Professional Learning Event 2020:

Introduction to Aquaponics: Dynamic STEAM for the K-8 Classroom
July 15-17, 2020

Bring the life of aquaponics into your classroom for a wide array of science, math, and ELA educational experiences. Aquaponics is a natural process with a recirculating system that is sustainable and earth friendly. Once established the only thing an aquaponics system needs is fish food! The fish eat the food and excrete waste which is then converted by beneficial bacteria to nutrients that the plants can use. The plants help to purify the water. Because there is no use of pesticides or other chemicals in an aquaponics system, the fish and plants are healthy and safe to eat!

This Workshop Includes:
2.5 days of hands-on teacher training in aquaponics using Herring Gut's small-scale commercial aquaponics greenhouse and hatchery as your laboratory. You will leave with qualitative and quantitative experiences that are replicable in any setting. Lessons that are aligned to the Next Generation Science Standards will engage and motivate your students all year long.

At This Workshop You Will:
• Learn aquaculture is used to feed our growing population and how aquaponics can be used to teach your students about ocean sustainability and protecting our fisheries and ecosystems.
• Use Project Based Learning to integrate real world problems and scenarios into a curriculum filled with hands-on lesson plans that engage students in learning about the nitrogen and water cycles, fish anatomy, and plant life cycles
• Set-up and take home your own classroom aquaponics kit; a complete recirculating aquaculture system with tank, filters, planting media and water quality testing kit, that will enhance the way you teach science.
• Enjoy a relaxing and informative evening nature cruise or kayak paddle on Muscongus Bay.

Course Fee: $550 tuition inclusive of complete classroom aquaponic kit, student lesson materials, 3 continental breakfasts, 2 lunches, and a kayaking or boat tour.

Housing is available in a unique 200 year old historic home here on the Port Clyde Campus at $75 per night on a space availability basis.

1.5 CEUs are available through the University of Southern Maine or 15 contact/ professional development hours.

Register at:
https://herringgutlearningcenter.org/index.php/for-educators-asdf/

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