



SPACE  
MESSENGERS

**BioSTEAM** Activity Guide



## SPACE MESSENGERS' WORKSHOP

Week 2: Feb 1-5  
Science, Art & Philosophy

### OVERVIEW

In this lesson you will prepare your students for the second day of the workshop called Science, Art & Philosophy. Students will meet and hear from Dr. Catarina Pombo Nabais who will introduce the connection between art, science and philosophy that will be integrated throughout the workshop.

#### **Subjects**

Art, science, technology, philosophy, humanities

#### **Estimated Time**

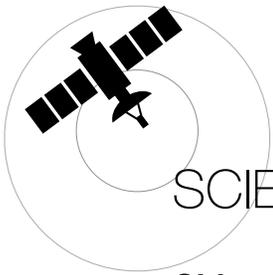
One 50-to-60 minute class period, or several class periods throughout the week.

#### **Grade Level**

7-12

### CHECK IN

Students should try logging in to the Space Board and be sure they can login. Confirm that all students have uploaded their avatars and bios to the Space Board.



# SCIENCE + WRITING ACTIVITY

## Objectives

*Students will be able to:*

- Understand the message and goals of science and art curator, Dr. Catarina Pombo Nabais, which shows us the definitions and connections between art, science and philosophy.
- Analyze the transcript to find inspiring phrases for the Space Board and deepen understanding.
- Draw connections between art, science and philosophy and the students' own lives.

## Watch Dr. Catarina Pombo Nabais video (25 mins)

Watch Catarina's video as a class and discuss: <https://vimeo.com/504519082>

1. As students watch, have students think about the following questions:

- What do you notice?
- What makes you wonder?
- What peaks your curiosity?

2. Remember the workshop question: What are your thoughts and wishes for a sustainable interplanetary future? Did they learn anything that expanded their thoughts about this question? Ask students to share their observations and discuss their thoughts.

## Analyze the transcript of Catarina's presentation

Ask students to scan Catarina's transcript and highlight lines that peak their curiosity or inspire them to learn more. One optional tool used to analyze themes is a word cloud for example the one we made to explore Catarina's transcript. (See next page)

1. Have students highlight words, phrases or sentences in the text that they want to explore further. Collect essential words in a document.
2. Try creating a free word cloud at <https://www.wordclouds.com/> or have students create their own. This tool is great to check out common themes in student work. (word clouds accept a variety of file types)

