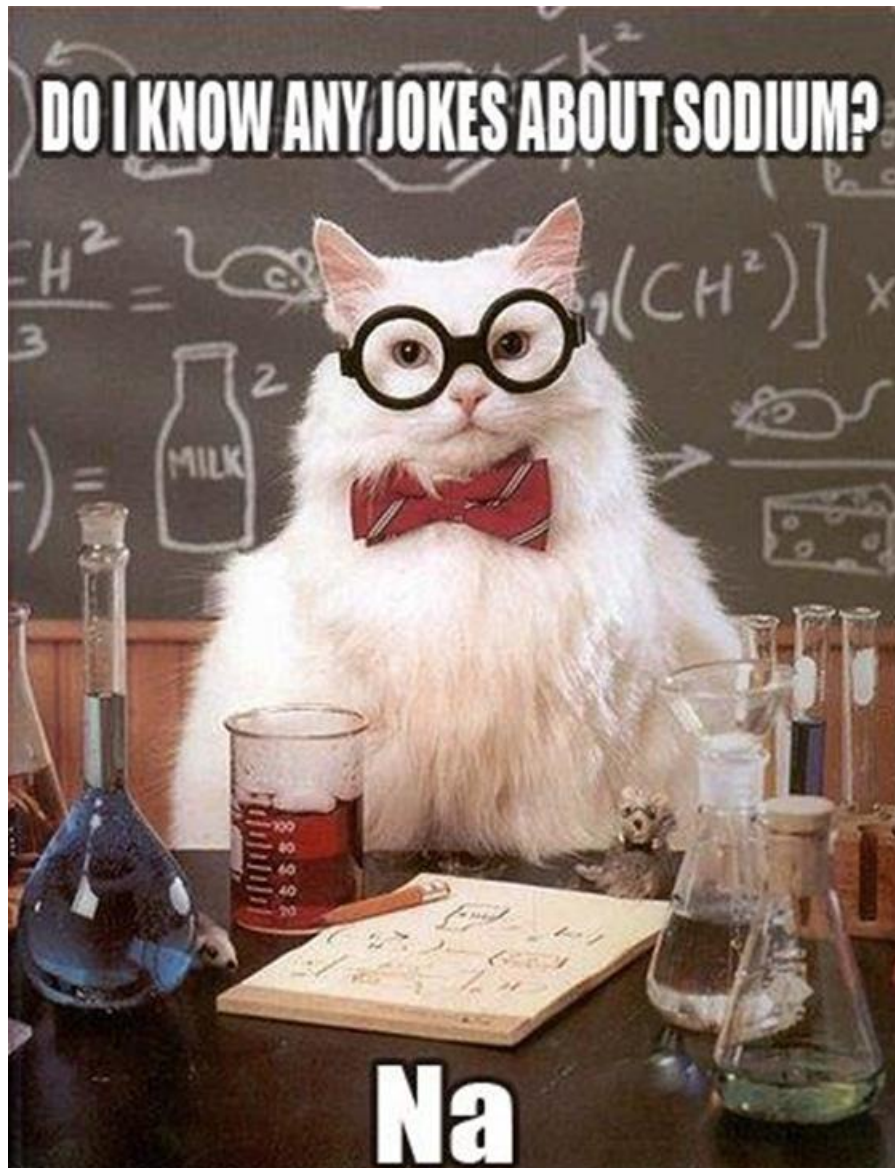
Pine View School

Science Technology Engineering and Math (STEM)

Past, present, and future....



DO I KNOW ANY JOKES ABOUT SODIUM?

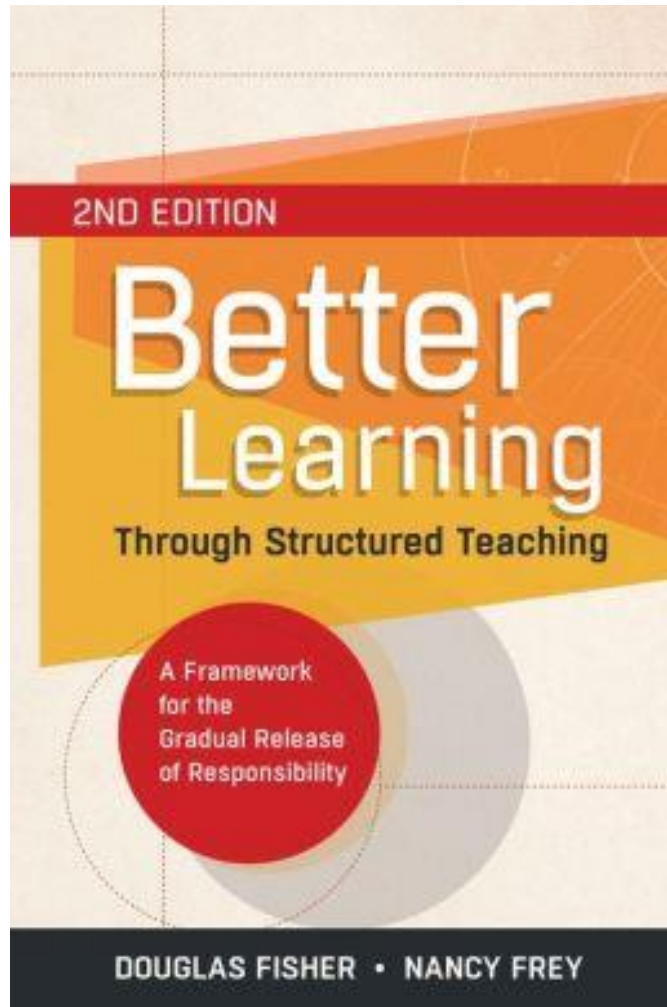


Na

Classrooms of Tomorrow (CoT)

- Lesson Design Model
 - Critical Thinking, Collaboration, Communication, and Creativity
- Primarily middle school
- Math and Science (8 classrooms 1st year)
- Expanding in subsequent years
- Current status-
 - Selecting teachers, begin professional learning, site visits, engineering and architectural work

On-going Professional Learning



Doug Fisher and Nancy Frey
(2014)

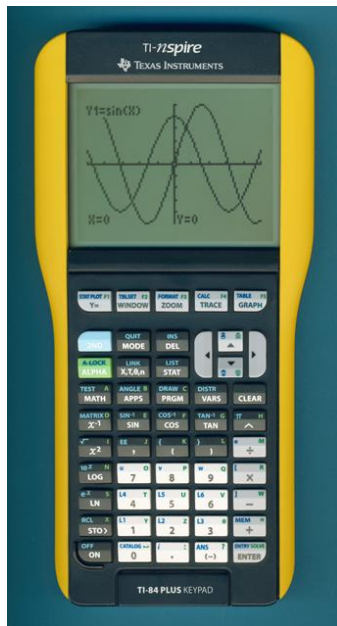
iEngage Model: Inspiring curiosity,
deep thinking, and a love of
learning

*Content Purpose, Language Purpose,
Modeling, Accountable Team Task,
Guided Instruction, and Independent
Learning*

Equipment



- Vernier probeware
- TI Nspire interactive graphing calculators
- Touch screen monitors
- Specially designed tables and chairs
- Instructional door wraps and wall coverings
- Digital microscopes
- Special flooring for science classrooms



Sample Classroom Design

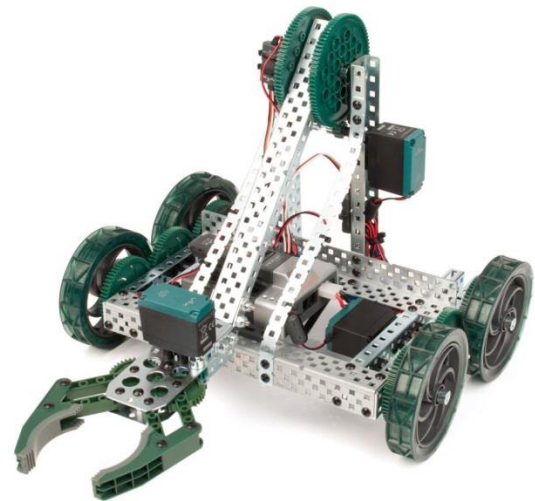
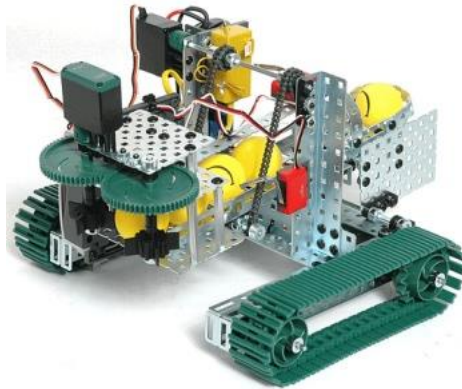






Other Technology Curricula

- Foundations of Robotics (I) and Level II
 - VEX robotics systems
 - Building and programming
 - CTE-aligned / industry certification

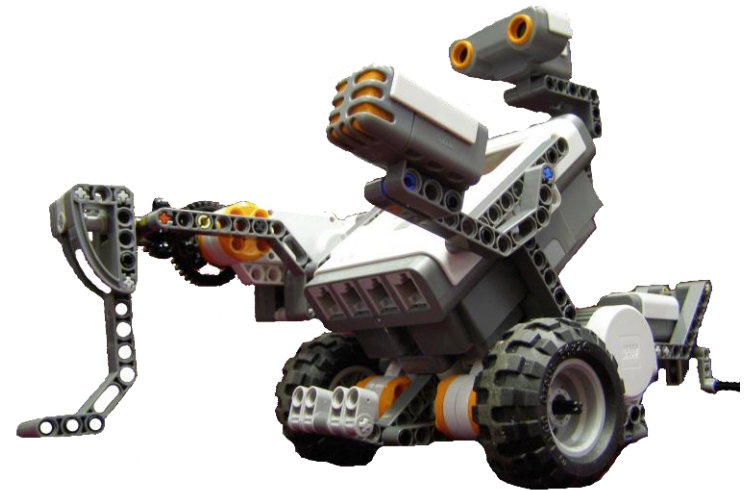


Lego Robotics- Club



- Significant equipment investment by PVA for Lego Robotics Summer Program
- Competition Team

- Summer learning extensions, level I and II



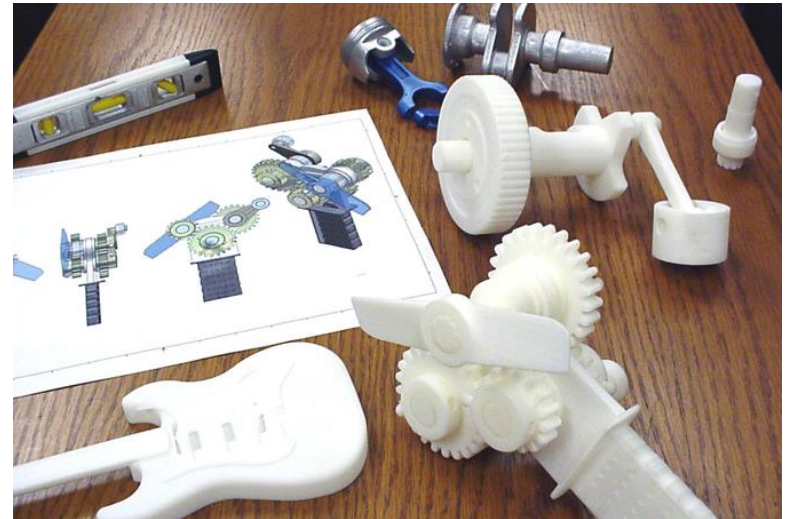
For the future...



Opportunities for bioengineering advancements



Rocket design and launch



3D design and printing with dissolvable resins

Thank you, PVA!

- PVA supports in-class activities, summer learning experiences, professional learning opportunities for teachers, and equipment acquisition
- *Our vision for STEM at PV is to enhance the learning opportunities for all students in Science, Technology, Engineering, and Math, and to establish Pine View School as a preeminent leader in innovation and creativity.*