

Space Haven

Adventures in Outer Space



Objective:

Create a fictional story describing how the human body functions to survive in space. Design a costume and superpowers that enhance the abilities of the human body.

Background:

The human body is like a machine with many systems working together to allow for life, movement, cognitive function, growth, repair, reproduction and so much more. These systems include the integumentary, muscular, skeletal, nervous, endocrine, respiratory, circulatory (cardiovascular), digestive, and lymphatic (immune) systems. Each system is made up of organs that work together to carry out specific functions or jobs.

[Human Body Intro -Video](#)

[Body Systems Interaction Chart](#)

[Human Body in Space](#)

[What Space Does to the Body - Video](#)

What to do:

In order to survive traveling to outer space the human body must withstand the forces of gravity fields, hostile environments and radiation. Each of these challenges need to be combated with special equipment. Think about how the conditions in space are different from the conditions on earth. For example, there is no oxygen in the atmosphere and there are extreme temperatures

1. Design a costume and superpowers that will enhance the body's ability to survive in the harsh environment. [5 Tips on How to Draw a Superhero](#)
2. Choose 3 body systems. Explain the organs of and functions of each system. Explain how the systems work together to keep the body functioning with the enhanced superpowers you created. [Body Systems Working Together](#)
3. Draw, color, and label your superpowered costume.
4. Create your Sci-Fi story. Travel through space and describe your experiences how your body was able to overcome obstacles and survive in the unknown environment.
5. Share your story through the SciArt Exchange submission system at:
<https://contest.sciaartexchange.org/XpandYourHorizon/> They will share their favorites!

Resources:

[How the Body Works: Movies \(for Kids\) - Nemours KidsHealth](#)

[How the Body Works Main Page - Nemours KidsHealth](#)

[How the Body Works: Articles \(for Kids\) - Nemours KidsHealth](#)