



One School One Garden Initiative

Program Overview

With the world's fisheries and available arable land declining precipitously, many scientists have begun researching more efficient, productive ways to grow food. One such emerging technology, called aquaponics, combines hydroponic agriculture and aquaculture to create a closed-loop food system.

The One School One Garden (OSOG) program uses Web-based aquaponic gardens to promote environmental education and awareness and to improve food security in the developing world.

Through the OSOG initiative, Kijani Grows partners with schools K-12 in the United States and connects them with organizations in developing countries including schools, orphanages and community centers. By purchasing a Kijani Grows OSOG kit, American schools receive a Smart Aquaponics Garden and 10-module curriculum to provide students with a unique hands-on learning experience. Part of the purchase price will then be used to send a similar Smart Aquaponics Garden to the school's partner organization.

We work with both groups to schedule weekly information sharing about issues faced or key lessons they've learned, be it from their aquaponics garden or their broader community. Additionally, data from both gardens is published on the Kijani Grows site in real-time, enabling remote monitoring and control.

One School One Garden Goals

OSOG's about connecting global communities through food and building better cultural understanding and environmental management across youth worldwide.

- 1) Improve access to nutritious produce and protein-rich fish
- 2) Educate youth about better environmental management and living more sustainably
- 3) Promote global education and understanding by connecting students through Web-based aquaponics

Garden Design*

- 55 gallon tank
- 4' x 2' media-based growbed with pumps
- Smart Aquaponics Controller kit
- Installation instructions
- 10-module curriculum

*Note that we can design custom-sized gardens for your school

For more information contact:

Mike Mitchell

mike@kijanigrows.com

