

Can You Hear Me Now?

Subject: Science,
ELA

Grade Level: 3-5

Concept: Entrepreneurial
Process

Method: Design
Thinking

OVERVIEW

Students will create a hearing enhancer to allow them to hear softer sounds during an outdoor field trip. The students will be given a basic set of materials. They will also be given a time limit to create, develop, and improve their design. Students have the opportunity to earn additional money by answering engineering questions. This will be in the form of multiple choice question sheet. After earning the extra money, they can purchase additional materials that will enhance their device. They will also be able to earn funds by evaluating one other's devices and offering feedback to help the other team improve their design. They must test their designs and there will be a set fee for testing. Once they have a working device, they will earn additional money. The team with the most profit at the end of the activity will earn a prize. Students may also create an infomercial to sell their enhancer to other students in the school. This would have to be done outside of school and reviewed by the teacher for final approval.

Connection to Entrepreneurship: Students will design, create, and build a hearing enhancer. They will be given limited resources to build their prototype.