

Seth Vanzant
 Foss Lesson
 05/13/07

<p>Lesson Plan Title: Sound Challenges – The Physics of Sound Activity 4 (Foss)</p> <p style="text-align: center;">Grade 3</p>	<p>Key Concept(s) in this lesson:</p> <ul style="list-style-type: none"> • <u>Physical Science</u> <ul style="list-style-type: none"> ○ Sound Receiver ○ Sound Source ○ Sound Travel • <u>Key Vocabulary</u> <ul style="list-style-type: none"> ○ Amplify ○ Megaphone ○ Inner-ear ○ Outer-ear
<p>WHAT YOU WANT STUDENTS TO KNOW, BE ABLE TO DO, OR FEEL/UNDERSTAND</p>	
<p>Lesson goal(s)</p>	
<p>In Sound Challenges the Students Will:</p> <ul style="list-style-type: none"> • Observe that the outer ear is designed to receive sound. • Compare different ways to make sounds louder and travel farther. • Record observations of how sounds travel. • Organize and communicate findings. • Learn concepts that will contribute to understanding of the following theme: Structure and Interaction. 	
<p>Specific Objectives</p>	
<ul style="list-style-type: none"> • Students will work in groups of 4 to complete sound challenge worksheets. • Students will follow their assigned group roles to complete the worksheets and plan presentations. • Students will understand how volume changes from source to receiver (ear) and how to amplify the source/reciever. • Students will prepare presentations on their assigned sound challenge worksheets. 	
<p>Standards addressed (EALRs, GLEs)</p>	
<p><u>Science</u></p> <p>EALR: 1. SYSTEMS: The student knows and applies scientific concepts and principles to understand the properties, structures, and changes in physical, earth/space, and living systems.</p> <ul style="list-style-type: none"> • Component: 1.1. Properties: Understand how properties are used to identify, describe, and categorize substances, materials, and objects and how characteristics are used to categorize living things. • GLE: 1.1.3. Understand the behavior of sound in terms of vibrations, sound sources and receivers, and the behavior of sound <ul style="list-style-type: none"> ○ Students will describe experiences with sound (i.e., vibrations, volume, and sound travel). ○ Students will apply scientific concepts to understand that ways in which sounds travel ○ Students will <p>EALR: 2. INQUIRY: The student knows and applies the skills, processes, and nature of scientific inquiry.</p> <ul style="list-style-type: none"> • Component: 2.1. Investigating Systems: Develop the knowledge and skills necessary to do scientific 	