

Sensorial Art For Space

SciArt Exchange

Activity Duration: 60 min

Ages: Middle School (6th-8th)

Design your Habitat Theme: Getting Started

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Introduction

An activity to create sensory-rich artwork which will act as a souvenir from Earth in your space missions. Astronauts often face sensory deprivation and this will be a great way to help us thrive in space!



Activity Overview

Design an artwork that uses multi-sensory experience using simple materials that would accompany you in your space mission.

Activity Outline

1

Learn

2

Think

3

Create

1

Learn

There are different types of sensorial artforms that cater to our five senses.

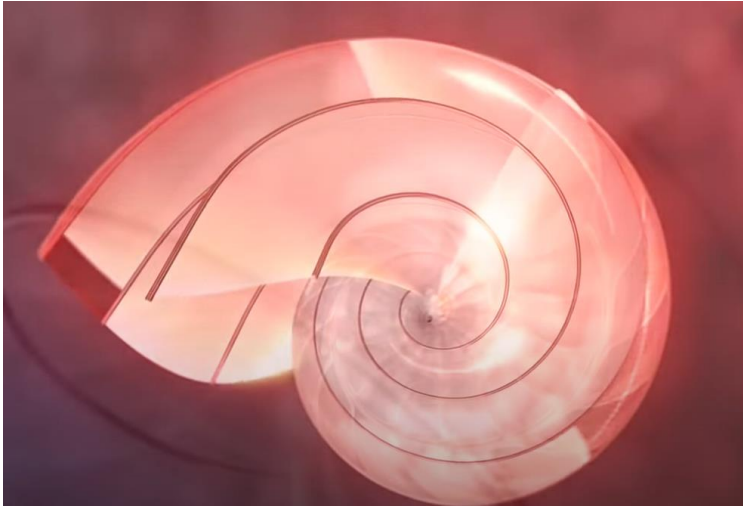


A common example of such artforms is scratch-n-sniff paintings.



You could also think of it as a combination of different artforms!

Sensory Inspired Art



Sometimes the artwork does not need to have multi-sensory experiences. It could perhaps be inspired by a different sensorial artform. For e.g., the golden ratio, as found in nature, is implemented in architecture, paintings as well as in music.

2

Think

What sensory experiences
will you miss from Earth in
your space mission?

Favorite Sensory Experiences

List out what you will miss the most in terms of your favorite sensorial experiences. To help get you started, the next page is a template for you to fill out! Try to tie all of these experiences into one memory/ story if you can. I will share my favorite things to give an example.



What I like to see

What I like to hear

What I like to touch

What I like to smell

What I like to taste

In Earth

In Space!!

(For the bottom row, fill out with an idea of how you could bring your favorite thing to space)

What I like to see

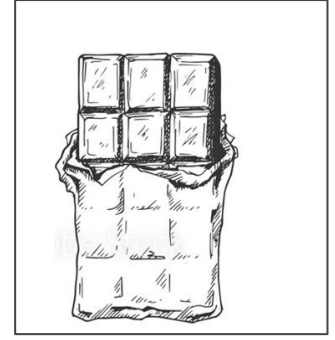
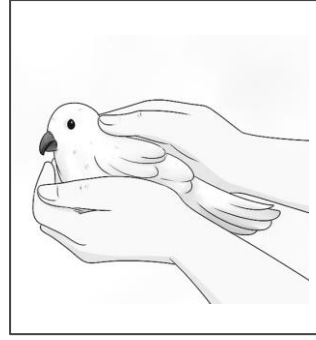
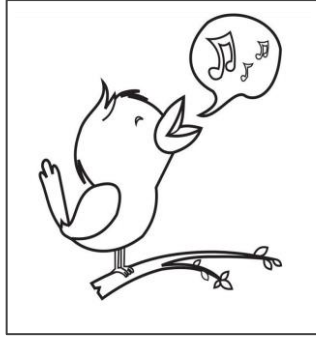
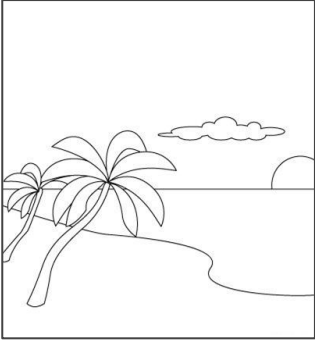
What I like to hear

What I like to touch

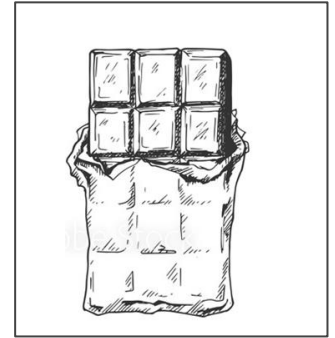
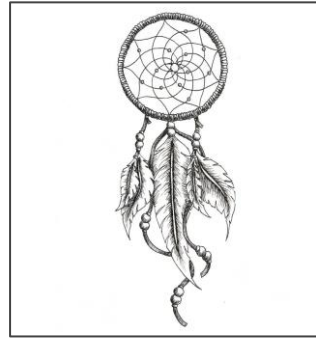
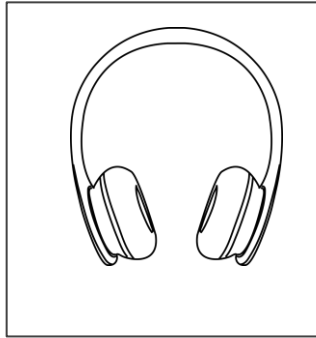
What I like to smell

What I like to taste

In Earth



In Space!



(For the bottom row, fill out with an idea of how you could bring your favorite thing to space)



Create

Now let's design your
space artwork!



Choose the experience

Choose one memory/ imaginary
story that has some of your
favorite sensory experiences

As an example, I like making
sandcastles in the beach!

What are the
sensory
components of
this experience
that you love?

E.g.: For making sandcastles in the beach:

visual = beautiful beach waves

sound = wind and waves crashing on shore

tactile = sand

Once you have a clear idea of the experience you want to re-create in space,

Gather Materials

Base materials - Paper, Cardboard, Clay

Visual - Scissors, Colors

Auditory - Rubber Band, Thumb Tack

Smell - Essential Oil

Touch - Sand, Feathers

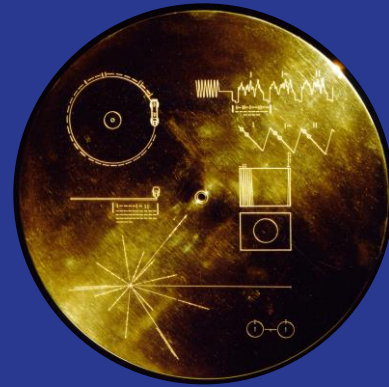


How could you
best represent
this experience
through the
materials you
have?

Add a secret message!



Here's an example of what NASA sent as a secret message for aliens to decode -



The background is a solid pink color. In the top right corner, there is a decorative graphic consisting of several overlapping geometric shapes: a dark pink square, a medium pink square, and a light pink square, all partially cut off by the edge of the frame.

Ready for take-off!

Conclusion

What is the conclusion of your experiment? Did the results support your hypothesis or predicted outcome? How will your findings help the area of science you've researched?



For the curious ones

Multi-sensory art -

<https://www.metmuseum.org/blogs/digital-underground/2015/multisensory-met>

An example outcome for space -

<https://www.tamaleebasu.com/astropod>

Example outcome for earth -

<https://www.tamaleebasu.com/rehab-centre>

Advanced example outcomes -

visual+sound= <https://learn.adafruit.com/drawdio>

spatial+kinesthetic= <https://dl.acm.org/doi/10.1145/2395131.2395132>

Further reading on sensory-inspired art -

<https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1055&context=sheldonpubs>

