The Screamer

Here's your chance to make all the noise you want and do it in the name of science.

**What to do:** Hold the piece of cellophane stretched tightly between the thumbs and index fingers of both hands. Place your hands directly in front of your face so the cellophane is right in front of your lips. The set-up looks like this:

Blow hard and fast right at the edge of the tightly stretched piece of cellophane. Keep your lips close together so you send a thin stream of air right at the cellophane's edge.

**What happens:** When the jet of air hits the edge of the cellophane you will create the greatest, most terrible sound you've ever heard! If you don't get a terrible sound, adjust the distance between the cellophane and your lips until the air hits it just right.

**Why:** The rapidly moving air from your lips causes the edge of the cellophane to vibrate quickly. Because the cellophane is extremely thin, the jet of air makes these vibrations extremely fast. The faster something vibrates the higher the tone it creates.

**YOU NEED**

- piece of cellophane two inches (5 cm) square