






# Technology-Connected Lesson Plan

<b>Title:</b>	<b>Interactive Waves</b>
Grade Levels:	4-6 Grade
Curriculum Areas:	🖥️ Science
Measurable Objectives:	<p>🖥️ <b>Lesson Objectives:</b></p> <ul style="list-style-type: none"> <li>🖥️ TSW identify the different types of waves.</li> <li>🖥️ TSW manipulate a tree map to identify traits of different waves.</li> <li>🖥️ TSW create a paragraph about the different waves.</li> </ul>
LA Content Standards:	🖥️ <b>PS-M-C3</b> - understanding that the sun is a major source of energy and that energy arrives at the Earth's surface as light with a range of wavelengths;
Grade Level Expectations (GLE)	<p>Compare types of electromagnetic waves (PS-M-C3)</p> <p>Identify and illustrate key characteristics of waves (e.g., wavelength, frequency, amplitude) (PS-M-C4)</p>
K12 Educational Technology Standards:	<p>🖥️ <b>Technology Guidelines:</b></p> <ul style="list-style-type: none"> <li>• Technology Communication Tools</li> <li>• Technology Productivity Tools</li> <li>• Technology Research Tools</li> <li>• Basic Operations and Concepts</li> </ul> <p>🖥️ <b>Technology Performance Indicators</b></p> <ul style="list-style-type: none"> <li>• Identify, explain, and effectively use input, output and storage devices of computers and other technologies (e.g., keyboard, mouse, scanner, adaptive devices, monitor, printer floppy disk, hard drive).</li> </ul>

	<ul style="list-style-type: none"> <li>• Use accurate and developmentally appropriate terminology (e.g., cursor, software, hardware, pull down menu, window, disk drive, hard drive, CD-ROM, laser disc) when referring to technology.</li> <li>• Use a variety of developmentally appropriate resources and productivity tools (e.g., logical thinking programs, writing and graphic tools, digital cameras, graphing software) for communication, presentation, and illustration of thoughts, ideas, and stories (e.g., signs, posters, banners, charts, journals, newsletters, and multimedia presentation.)</li> </ul> <p> Use technology tools (e.g., publishing, multimedia tools, and word processing software) for individual and for simple collaborative writing, communication, and publishing activities for a variety of audiences. (1,3)</p>
Technology Connection:	Microsoft Power Point, Microsoft Word computers, printer, presentation station
Procedures:	<p><b>Introduction:</b></p> <ol style="list-style-type: none"> <li>1. TTW review the different types of waves with the students.</li> </ol> <p><b>Procedures:</b></p> <ol style="list-style-type: none"> <li>2. TTW use the presentation station to introduce the students to an interactive tree map. TTW model how to manipulate the words in order to complete the tree map.</li> <li>3. TSW complete the tree map and print.</li> <li>4. TSW use the printed tree map to write a paragraph describing the different types of waves.</li> </ol> <p><b>Closure:</b></p> <ol style="list-style-type: none"> <li>5. Students will use the teacher's presentation station to share their paragraphs.</li> </ol>
Materials:	Power Point Template, computers, Power Point, Word, printer, presentation station
Assessment:	Completed weather charts, completed Graph Club chart and graph, teacher observation
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School:	 Loranger Middle/ Amite West Side

