**Introduction to Florida Aquaculture Commodities**

Sessions developed for the Cedar Key High School S.A.L.T. (Shark Aquaculture Life Training) Program during the Summer of 2018. The S.A.L.T program is designed to prepare students for careers in aquaculture by offering training in relevant vocational activities.

Resource: <http://shellfish.ifas.ufl.edu/publications/>

Could be used in the following courses:

Agriscience Foundations:

01.01 Evaluate and explain emerging trends and the opportunities they may create within the AFNR systems.

01.02 Assess the economic impact of an AFNR system on a local, state, national and global level.

01.03 Examine historical and current data to identify issues impacting AFNR systems.

01.04 Examine the role of the agricultural industry in the interaction of population, food, energy, and the environment.

04.02 Describe various ecosystems as they relate to the agriculture industry.

04.03 Describe the environmental resources (soil, water, air) necessary for agriculture production.

04.04 Identify regulatory agencies that impact agricultural practices.

04.05 Apply Best Management Practices that enhance the natural environment.

04.06 Identify conservation practices related to natural resources.

Aquaculture 2:

12.03 List and describe major global aquatic crops and animals.

015.01 Identify/describe facilities used in a grow-out operation.

015.02 List sources of aquaculture organisms and how they are produced.

015.03 Determine the purpose and functions of a hatchery.

015.04 Describe and contrast the reproductive anatomy of aquaculture organisms.

015.05 Describe and contrast types of spawning exhibited by aquaculture organisms.

015.06 Discuss proper broodstock conditioning and spawning techniques for aquaculture organisms.

015.07 Discuss proper grow-out techniques for aquaculture organisms.

Teacher Directions:

Utilize the links below to help students explore different aquaculture commodities, and their impact on Florida’s economy. Possible assignments/questions relating to these links include:

1. Describe the commodity you explored and its impact on the industry and state’s economy.
2. Explain how and where this commodity is produced in our state.
3. Create an advertisement for this commodity that helps to share the importance of this crop, and its impact to our economy.

Virtual Fieldtrips:

**Tropical Aquaculture Laboratory**, Ruskin, Florida by Eric Cassiano

<https://www.youtube.com/watch?v=Vhp4UTp0f1M&feature=youtu.be>

**Recirculating Systems**

[WATER Tour Pentair Aquatic Eco-Systems Tour](https://www.youtube.com/watch?v=UwMMLfnVcwA&feature=youtu.be) by Brian Catanzaro

<https://www.youtube.com/watch?v=UwMMLfnVcwA&feature=youtu.be>

**Aquatic Plant Culture**

[Florida Aquatic Nurseries](https://youtu.be/OsjyCQs3Pvw) Tour by Brandon McLane

<https://www.youtube.com/watch?v=OsjyCQs3Pvw&feature=youtu.be>

**Alligator and Reptile Culture**

Gatorama Tour by Allen Register

<https://www.youtube.com/watch?v=UUvJSPPXQQc&feature=youtu.be>