

DIY Dye-Sensitized Solar Cell Kits

Perfect for Classroom and Outreach Activities

HANDS-ON LEARNING

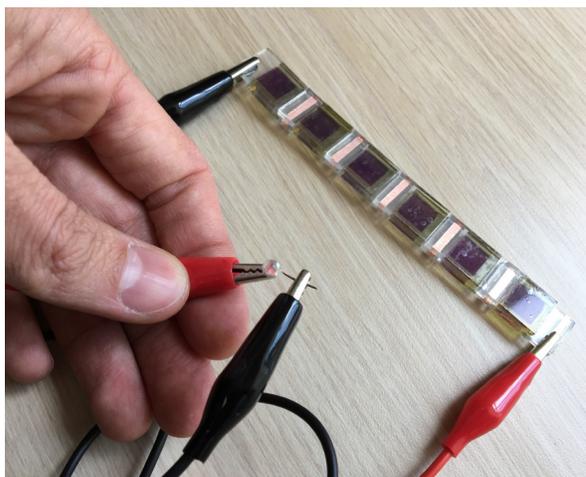
Starting with household and benign materials, students assemble fully functional solar cells.

WONDERS OF SOLAR

Current STEM curricula teach renewable energy and the importance of solar, but few activities and experiments allow students to witness the “magic” of solar by fabricating their own solar cells.

PROTOTYPING

Designed to be easily assembled, our solar cells can be a great platform for students to experiment with different parameters and engineering architectures to maximize solar output.



- Self-Contained kits make preparation and stocking a breeze - all you need to bring are colorful fresh fruits and vegetables (e.g. blackberries) for dyes.
- Easy to follow, step-by-step directions and benign materials make this a fun activity for audiences of all ages (9 - 99).
- Fully functional solar cells inspire students to experiment and witness energy transformation in real time.

The cofounders of PC Technologies have been hosting teachers workshops and outreach events out of Northwestern University over the past decade, and they discovered that many of the existing kits at the time were too expensive or it is logistically too burdensome for teachers to order the materials separately. In response, they developed a simple, DIY dye-sensitized solar cell activity where teachers can bring the self-contained kits into the classroom along with just some blackberries and a glass of water. Years of proprietary research and development allowed them to improve the chemistry, reduce cost, and now introduce a product that reliably produces positive results in the hands of all students.

PRICING

Enthusiast Kit (15 solar cells) - \$89.99

Classroom Kit (36 solar cells) - \$215.99

CONTENTS

- Conductive glass cathodes
- Conductive glass anodes with predeposited TiO_2
- Electrolyte solution
- #2 pencil
- Mini pipettes
- Tape
- Wires with alligator clips
- LEDs

To place an order or request more information, please email info@pc-technologies.us