

Engineering Renewable Energy 3D Print Lab

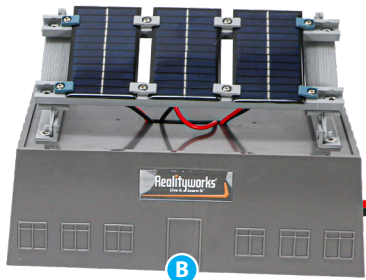
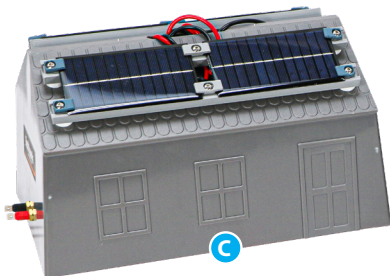
Instructor Guide

The Engineering Renewable Energy 3D Print Lab is an all-inclusive solution that combines compatible hardware, software, machines, and learning materials into a seamless education experience. This lab prepares learners for careers in solar power systems and wind turbine technology, while also developing CAD design and 3D print machine operation skills.

Product Includes:

Solar Hardware Kit:

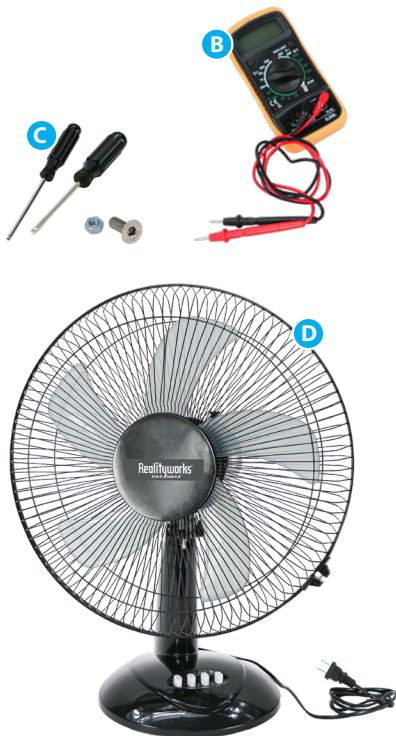
- A. 16 solar panels
- B. 4 commercial structures for mounting
- C. 4 residential structures for mounting
- D. 4 multimeters
- E. Mounting hardware and tools
- F. 4 storage boxes
 - 1-year limited warranty



Product Includes:

Wind Turbine Hardware Kit:

- A. 4 wind turbine mechanical units
- B. 4 multimeters
- C. Mounting hardware and tools
- D. Box fan
- E. 4 storage boxes
- 1-year limited warranty



3D Printer Components Kit*:

- Nozzle kit
- Spool 250 g PLA filament
- 4 spools of 1 kg PLA filament
- Platform

3D Printer Tool Kit*:

- A. 3D printer
- Micro flush cutter
 - Scraper
 - 3D Printing Adhesive

Note: Items marked with an asterisk (*) are included only when purchased with the 3D printer and printer supplies.



Digital Content:

This program includes essential digital content that supports both instruction and student learning.



Expert-led tutorial videos



Curriculum



Slide Presentations



Student Engineering Workbook



Ready-to-print CAD files



Completion Certificate

WARNING: For educational use only.

Additional Help and Information

We're here to help! Our online Product Support features video tutorials, downloadable documents, frequently asked questions, and product notices, all of which make it easy for you to get support for products, software and more, day or night. Find our online product support area here:

www.realityworks.com/knowledge-base

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