Constructing the Horizontal Accelerometer

Step 0

Materials Needed:

- Accelerometer Card
- Plastic Tubing (at least 15.6 cm)
- BBs (3)
- Straw
- Scissors
- Clear Plastic Tape
- Rubber Band

Accelerometer Card Straw 3 BBs Scissors and clear Plastic Tape

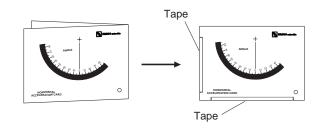
Step 1

 Remove the cutouts from each side of the Accelerometer Card.



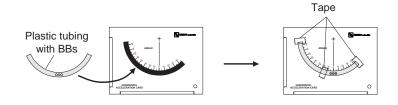
Step 2

- Fold the Accelerometer Card.
- Tape the side and bottom of the two halves together.
- White wood glue or hot glue can be used to secure the two halves of the Accelerometer Card together.



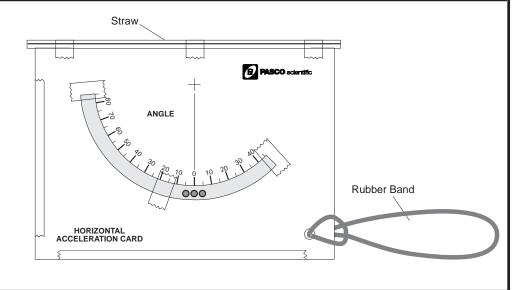
Step 3

- Cut the plastic tubing to fit the Accelerometer Card (15.6 cm).
- Place three BBs in the tube.
- Fit the tube into the card.
- Tape the tube to the card on both sides.



Step 4

- Tape the straw to the top of the Accelerometer Card.
- Secure the rubber band to the hole in the card, as shown. It serves as a lanyard.



Constructing the Vertical Accelerometer

