

NC RENEWABLE ENERGY CHALLENGE

Bridging the Gap Conference 2018

Dave Sybert and Dr. Leah Bug



Coastal Studies Institute
A MULTI-INSTITUTIONAL RESEARCH PARTNERSHIP



THANKS TO THE FOLLOWING SUPPORTERS



WHAT IS A KIDWIND CHALLENGE?

KIDWIND Video

<https://www.youtube.com/watch?v=x4inn3scdwc>

ACTIVITY: MACGYVER CHALLENGE

Goal: Build a windmill that can lift as much weight as possible!

1. In teams of 4, use only the provided materials to design and build a windmill.
2. You will have 20 minutes to build and test your windmill using the box fan as your wind source.
3. When your team is ready, find Dave or Leah to demonstrate how many washers your windmill can lift.

ONLINE CHALLENGE



MacGyver Windmill Online Challenge

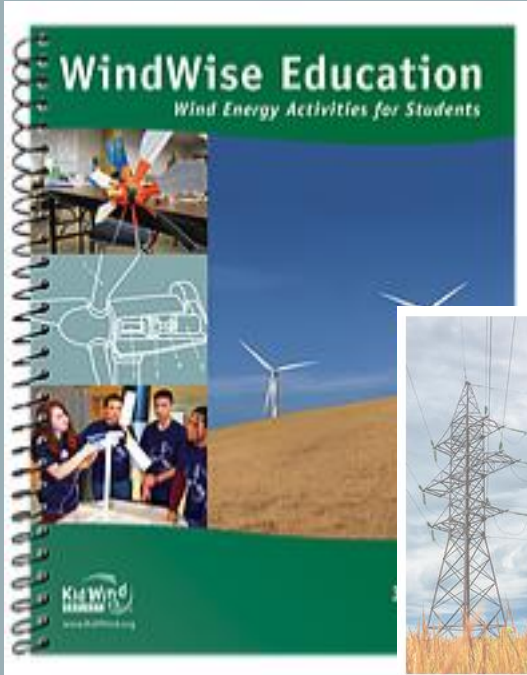
[VIEW ENTRIES](#) [PREPARE](#) [ENTER A TEAM](#)

<http://www.rechargelabs.org/online-challenge>

KIDWIND CHALLENGE OVERVIEW

1. Students design and build turbine using approved motor.
2. Must fit in wind tunnel, tested for power producing using Vernier Probe
3. Student Presentations and turbine are judged
4. Trophies
5. Fun for Everyone!

EDUCATIONAL SUPPORT



ENERGY



WIND



TURBINES



WILDLIFE



SITING



2019 KidWind Challenge Basics Webinar
KidWind Project | two plays

Videos

All from KidWind!







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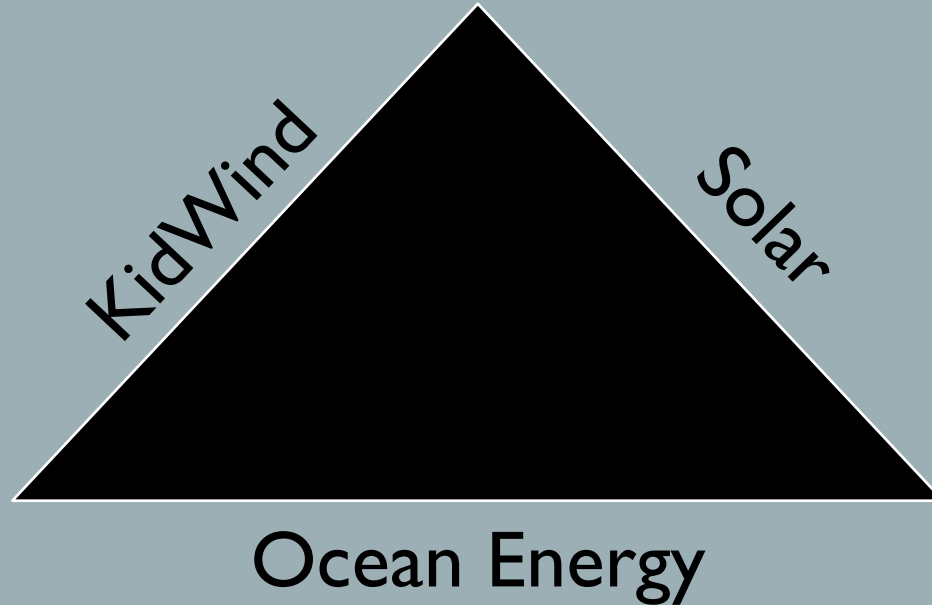


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CONTACT INFORMATION

<https://www.coastalstudiesinstitute.org/outreach/ncrenewableenergychallenge/>

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