

2013 Mid-Atlantic Environmental Literacy Summit Presentation Where is Delaware-STEM?



By:

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Engineering is Elementary Museum of Science, Boston



All DE Teachers are using:

1st grade–Catching the Wind

2nd grade–Bridges

3rd grade–Water, Water Everywhere

4th grade–Alarms

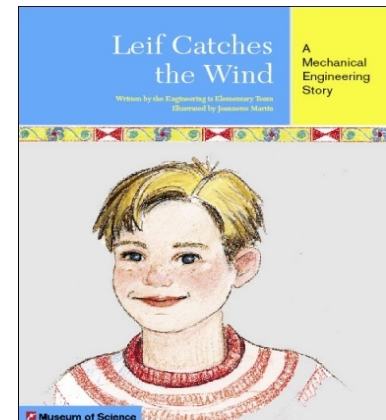
5th grade–Slick Solutions



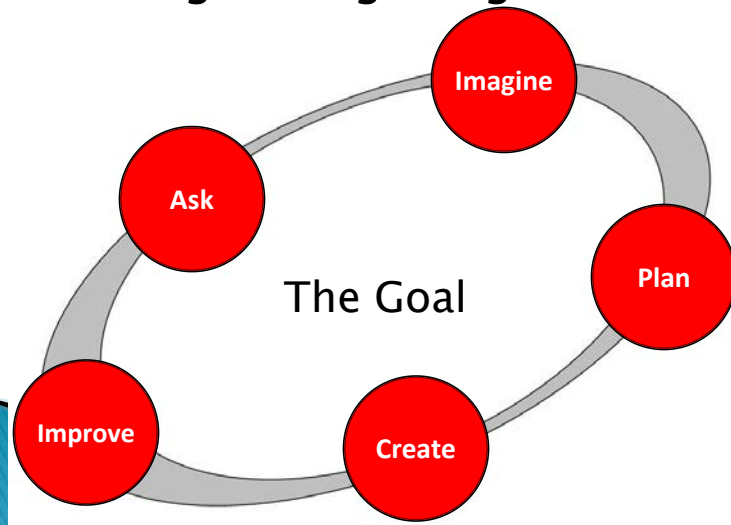
EIE Catching the Wind

- ▶ 1st grade

- ▶ Lesson 1: The story follows Leif solving a problem.
- ▶ Lesson 2: Who is a Mechanical Engineer?
- ▶ Lesson 3: Testing Sail Designs
- ▶ Lesson 4: Designing a Windmill



The Engineering Design Process





Catching the Wind

with Delaware Sea Grant

www.youtube.com/watch?v=YMyGMUtxxk0



Science + Technology + Engineering + Mathematics

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News: A.I. DuPont Astronomy Club May Be Helping NASA Colonize



Welcome to Delaware's STEM

What is STEM?

Science, Technology, Engineering and Mathematics.
These disciplines are vital for thriving in the 21st century whether managing STEM-based decisions of daily life or pursuing STEM careers.

Why STEM?

- "Technological innovation accounted for almost half of U.S. economic growth over the past 50 years"
- ChangeTheEquation.org
- "Almost all of the 30 fastest-growing occupations in the next decade will require at least some background in STEM"
- ChangeTheEquation.org
- "STEM occupations are projected to grow by 17.0 percent from 2008 to 2018, compared to 9.8 percent growth for non-STEM occupations"
- Economics & Statistics Administration
- STEM workers command higher wages, earning 26 percent more than their non-STEM counterparts
- Economics & Statistics Administration

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