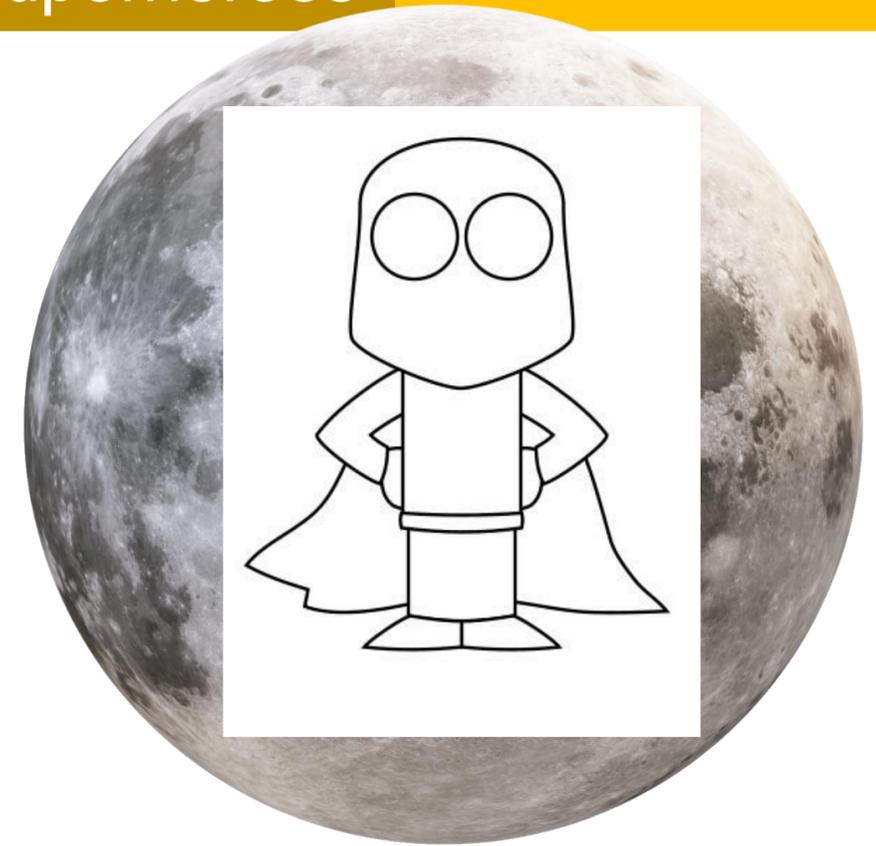


# Space Haven

Adventures in Outerspace

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



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## Activity Overview

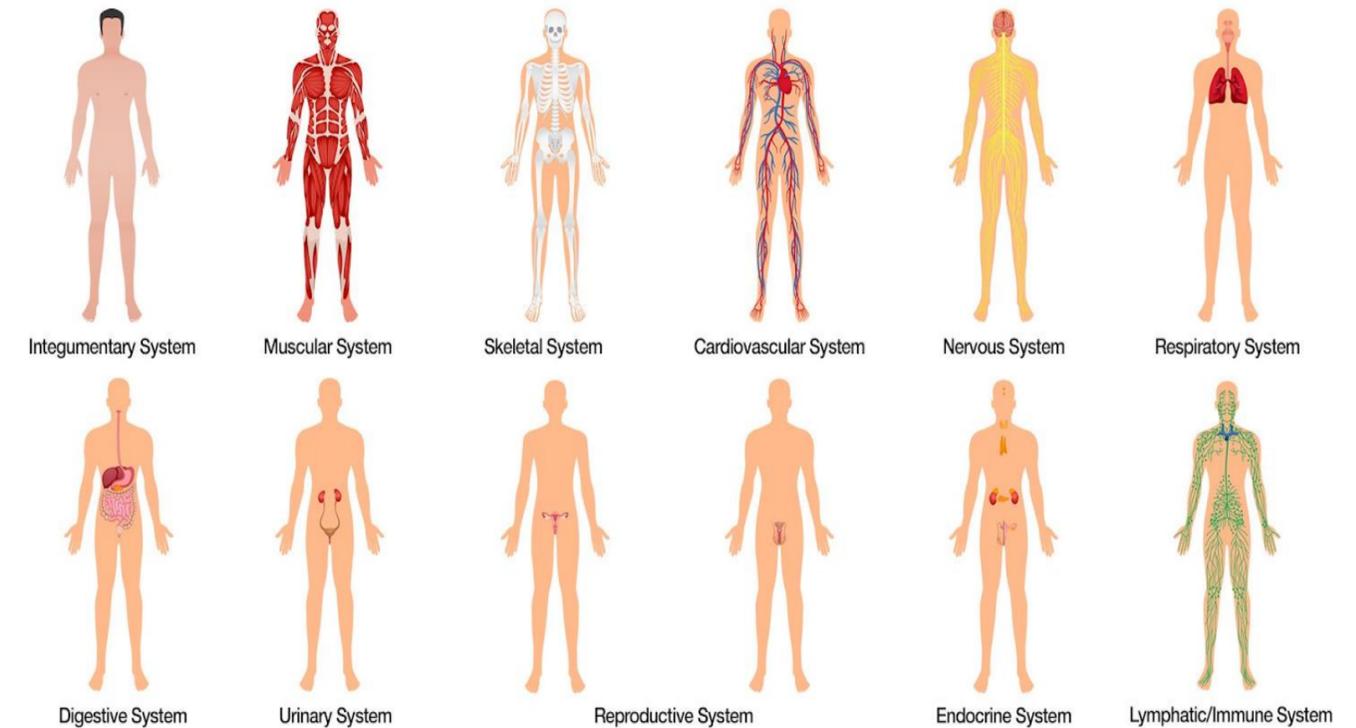
The systems of the human body work together to carry out all life functions. Design superpowers and a costume to enhance your body so that it can survive the conditions of space travel. Write a Sci-Fi story describing your adventures through space.

## Activity 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.

[The Human Body in Space](#)

## Body Systems



## Materials and Method

You Will Need:

Pencil

Paper

Color pencil or other art supplies

## Activity

1. Choose 3 body systems. Explain the organs of and functions of each system. Explain how the systems work together to keep the body functioning.
2. 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
3. Design a costume and superpowers that will enhance the body's ability to survive in the harsh environment.
4. Draw, color, and label your superpowered costume.
5. Create your Sci-Fi story. Travel through space and describe your experiences, how your body was able to overcome obstacles, and how it could survive in the unknown environment.
6. Share your story through the SciArt Exchange submission system at:  
<https://contest.sciartexchange.org/XpandYourHorizon/> They will share their favorites!

## Supplemental or Supporting Material

The Human Body in Space - <https://www.nasa.gov/hrp/bodyinspace>

[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](#)

## Activity Objectives

1. Design a costume and superpowers to help the human body survive in outer space
2. Describe how 3 body systems work together to travel through space
3. Write a short story describing your adventure and use of your superpowers as you traveled through space.

## Keywords

- Structure
- Function
- Circulatory
- Respiratory
- Skeletal
- Muscular
- Digestive
- Excretory
- Integumentary

## Standards (Optional)

The Texas Essential Knowledge and Skills (**TEKS**)

### Science

7.12 (B) Identify the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, excretory, reproductive, integumentary, nervous, and endocrine systems.

7.9(A) analyze the characteristics of objects in our solar system that allow life to exist such as the proximity of the Sun, presence of water, and composition of the atmosphere; and

(B) identify the accommodations, considering the characteristics of our solar system, that enabled manned space exploration.

### Writing

7.10(A) plan a first draft by selecting a genre appropriate for a particular topic, purpose, and audience using a range of strategies such as discussion, background reading, and personal interests

7.10(B)\* develop drafts into a focused, structured, and coherent piece of writing by: (i)\* organizing with purposeful structure, including an introduction, transitions, coherence within and across paragraphs, and a conclusion (ii)\* developing an engaging idea reflecting depth of thought with specific facts, details, and examples

7.12 use research skills to plan and present in written, oral, or multimodal formats