



WIRED FOR WIND

Youth create blade shapes for a wind turbine that will provide the greatest energy output using a motor and multi-meter.

Age Level: 5th grade to high school

Time: 2-3 hours

Science Applications: Voltage, Current, Electricity, natural resources, energy

County Available: King County

Kit Activity (if applicable)

- 1st Activity: youth design, create and test blade design
- 2nd Activity: youth adjust their design for better energy output and then test how the blade pitch impacts energy output.



Kit Contents:

- Various Paper types, cardboard, chipboard, poster board, construction paper
- 2 Multi-meter
- Packing Tape
- Paper cups
- Scissors
- Dowels
- hubs
- Protractors
- 2 Fans
- Motor & PVC pipe apparatus: 2 Horizontal, 1 vertical
- Facilitator guide, youth guides

Watch this Video on Youtube:

2011 National Science Experiment - Wired for Wind

<https://www.youtube.com/watch?v=4VldIShgP0>



206-263-1915



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Pierce County

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425-357-6007



360-867-2157

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