



REACH



REACH

US SAILING'S STEM EDUCATION PROGRAM



REACH



Challenging students to *REACH* further academically

REACHing middle school youth worldwide

[REACH Video](#)



REACH

Over 7,500 students have participated in the REACH program in 2013.

Since June of 2012 we have trained 53 educators through US Sailing's STEM Educator Course.

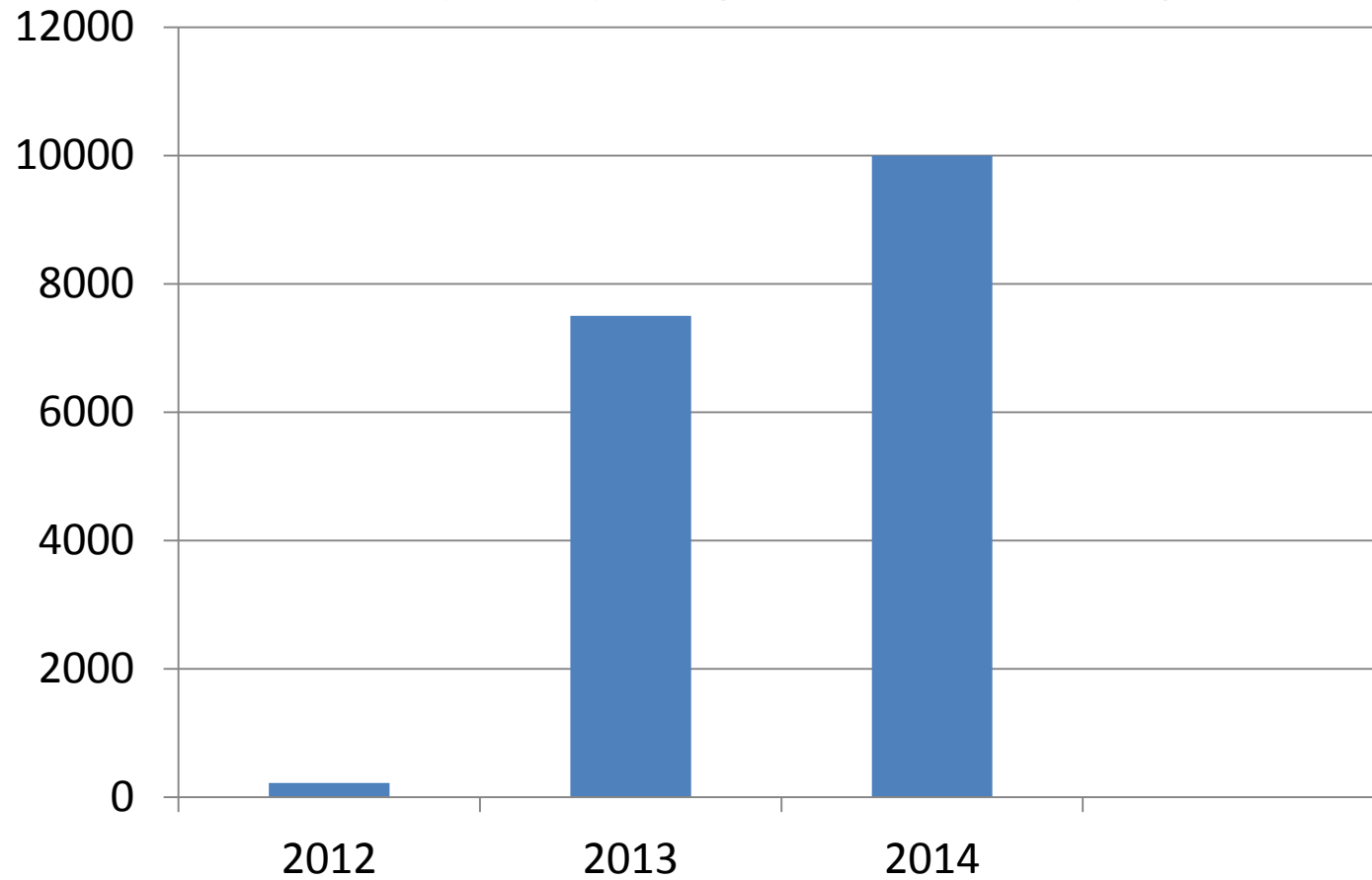
Approximately 200 programs in four countries are implementing REACH, including programs in Boston, Washington DC, LA, Baltimore, and New York City.





REACH

Students participating in the REACH program





REACH

REACH Works

According to informal data collected in the fall of 2012 by US Sailing:

Students participating in the REACH program for 5-7 weeks showed an **11% increase** in STEM content knowledge.

Of those surveyed, approximately **50%** of the students came from urban areas.



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REACH Students Report:

- 75% of students reported, “I think I could do well in high school classes on subjects similar to those in the REACH program.”
- 47% of students reported they gained skills in all of the following areas: recording data, using data to create a graph, applying skills to real life problems and situations.



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Engineering by Design

Define Problem: Create an instrument to measure wind speed.

Constrictions: materials and time

Design Features:

Plan:

Test:

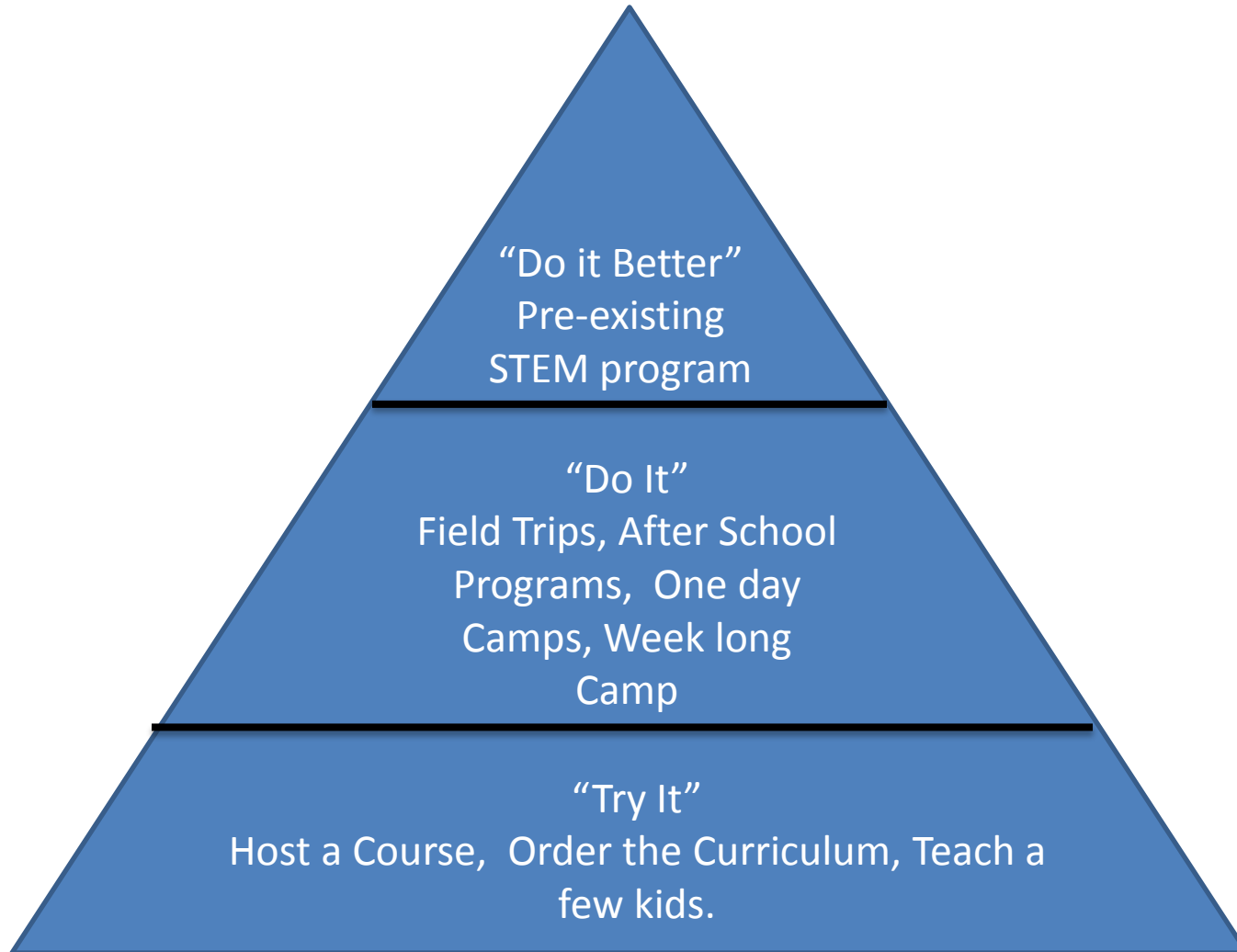
Evaluate:

Redesign:



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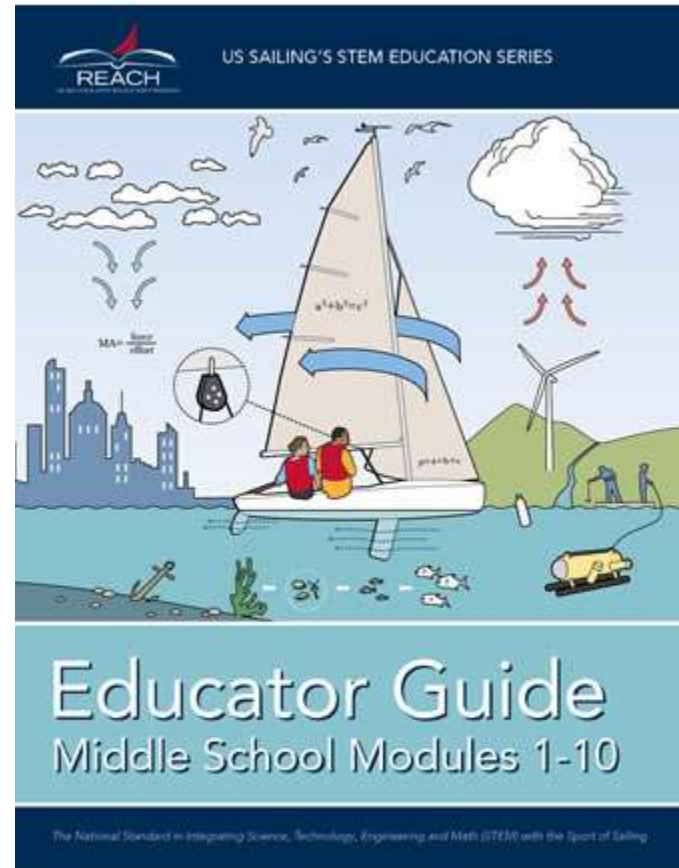
How will you implement REACH?





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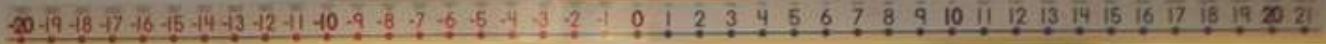
- Implement REACH in your education program
- Host a course for educators
- Purchase US Sailing's Educator Guide 20% code: **CONF2014**
- Visit reach.ussailing.org



= Ownership

NEGATIVE NUMBERS **Go With Math!** POSITIVE NUMBERS

WHY?





Bi	Po	At	Rn
83	84	85	86

Ho	Er	Tm	Yb	Lu
68	69	70	71	71

ST. MICHAEL
LUTHERAN









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Reach For The Sky

ONE YOU



SeaAffinity.org







REACH

Thank you

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