



Hydroponic Systems Resource Guide

A handy guide for starting or enhancing your hydroponic project!

This collection of resources will help you design, build, and maintain hydroponic systems in your school, whether you're just starting out or looking to take your project to the next level.

Know of a great resource we're missing? Started a project yourself?

Share it with the FES N:OW for Net-Zero team: nowfornetzero@fesplanet.org

Key Concepts for Learning Hydroponics

Introduction to Hydroponics

System Design & Infrastructure

Nutrient Solutions & Hydroponic Mixtures

Troubleshooting Common Challenges

Plant Selection & Care

Advanced Techniques

Free Virtual Courses

[Hydroponics STEM Lessons](#)

Over 70 short videos by Green Our Planet covering system setup, nutrient solutions, plant physiology, and classroom components. Be sure to check out their many more exciting programs below.

- [Gardening in schools](#)
- [More lessons](#)

[Megaponics Hydroponics Simplified](#)

A free 9-video course on plant selection, pH calibration, lighting, and nutrient balancing for beginners.

Focus on integrating cultural perspectives into hydroponics education.

Practical tips for classroom hydroponics and case studies of school programs.

- Guide to implementing hydroponics in classrooms.

Extensive resources for funding, curriculum alignment, and project ideas.

Tools and resources to support food gardens in schools.

Step-by-step guide for constructing a grow station.

Comprehensive guide for indoor hydroponic and soil-based growing.

Resource to support educators in setting up hydroponic projects.

