



Wind Turbine Junkyard

Objectives: As a result of this activity, students will learn the key parts of a wind turbine and be able to assemble a wind turbine from PVC parts.

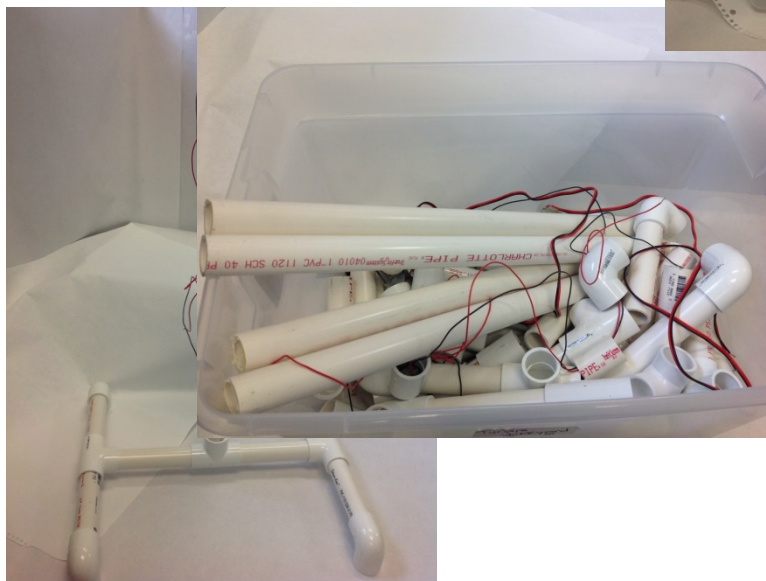
The Wind Turbine Junkyard is a kit that was inspired by the book *The Boy Who Harnessed the Wind* where the main character of the book builds a wind turbine from parts he finds in a junkyard. The kit is simply a bin of PVC parts and students use these parts to assemble a PVC wind turbine – enough for 4 turbines. Follow-up activities to this kit include the KidWind Clip Hub, the Blade Characteristic Investigation Stations, and the Wind Turbine Blade Design Challenge.



This kit includes:

- ~6" PVC pipes
- ~2" PVC pipes
- ~24" PVC pipes
- PVC 90° elbows (with and without a hole drilled in it)
- PVC T-joints
- Generators

*See video with assembly instructions and tips at <https://www.youtube.com/watch?v=mjsGrWioLlk>



*Any materials that are lost or broken during classroom use must be replenished before being returned.

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