

# Aquaculture Education Resources: Lesson Plans and Curriculum

## Division of Aquaculture

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This publication is a repository of resources which can be used by teachers to start or expand an aquaculture education program in their classroom, including lesson plans, presentations, curriculum guides, activity books and digital media. If you have or know of additional aquaculture education resources that you think should be included the division's resource list, please contact Charlie Culpepper at [Charlie.Culpepper@FreshFromFlorida.com](mailto:Charlie.Culpepper@FreshFromFlorida.com).

Individual Lesson Plans, Presentations & Tests	Grades	Time Needed	Subject Areas Covered
<a href="#">Aquaculture: A Cornucopia?</a> BRIDGE –Sea Grant Ocean Sciences Education Center	5-12	~1 hr.	Science, math, social studies and technology
<a href="#">Florida Aquaculture PowerPoint</a> By Craig Watson, UF Tropical Aquaculture Laboratory	8-12	~30 min.	Business, social studies, career exploration
<a href="#">Marine Fish ID Quiz Online</a> New World Publications' Marine Life Learning Center	9-12	Flexible	Classification/identification
<a href="#">Virtual Farm</a> Virginia 4-H	4-8	Flexible	Career exploration, animal care, biology, social studies
<a href="#">Sea World, Inc.</a> Teacher guide and curriculum	9-12	~1 hr.	Classification, animal care, social studies, ecology
<a href="#">Wildwood Agriscience Unit - Week 1</a> By Susan Swartzfager	6-8	~1 hr./ day for 5 days	Biology, anatomy, chemistry, career exploration
<a href="#">Wildwood Agriscience Unit - Week 2</a> By Susan Swartzfager	6-8	~1 hr./ day for 5 days	Biology, anatomy, chemistry, career exploration
<a href="#">Wildwood Agriscience Unit - Week 3</a> By Susan Swartzfager	6-8	~1 hr./ day for 5 days	Biology, chemistry, anatomy, ecology
<a href="#">Wildwood Agriscience Unit - Week 4</a> By Susan Swartzfager	6-8	~1 hr./ day for 5 days	Biology, social studies
<a href="#">Wildwood Test - General Fish Biology</a> By Susan Swartzfager	6-8	~1 hr.	Biology, anatomy, language arts
<a href="#">Project PORTS – Oyster Curriculum</a> By Rutgers University	6-12	Flexible	Biology, ecology



Curriculum Guides & Lesson Collections	Grades	Internet Link	Email
<b>University of Florida</b> Teach Aquaculture Curriculum	K-12	<a href="http://REC.IFAS.UFL.edu/TeachAquaculture/Index.php">IR- REC.IFAS.UFL.edu/TeachAquaculture /Index.php</a>	<a href="mailto:teachaquaculture@gmail.com">teachaquaculture@gmail.com</a>
<b>Florida Ag in the Classroom</b> Lists several agriculture curriculum resources, along with other links and information	K-12	<a href="http://FAITC.org/">FAITC.org/</a>	<a href="mailto:faitc@ifas.ufl.edu">faitc@ifas.ufl.edu</a>
<b>2017 Agriculture Literacy Day Book and Teach Resources</b> Elementary level aquaculture activities	K-5	<a href="http://FAITC.org/AgLitDay/">FAITC.org/AgLitDay/</a>	<a href="mailto:faitc@ifas.ufl.edu">faitc@ifas.ufl.edu</a>
<b>Aquaculture: an introductory text</b> \$56.17 for textbook	9-12	<a href="http://Amazon.com/Aquaculture-Robert-R-Stickney/dp/1845935438">Amazon.com/Aquaculture-Robert-R- Stickney/dp/1845935438</a>	-
<b>Marine Fisheries &amp; Aquaculture</b> PBS project including an online activity guide and a documentary series.	6-12	<a href="http://PBS.org/EmptyOceans">PBS.org/EmptyOceans</a>	-
<b>Marine Aquaculture</b> Guide to raising saltwater fish in your classroom, teacher edition and student workbook developed by MIT Sea Grant	9-12	<a href="http://Web.MIT.edu">Web.MIT.edu</a>	<a href="mailto:bmmoran@mit.edu">bmmoran@mit.edu</a>
<b>Maryland SeaGrant Lesson Plans</b> Online lesson plans about marine and coastal science	K-12	<a href="http://MDSG.UMD.edu/Topics/k-12-Pesson-Plans/k-12-Lesson-Plans">MDSG.UMD.edu/Topics/k-12-Pesson- Plans/k-12-Lesson-Plans</a>	
<b>Aquaponics: Growing Fish and Plants Together</b> Covers the basic principles of aquaponics. Created by: Colorado Aquaponics	9-12	<a href="http://ies.TAMU.edu/files/2013/10/Aquaponics-Growing-Fish-and-Plants-Together.pdf">Fisher- ies.TAMU.edu/files/2013/10/Aquaponi- cs-Growing-Fish-and-Plants- Together.pdf</a>	<a href="mailto:Tawnya@coloradoaquaponics.com">Tawnya@coloradoaquaponics.com</a>

Videos/DVDs/CD-ROMs	Grades	Internet Address	Email
<b>Bureau of Seafood and Aquaculture Marketing</b> Short audio and video productions promoting Florida seafood and aquaculture products	7-12	<a href="http://FreshFromFlorida.com/Divisions-Offices/Marketing-and-Development/Consumer-Resources/Buy-Fresh-From-Florida/Seafood-Products">FreshFromFlorida.com/Divisions- Offices/Marketing-and- Development/Consumer-Resources/Buy- Fresh-From-Florida/Seafood-Products</a>	<a href="mailto:Paul.Davis@FreshFromFlorida.com">Paul.Davis@FreshFromFlorida.com</a>
<b>Hydroponics and Microfarms</b> Guide to setting up and operating an aquaponics system, \$19.95 for CD-ROM software	1-12	<a href="http://Carbon.org/Catalog/Pub/CDROM3.htm">Carbon.org/Catalog/Pub/CDROM3.htm</a>	<a href="mailto:peggybradley1@hotmail.com">peggybradley1@hotmail.com</a>

Coloring and Activity Books	Grades	Internet Address	Email
<b>Discover Florida Aquaculture</b> Introduction to aquaculture for students.	6-12	<a href="http://FreshFromFlorida.s3.AmazonAWS.com/P-01587.pdf">FreshFromFlori- da.s3.AmazonAWS.com/P-01587.pdf</a>	N/A
<b>Drive through Florida: Aquaculture and Seafood</b> Overview of aquaculture in Florida	K-5	<a href="http://FAITC.org/wp-content/uploads/2012/11/Drive-through-FL-Seafood-web.pdf">FAITC.org/wp- content/uploads/2012/11/Drive-through- FL-Seafood-web.pdf</a>	<a href="mailto:faitc@ifas.ufl.edu">faitc@ifas.ufl.edu</a>

