

Hands-On Tech Grades 7 - 10

Get hands-on with technology and explore its many applications in the exhibit areas listed below:

Signals Stations

What does it mean to “digitize” something? Describe what you digitized at Signal Stations?

Which term describes what happens when you send your picture to the big screen?

- A. Processing
- B. Transmitting
- C. Capturing
- D. Receiving

Anytime/Anywhere Ramp

In the 1930’s what music player worked without the use of electricity? Describe what it looks like.

Nanotechnology

Describe the ways advancements in nanotechnology are affecting one of the following industries: Fashion, Medicine, Transportation, Electronics, Architecture and the Environment

Virtual Surgery

Describe the condition of your patient’s heart and what you must do to help repair it.

Robots

What are the three “senses” your robot has that help it navigate through the Zone?

What goal does your robot have in the Zone? What can you do to help it reach that goal?

HDTV Studio

Explain what one of these members of a Broadcast team does to help put the show together
Director / Host / Field Reporter / Camera Operator / Technical Director / Field Producer:

Animation Studio

What things can you adjust on your character's face and body to show them "reacting" to something in the storyline?

Name some of your favorite animated or feature films and the type of animation technique they employ.

1.

2.

3.

Dance Motion Capture

Describe how motion capture animation works to help create realistic movements in animated characters.

We hope you enjoyed your visit to Sony Wonder Technology Lab!
Visit us again to continue exploring exciting ways to create, connect and collaborate.