

Project Lead the Way in Somerset County Public Schools



Dr. John Gaddis, Superintendent
Traci Schneider, Supervisor
Taylor Estes, PLTW Lead Teacher

History of PLTW In Somerset

2013-2014: PLTW Biomedical was launched at Crisfield High School and Washington High School

2015-2016: PLTW Launch was rolled out at Greenwood Elementary and Princess Anne Elementary (First public schools to implement the elementary version in the state of Maryland)

2016—2017: PLTW Launch was extended to Woodson Elementary and Deal Island Elementary

2017—2018: PLTW Gateway will hopefully be rolled out to 6th-7th Grade students at Somerset Intermediate School



Biomedical Coursework



Lead Teachers:
Tina Taylor: WAHS
Angelisa Hosfield: CAHS



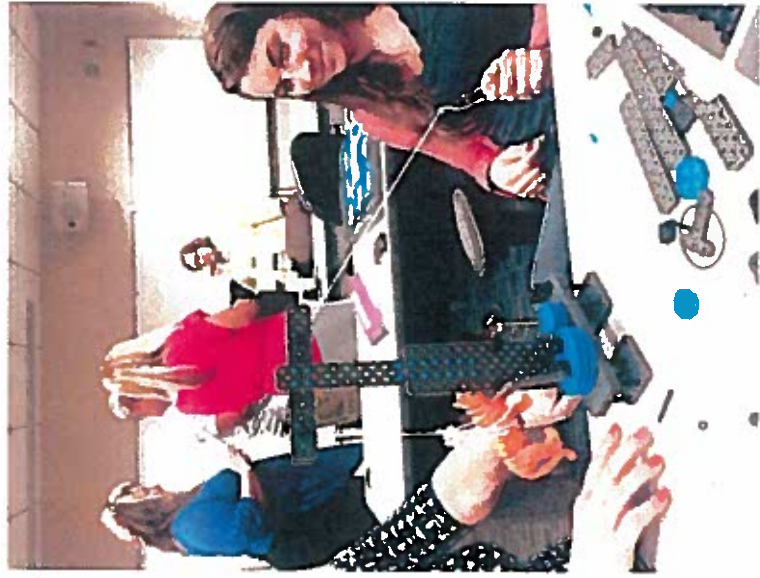
PLTW LAUNCH (Elementary)

- o LAUNCH is designed to provide primary school students with the foundations of STEM that will encourage collaboration, analysis, problem solving, and computational thinking.
- o SCPS believes in STEM for ALL students!
- o 4 modules at each grade level K-5 (Engineering, Biomedical and Computer Science)
- o SCPS currently teaches 2 engineering units at each grade level
- o Aligned to Next Generation Standards as well as Reading and Math Standards

K-5 Engineering Units Currently Being Taught in Somerset

| Grade | Modules |
|-------|---|
| K | Structure & Function Pushes & Pulls |
| 1 | Light & Sound Observing Earth Sun Stars |
| 2 | Properties of Matter Form and Function |
| 3 | Science of Flight Forces and Interactions |
| 4 | Energy Collisions Energy Conversion |
| 5 | Robotics and Automation Robotics Challenge |

Lead Teachers Must be Trained and Present at each Site



Benefits of PLTW

PLTW Launch promotes:

- Enhances **Collaboration** skills
- Provides hands-on **engaging** activities
- Enables students to work through the **Engineering Design Process**
- Provides teachers with **cross curricular connections**
- It's **FUN!!!** Actually it is really fun!

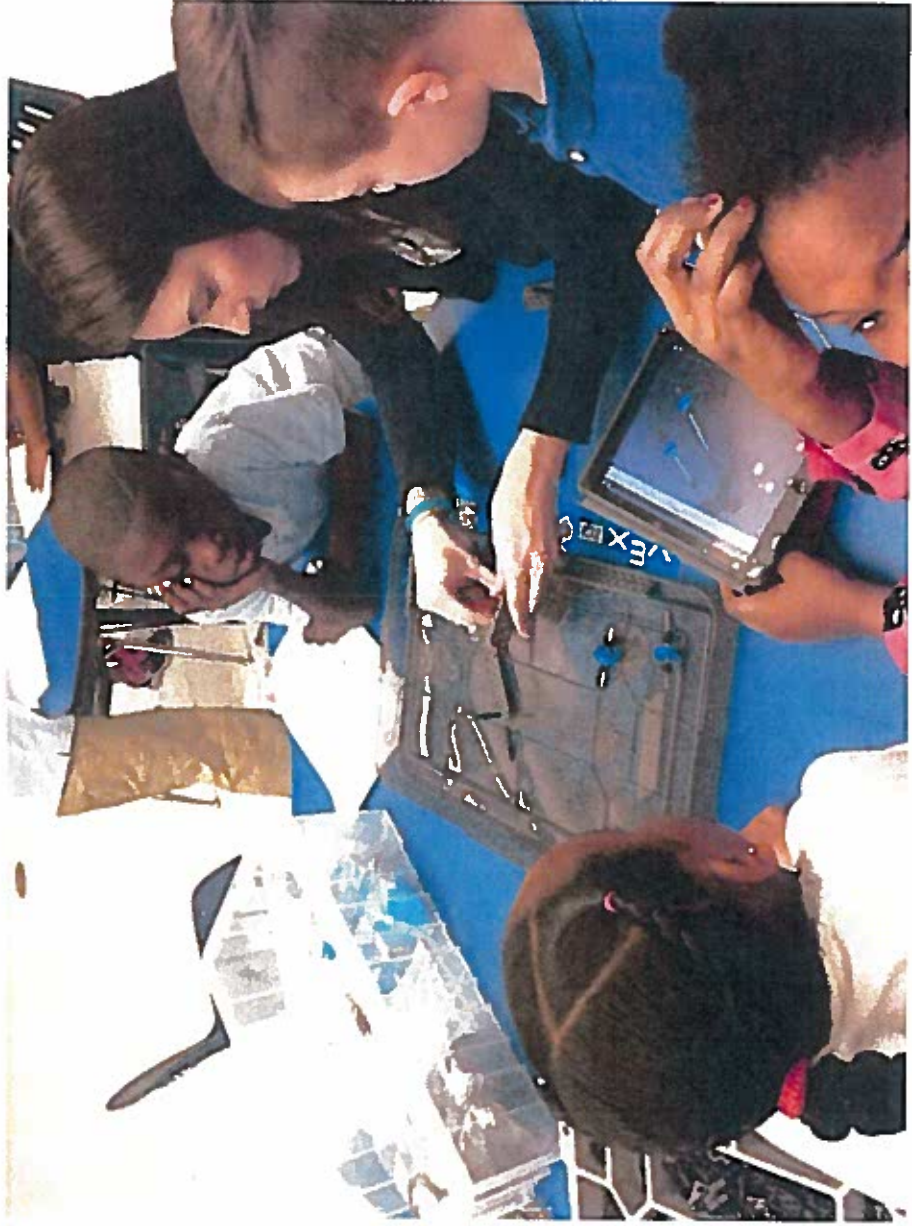
What do the students think?



They love it!



High levels of Engagement



Students working as a Team



BioMed Module Grade 3



[T:\Holland\Student Testimony.wmv](#)



Next Steps:

We would like to broaden the modules currently taught to include the Biomedical and Computer Science Modules at each grade level.

We would also like to bridge the gap between elementary and high school PLTW by launching the GATEWAY program at the middle school level.