



Wing span: 72-90 inches

How long is your wingspan?



The beaver can hold its breath for up to 900 seconds (15 minutes).

How long can you hold your breath?

Directions for this station:

1. Use the timer to measure how long you can hold your breath.
2. Record you data on the student sheet.



A mountain lion can jump up to 40 feet horizontally.

How far can you jump?

Directions for this station:

1. Stretch out the tape measure and lay it on the ground.
2. Standing at the “0 Centimeter” mark, take your lonest jump.
3. Record your data on the student data sheet.



This owl has such good hearing it can catch its prey in total darkness!

How well can you hear?

Directions for this station:

1. Have one student put on the blind fold.
2. Have another student hold the bell.
3. The blindfolded student will try to locate the one making the ringing noise.
4. Record your success on the student data sheet.



The Pronged Antelope is the fastest land mammal in North America. This animal can run up to 70 mph.

How fast can you run?

Directions for this station:

1. Lay out the 100 foot rope in a straight line.
2. Use the timer to see how long it takes you to run from one end of the rope to the other.
3. Use the conversion chart to calculate your speed.
4. Record your results on the student data sheet.

Image from: <http://animals.nationalgeographic.com/animals/mammals/antelope/>



Frogs can hop many times their body length. The bullfrog can hop up to 10 times its body length.

How far can you hop?

Directions for this station:

1. Lay out the measuring tape.
2. Starting at one end, hop as far as you can.
3. Use the tape measure to measure your height.
4. Multiple your height in inches x 10.
5. Compare your jump to a bullfrog.
6. Record your results on the student data sheet.



The Pinacate Beetle (the stink bug) can stand on its head and emit an odor to protect itself from predators. Since this is a defense, the beetle must be able to do this quickly when they sense a threat.

Can you do a headstand?

Directions for this station:

1. Try to do a headstand for 10 seconds.
2. Record your success on the student data sheet.

Speed Conversion Chart

Distance: 100 feet

Feet per second (fps) converted to Miles per hour (mph)

Time to Run 100 Feet	Speed
1 second	68 mph
2 seconds	34 mph
3 seconds	22.5 mph
4 seconds	17 mph
5 seconds	14 mph
6 seconds	12 mph
7 seconds	10 mph
8 seconds	9 mph
9 seconds	7.5 mph
10 seconds	7 mph
11 seconds	6 mph
12 seconds	5 mph

Student Data Sheet

1. How long can you hold your breath?

2. How far can you jump?

3. Were you able to find the bell when you were blindfolded?

4. How fast can you run?

5. A bullfrog can hop up to 4 feet (the current record).
How far could you hop?

6. How long can you do a headstand?

Why is it important for an animal to be able to jump far or run fast?
