

GRADE 8

INTERMEDIATE-LEVEL TEST SCIENCE

PERFORMANCE TEST

Name_____

School_____

The questions on this test measure your knowledge and understanding of science.

The test has one part in this booklet.

You may use a calculator to answer the questions on the test if you wish.

You will have 15 minutes to answer the questions on this test

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.

This booklet contains science performance task located at your station. At this station, you will have 15 minutes to finish your work. Continue working until you see the word “STOP” at the bottom of the page or until the 15 minutes are up. If you have extra time, check your work, or wait quietly.

Do not help other students or ask others to help you. Everyone should work alone. There must be no talking between students during this test.

Read the description of the station carefully. Read carefully all of the directions in the boxes. All of your answers must be recorded in this test booklet. After you complete the task at this station, please leave the station the way it is shown on the station diagram.

Seed Lab

Cut and fold a sheet of paper to make a simple airplane chopper.

Materials and Tools:

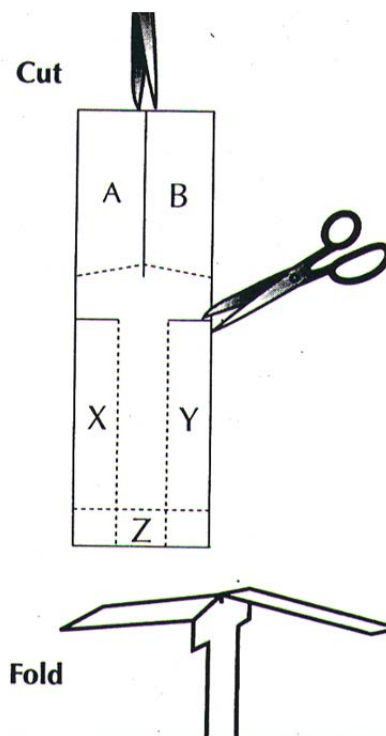
1 8.5 X 11 sheet of paper.

A pair of scissors.

Procedure:

- 1) Carefully cut along the solid lines.
- 2) Fold along the dotted lines next to the x rectangle so that the x is facing upward
- 3) Fold along the dotted lines next to the y rectangle so that y is facing upward
- 4) Fold dotted lines next to box Z so that the letter Z is facing is showing and facing upward.
- 5) Fold along dotted lines next to the A rectangle so that the letter A is facing up.
- 6) Fold along dotted lines next to the B rectangle so that the letter B is facing down.
- 7) Attach a paper clip or two to box Z for added weight.
- 8) Complete the data table below and answer the questions.

Data Table:



Trial	Name	Distance (m)	Time (s)	Speed (m/s)
1	<i>You</i>			
1	<i>Partner</i>			
2	<i>You</i>			
2	<i>Partner</i>			
3	<i>You</i>			
3	<i>Partner</i>			

Questions:

1. What does the whirligig do? _____

2. Which way does it rotate? _____

3. Why does the whirligig rotate in a certain direction? Ears/wings or foot? _____

4. What affects the way the whirligig works? _____

Use this template to make your whirligig. Cut on the solid lines and fold on the dotted lines.

