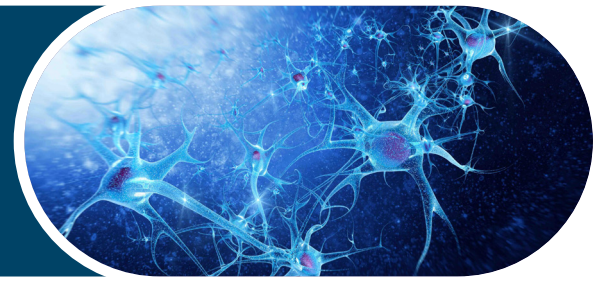


# DIGITAL DISCOVERY WORKSHOPS

Teacher Toolkit: Piece of Mind | Grades 3–8



## PROGRAM OVERVIEW

*Get familiar with the program content.*

### Program Description

Be awe-inspired by the power of the brain as participants learn how it controls memory, movement, and sight. Discover how the brain functions through live activities and fun puzzles, and see a real human brain specimen!



### Program Objectives

Participants will become familiar with several main regions of the brain and their main functions.

Participants will demonstrate and discuss how different parts of the brain work together to process information.

Participants will be able to compare and contrast a brain model to a real human brain specimen.

Participants will recognize the importance and role of the brain in everything we do.

### Program Key Words (English/Spanish)

Brain/ el seso

Lobe/ el lóbulo

Frontal/ frontero

Temporal/ temporal

Occipital/ occipital

Parietal/ parietal

Hemisphere/ el hemisferio

Model / un modelo

Specimen/ el espécimen



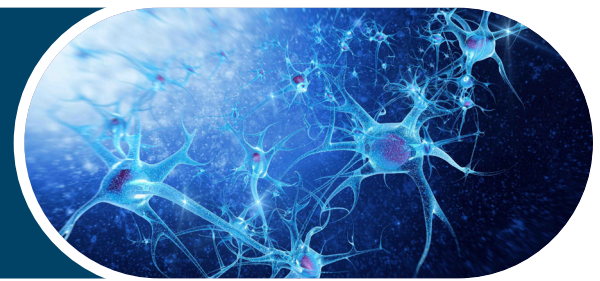
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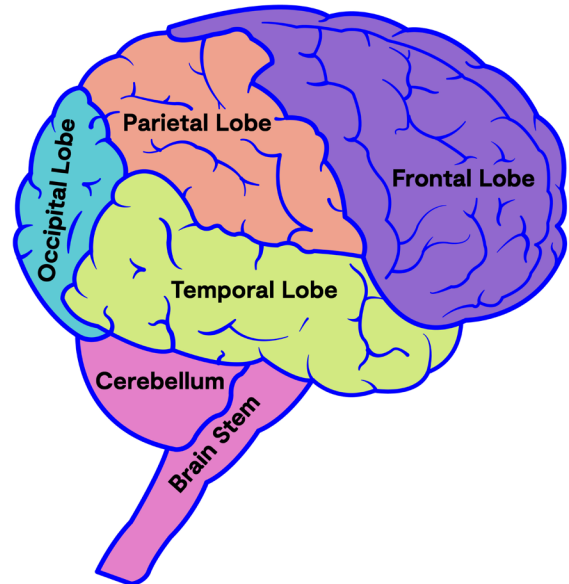


## Program Outline

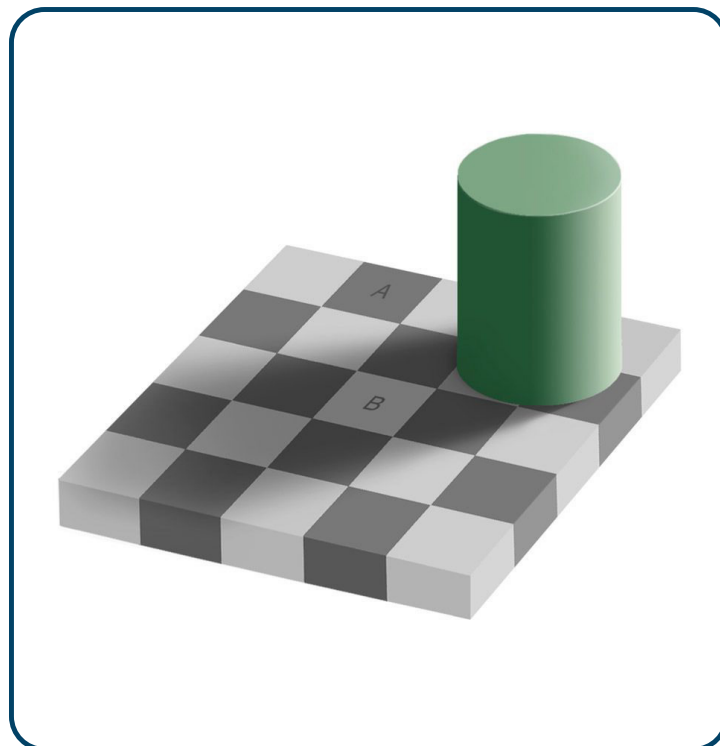
*Subject to change*

- Introduction of program, expectations and safety.
- Introduction to the brain with brain model.
- Parts of the brain- hemispheres, cerebral cortex, lobes.
- Frontal lobe pictiography.
- Parietal lobe sensations.
- Temporal lobe memory game.
- Occipital lobe illusions.
- Real human brain exploration and questions.
- Program conclusion.

[View Supported NGSS](#)



## BEFORE THE PROGRAM



## DISCUSSION PROMPTS

Use these prompts to lead an optional pre-program discussion and reflection in your class.

- What do you already know about the brain? What questions do you have about the brain?
- What are our five senses? What role do you think the brain plays in helping us receive and process each of these senses? Do you think any of these senses would be possible without our brain?
- Our brains are so important to everything we think and do! What are some ways you keep your brain healthy and safe?



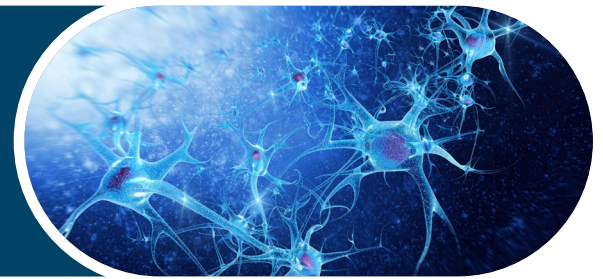
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## DURING THE PROGRAM

Print the optional worksheet for your students to follow along with during the live presentation. The back of the worksheet includes additional prompts for after the program.

### PRINTABLE WORKSHEET

- Piece of Mind Printout: [Click to download](#), then print double sided.

## AFTER THE PROGRAM

These optional extension resources can be used within the learning space, or shared with students to do at home with their families.

### ACTIVITY GUIDE

- **Blind Spot and Hole in the Hand | Punto Ciego y Orificio en la Mano:** Create your own optical illusions in this hands-on activity. Activity time: 20–40 minutes.

### ADDITIONAL RESOURCE

- **Brain hemisphere hat:** Make your own brain hat from a printout to continue exploring the locations and functions of different regions of your brain. Activity time: 30 minutes.



### STEAM VIDEO

- **Illusions Show:** Watch a recording of PacSci's 20-minute live science stage show all about how optical illusions trick our eyes and brains.
- **Career Corner playlist:** Select one of the Neuroscience themed videos on PacSci's Career Corner playlist to meet real scientists and learn about the work they do. Activity time: 5–10 minutes per video.

### READING LIST

- Check out the [Piece of Mind reading list](#) for STEAM books related to the program themes.

For more activities with simple materials, check out the [Curiosity at Home](#) / [Curiosidad en Casa](#) web page. Explore activity sheets by age group and topic in both English and Spanish.



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