

# Currituck County Middle School Lesson Plan Template

Subject/Grade: Science/6

Topic: Nonrenewable Resources/Wave/Sound

Teacher: Payne/Burns/Connors/Banks

Week of: Nov. 26 – Dec. 3rd

Essential Questions		Understandings	
What energy efficient technologies would be ideal for Currituck?			
Guiding Questions			
Would wind farms work in this area? How would it affect the economy, farm land, waterways? May move on to solar energy and biomass What are the characteristics of waves? What are the measurable properties of waves? How do waves transfer energy?			
AVID Strategies	Bloom's Taxonomy	Costa's Levels	Vocabulary/Skills
Writing What?  x Inquiry What? Socratic Seminar  Collaboration What?  x Reading What? Vocabulary Builder	x Remember  x Understand  x Apply  x Analyze  x Evaluate  x Create	  x Gathering  x Processing  x Applying	Wind farm Wave Medium Mechanical waves Transverse waves Longitudinal waves Crest Trough Amplitude Frequency Wave length
North Carolina Standard Course of Study			

<p>Science Goal 1: Design and conduct investigations to demonstrate an understanding of scientific inquiry 1.01 Questions/hypotheses through investigations</p> <p><input type="checkbox"/> Science Goal 2: Demonstrate an understanding of technological design 2.01 Explore the many definitions of technology</p> <p><input type="checkbox"/> Science Goal 3: Build an understanding of geologic cycles, forces, processes, and agents that shape the lithosphere 3.01 Shaping the lithosphere</p>	<p><input type="checkbox"/> Science Goal 4: Investigate the cycling of matter 4.01 Flow of energy and matter in natural systems</p> <p><input type="checkbox"/> Science Goal 5: Build an understanding of the Solar System 5.01 Components and cycles of solar system</p> <p>xScience Goal 6: Conduct investigations and examine models of energy transfer and/or transformation 6.01 Convection and radiation</p> <p><input type="checkbox"/> Science Goal 7: Conduct investigations and use technologies/information systems to build understanding of popular dynamics 7.01 Organisms and non-living parts of environment</p>
Learning Activities	
<p>Read section C 1.1 (answer questions) Vocabulary Words...Define and give an example (may be in words or pictures) Socratic Seminar</p> <p>Read section C 1.2 Vocabulary Words....define and the answer questions (may illustrate vocab. words)</p> <p>Study guide 1.2 Read section C 1.3 Study guide 1.3</p> <p>Cornell Notes on 1.1 and 1.2</p> <p>Mean, Median, Mode of a set of waves p.15C and worksheet</p> <p>Reading – Challenge reading – Mark the text</p>	
Differentiation Strategies	
<p>Extended time if necessary....pictures allowed (visual learners)....hard copy of notes Preferential Seating Enrichment opportunities</p>	
Integration Opportunities	
Using math and reading activities	
Assessments	Reflection: What worked? What didn't?
Quiz on waves – Covering sections 1.1 and 1.2	
Materials	

