Instructional Technology

Oyster Bay-East Norwich Schools 2014-2015

Oyster Bay-East Norwich Board of Education Goal:

Ensure that the curricular program is **relevant, rigorous**, and incorporates **appropriate instructional technologies** in order to enhance learning **opportunities and achievement of all students**.

Technology K-6

- Productivity Skills

  Accessing Computer Programs

  Microsoft Office (Word, Power Point, Excel, Publisher)

  Keyboarding

- Internet Safety

  Netsmartz

  Cyberbullying

- Research Strategies
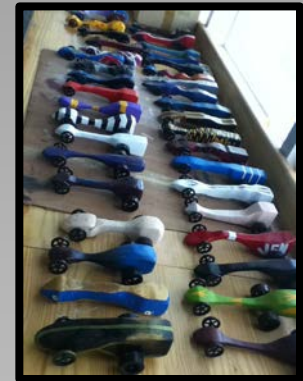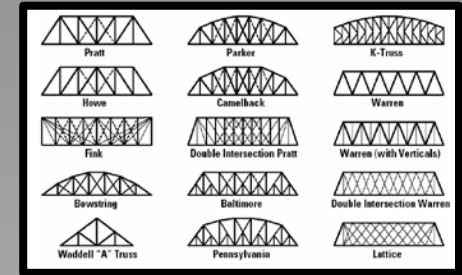
  Safe Searching

  Digital Literacy

Technology at OBHS

- 7/8th Technology

  Research, Design, Build and Test Challenges
  Scaled Drafting and Measurement
  Practical Woodworking, Assembly, and Finishing

- Computer Science Electives

  AP Computer Science
  Cisco Networking Academy 1 and 2
  Java Programming and Video Game Design

Recent Initiatives K-12

- ⊙ Engineering

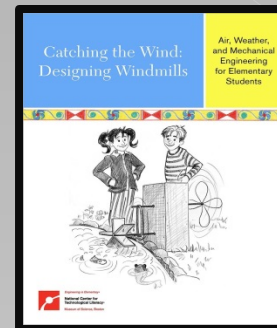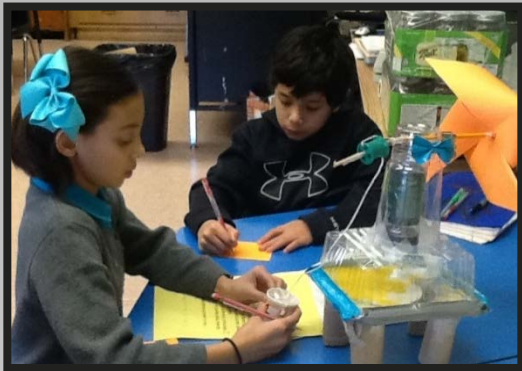   Design and Build Projects (K-2nd)

    Engineering is Elementary (3rd-6th)

    Engineering by Design (7th-8th)

    Expansion of Engineering to Full-Year Elective (9th-12th)

    Engineering Breakfast and Shadowing Program (9th-12th)

    Stony Brook Accredited Engineering Course

Catching the Wind: Designing Windmills

Air, Weather, and Mechanical Engineering for Elementary Students

Stony Brook University

Recent Initiatives K-12

◉ Programming

Hour of Code (K-12)

Vernon Programming Unit Expansion

◉ Robotics

Finch Robot Grant

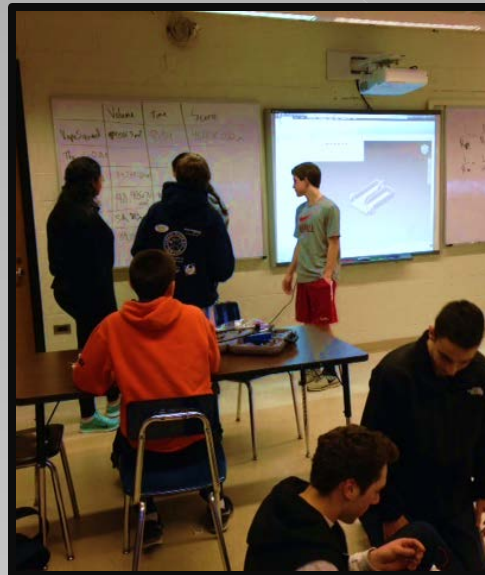LEGO WeDo Grade 2 Pilot

Development of First Tech Robotics Club

Training and Purchase of LEGO Mindstorms

Recent Initiatives K-12

- Resources

    Training and use of iPads and PASCO Probe-Ware

    Incorporation of 3-D Design Software and Printing

Recent Initiatives K-12

◉ Instructional Technology Stations

1) **WeDo Robotics** (Regina D'Orio)

2) **Engineering is Elementary**, Wind Turbines
   (Suzanne Gentile, Diana Hauser, Pat Murray, Frank Sommo)

3) **Programming** (Keith Harrison)

4) **3-D Printing** Car Project (Andrew Schlendorf)

Please plan to visit at least two stations!
I will announced when five minutes has passed.

Current Projects

- Engineering Internship Development
- LEGO WeDo Robotics 2-4
- LEGO Mindstorms Robotics 5-8
- Makerspaces