

Your mission is to complete all of the activities while exploring the Adventure Tower. Use the colors of each level to help you navigate. Good luck!

LEVEL ONE

1. Find the exhibit that helps you to lift a car. What simple machine makes this possible?

Which rope makes it easier to lift the car? Circle one: A B

LEVEL TWO

2. Look into the red periscope. Write down one thing you see. _____
What is unusual about seeing things in a periscope? _____
3. Step on each key of the Walk-On Piano. Is the lowest sounding note on the left end or the right end of the piano? _____
4. Go into the Shadow Room in the corner. Press the button and then go stand against the wall without moving until the light goes out.
What happened? _____
5. Use the Solar Whirligig to make the plane move. What kinds of cells produce electricity when light shines on them? _____
6. Hop on the Bicycle Elevator. How many turns of the wheel does it take to make the elevator reach the top? _____
What do you hear when the elevator reaches the top? _____

LEVEL THREE

7. Climb up the vertebrae ladder. How many vertebrae do you step on to get to the top?

- Where in your body are your vertebrae? _____
8. Observe and climb up the skin wall. How does our skin protect us?

9. The heart is the hardest working muscle in the body. Notice that the heart never stops beating. How many gallons of blood are pumped each minute through the heart?

LEVEL FOUR

10. Read the signs on this level. How many feet above sea level will you find:
Smog _____ Altocumulus Clouds _____ Cirrus Clouds _____
11. Why do tornadoes form?

Tower Trek Teacher Directions & Answer Key



Directions: The Adventure Tower is the metal structure in the middle of the Center with multiple color-coded levels. Students can use the colors to help complete the Trek. All levels have steps and some have tubes. Chaperones will have to be aware that tunnels lead to new levels and this may result in being separated from the students.

Answer Key:

1. Lever; B
2. Can be anything from people to things in the building, images are upside down.
3. Left side
4. Your body left a shadow on the wall.
5. Photoelectric or solar cells
6. It is about 16 revolutions; You hear a bell or buzzer sound.
7. 9 vertebrae; In your spine or spinal column
8. Protect against germs and the harsh environment outside our body
9. 1.3 Gallons
10. Smog: 0 – 10,000 feet; Altocumulus Clouds: 6,000 – 20,000 feet; Cirrus Clouds: above 18,000 feet
11. Because a cold air mass follows a warm air mass