

Sounds way cool!

I didn't know light could make you see that!



Wow—That's so Cool!

Here is your chance to wow your class mates. For this four-day weekend you will be working on a build-it project!

WHAT EVER WILL I DO?

You have choices... The more integrated and wow-ing your project is, the better grade you will receive.

You can make:

AN EAR	AN INSTRUMENT	AN OPTICAL ILLUSION	A SCOPE	PROPOSE YOUR OWN IDEA...
<p>Build a FUNCTIONING model of an ear that actually has a vibrating ear drum when sound is played close to it.</p> 	<p>We all made plucky things in the third grade. Can you make something that explores a change in pitch or volume? You have this weekend to invent something more creative and exciting than a tube with a balloon stretched over it!</p>	<p>Create your own obstacle illusion. Beth and Ron have a book of illusions that you can look through. Some are simple and some really tricky (we recommend you grab an extra for back up).</p>	<p>Kaleidoscope and periscopes are fun to make and fun to own.</p> 	<p>Before leaving class Wednesday share you idea with your teacher. Be able to explain what your plans are and how it shows traits of light or sound.</p>

WHEN WILL THESE BE DUE?

On **Monday October 12th** you will **present** your project to your classmates. Be sure to be able to explain:

- 1) **How** you made it
- 2) How it functions
- 3) **Why** it works
- 4) **How** it relates to **sound** or **light**

HOW WILL I DO THIS?

This is totally up to you! Haul out the paint, the nails, the scissors and the glue! Let us know if we can help you with locating any supplies before you leave class for the long weekend.

WHY ARE WE DOING THIS?

- It's fun!
- It allows us to tie "How do you know what to believe?" to **light** and **sound**.
- You can put your **sound** and **light** knowledge into a practical use.
- To **WOW** your classmates and teach them something fun and interesting.

HOW WILL I BE GRADED?

The following elements will affect your grade:

- 1) The more complex, the better the grade.
- 2) The more solid and interesting your presentation, the better the grade. (How well will you be able to explain your project and how it relates to light/sound?)
- 3) If your project is ready on time this will definitely lead to a higher grade. PLEASE be ready for class on Monday. This is a big one. If you have a busy weekend, pick a smaller project and communicate this choice to your teacher!