Educational Hydroponics and Aquaponics Systems

Program Implementation Guide
Engage your students in career exploration and help them develop 21st Century skills.

Create a Custom Pathway Package
Choose hands-on learning aids and curricula that meet your unique program needs.

All products can be purchased separately

Educational Aquaponics System
Teach students the best practices for both growing fish and plants with this hands-on system.

Plant Mini Educational Hydroponics System Class Pack (5-pack)
Experiment with deep water culture, ebb and flow and microgreen growth methods using these desktop-sized systems.

Plant Lab Educational Hydroponics System
Experiment with different water levels, nutrients and plants on every level of this system, which features three vertical shelves connected to different water sources.

Plant Producer Educational Hydroponics System
Grow production-level quantities of greens with this system, which features three vertical shelves connected to a single water source for concentrated growth on every level.

Visit www.realityworks.com/hydroponics-educational-systems/to view product and program details.
Which systems are best for your classroom?

The Plant Mini System
Class Pack of 5
- Compacts, desktop-sized growing systems
- 12 plant sites
- 11" from the top
- 1" per unit
- Each unit has a four-liter water tank
- 6.4 lbs per system
- Enables experimentation with deep water culture, ebb and flow, and microgreen varieties.

The Plant Lab System
- 3 vertical shelves
- Individual water source per shelf
- Enables experimentation with different plants, water levels, and nutrients on each level.

The Plant Producer System
- 3 vertical shelves
- Individual water source per shelf
- Enables equal nutrient allotment and concentrated growth on each level.

The Educational Aquaponics System
- 1 shelf for plants
- Single water source connected to all shelves
- Single water source that provides a closed loop water transfer between the fish tank and plant bed
- Enables students to view the fish, filtration, and fertilization process as well as the plants growing through the biofilter process.

Curricula Overview
All curricula include lesson plans, presentation slides, assessments, and other student materials.

<table>
<thead>
<tr>
<th>Experiential Learning Tools</th>
<th>Curriculum Length</th>
<th>Lesson Topics</th>
</tr>
</thead>
</table>
| Educational Hydroponics Systems | 2 hours | • What Is Hydroponics?  
• Plant Life |
| Educational Aquaponics System | 6-7 hours | • Introduction to Aquaponics  
• Components of an Aquaponics System  
• Fish Care  
• Plant Care |