

CURRICULUM**Environmental Technology / Aquaculture**

MODULE #

LEARNING UNIT

OBJECTIVES	ACTIVITIES	RESOURCES	MASTERY CRITERIA
<p>The student will:</p> <p>Describe the two existing hydrogen producing technologies</p> <p>Discuss the three experimental methods for future hydrogen properties</p> <p>Draw a diagram of a basic hydrogen fuel cell</p> <p>Discuss hydrogen fuel blending</p>	<p>Lecture</p> <p>Class discussion</p> <p>Group presentations</p> <p>Build a basic fuel cell</p> <p>Poster board projects</p>	<p>Handouts</p> <p>Textbook</p> <p>Videos</p> <p>World Wide Web</p>	<p>Vocabulary quiz</p> <p>List four ways to produce hydrogen</p> <p>List four fuels in which hydrogen can be added to improve efficiency</p> <p>Compare and contrast hydrogen fuel with gasoline</p>

CURRICULUM **Environmental Technology / Aquaculture**

MODULE **Energy**

LEARNING UNIT **Hydrogen**

OBJECTIVES	ACTIVITIES	RESOURCES	MASTERY CRITERIA
The student will: Understand 'zero emissions' Discuss the environmental benefits of hydrogen fuel sources	Lecture Class discussion Teaching 7 th graders from local schools	World Wide Web Videos Textbook	Vocabulary quiz Describe in essay format the environmental benefits of hydrogen fuel Students will present the environmental benefits of hydrogen

CURRICULUM **Environmental Technology / Aquaculture**

MODULE **Energy**

LEARNING UNIT **Hydrogen**

OBJECTIVES	ACTIVITIES	RESOURCES	MASTERY CRITERIA
<p>The student will:</p> <p>Understand the availability and abundance of hydrogen</p> <p>Understand the potential of hydrogen fuel</p> <p>Explain the current obstacles preventing hydrogen's wide scale use as a fuel</p> <p>Discuss NASA's history and success with hydrogen fuel</p>	<p>Lecture</p> <p>Class discussion</p> <p>PowerPoint presentation</p> <p>Guest presentation</p>	<p>World Wide Web</p> <p>Videos</p> <p>Handouts</p>	<p>Vocabulary quiz</p> <p>List four potential energy uses of hydrogen</p> <p>Draw a timeline including hydrogen fuels history and future</p>