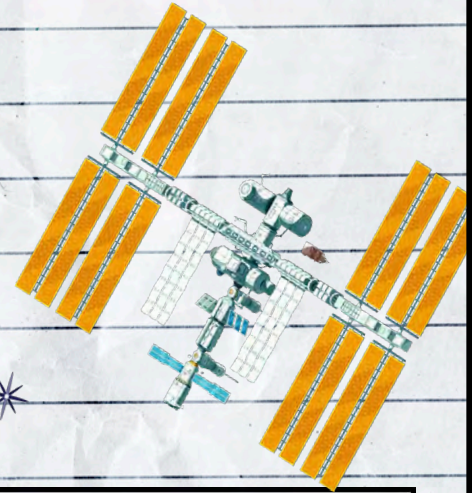


VIRTUAL CAREER DAY

Bundle

5th – 8th Grade
Print & Digital



VIRTUAL CAREER DAY:
Architect

TALKING POINTS!

As you conclude the talking points, collect checkmarks to check off each item on the list. Use copy (Ctrl+C) and paste (Ctrl+V) to place them in the correct box.

1. What Do You Know About Architecture?
2. Important Terms
3. Architecture Through Time
4. Meet Barry Berkus
5. Meet Alice Kim
6. Exploring Biomimicry in Architecture

Middle Grades

VIRTUAL CAREER DAY:
Botanist

WHAT WOULD YOU RESEARCH?

Long Marston has been an important site for the study of plant life. In the future, Marston is expected to be a key site for research in agriculture to increase food production and reduce the need for pesticides.

If you were a botanist, what would you most like to research and why?

Magi CORE

VIRTUAL CAREER DAY:
Occupational Therapist

EXPLORE A SENSORY ROOM!

These activities feature sensory activities and structures in sensory rooms. Do you think that you would benefit from any of these during times of stress or frustration? Why?

Middle Grades

VIRTUAL CAREER DAY:
Astronaut

SPACE SUITS

1. Space suits are the key to space.

2. Space suits started as simple suits for flight.

3. Space suits evolved into more complex suits for space.

4. Space suits required space suits with new and improved technology in order to keep astronauts safe from space itself!

5. Astronauts need two kinds of suits for landing and takeoff, and for EVA. They both have a life support system.

Life Support System

Magi CORE

VIRTUAL CAREER DAY:
Seismologist

TALKING POINTS

As you conclude the talking points, collect checkmarks to check off each item on the list. Use copy (Ctrl+C) and paste (Ctrl+V) to place them in the correct box.

1. Earthquakes 101
2. Seismologists
3. Advances in Seismology
4. Maggi Glascoe and Being
5. Brian Bapine and Earthquake
6. Lucy Jones and Earthquake
7. Katie Keranen and Human
8. Preparing to Be a Seismologist
9. Earthquake Safety

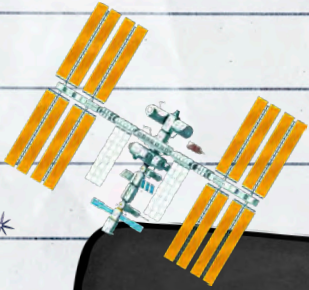
Middle Grades



Middle Grades

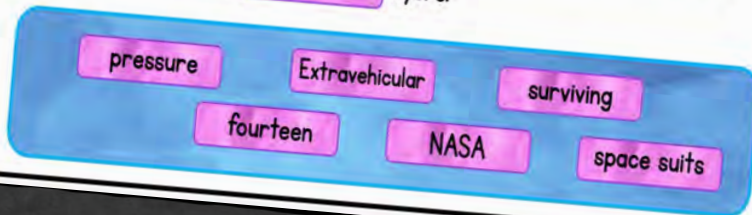
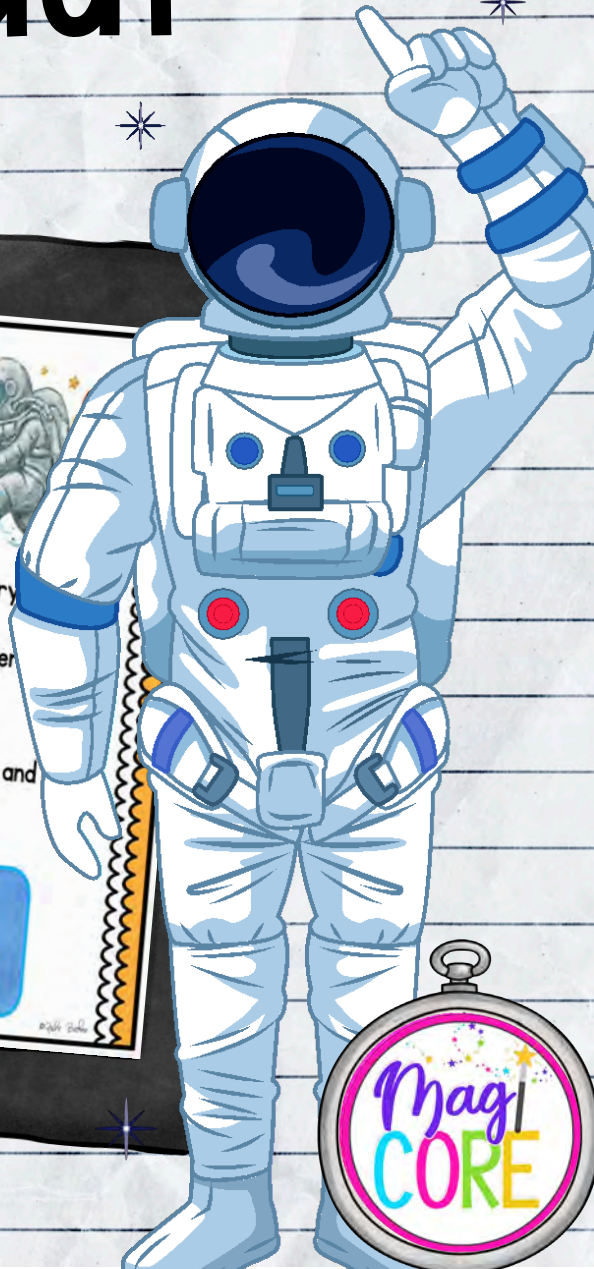
VIRTUAL CAREER DAY:

Astronaut



SPACE SUITS

1. Space suits are the key to in space.
2. Space suits started as simple suits for fliers.
3. started developing space suits in the 1960s for the Mercury.
4. activities required space suits with new and improved material technology in order to keep astronauts safe from space itself.
5. Astronauts need two kinds of : one for landing and takeoff, and for EVAs. They both have layers.



Middle Grades



Interdisciplinary

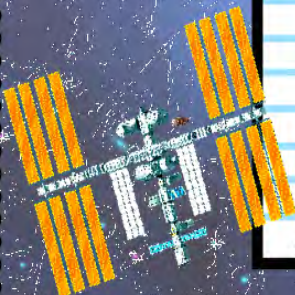
WHAT IS AN ASTRONAUT?

astronaut *noun*

someone who is trained to travel to
space and in spacecraft

NASA *noun*

National Aeronautics Space Administration;
a private agency of the U.S. government;
responsible for aeronautics and space
research



Integrates Reading

INTERNATIONAL SPACE STATION

The ISS is a very large satellite that orbits Earth every 90 minutes. It is a joint project among several countries, including the United States. Astronauts can live in the ISS for months at a time while conducting research.



Click the picture to read about the International Space Station, and then watch the video.



Engaging & Educational Media

BECOMING AN ASTRONAUT

Astronauts need to have a good memory! Watch the video to learn about the memory test.



TALKING POINTS



Would you be able to remember the numbers and recite them backwards? Try it with a friend!

Critical Thinking



Writing Exercise

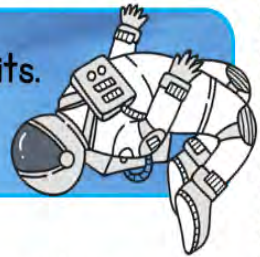


SPACE SUITS

TALKING
POINTS

Watch *this* video to learn more about space suits.

Below, explain the purpose of each layer.



mechanical
pressure suit

A large, empty rectangular box with a thick pink border, intended for writing the purpose of the mechanical pressure suit.

thermal suit
and boots

A large, empty rectangular box with a thick pink border, intended for writing the purpose of the thermal suit and boots.

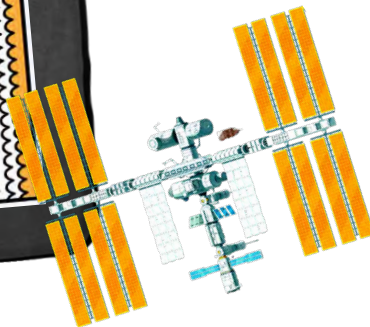
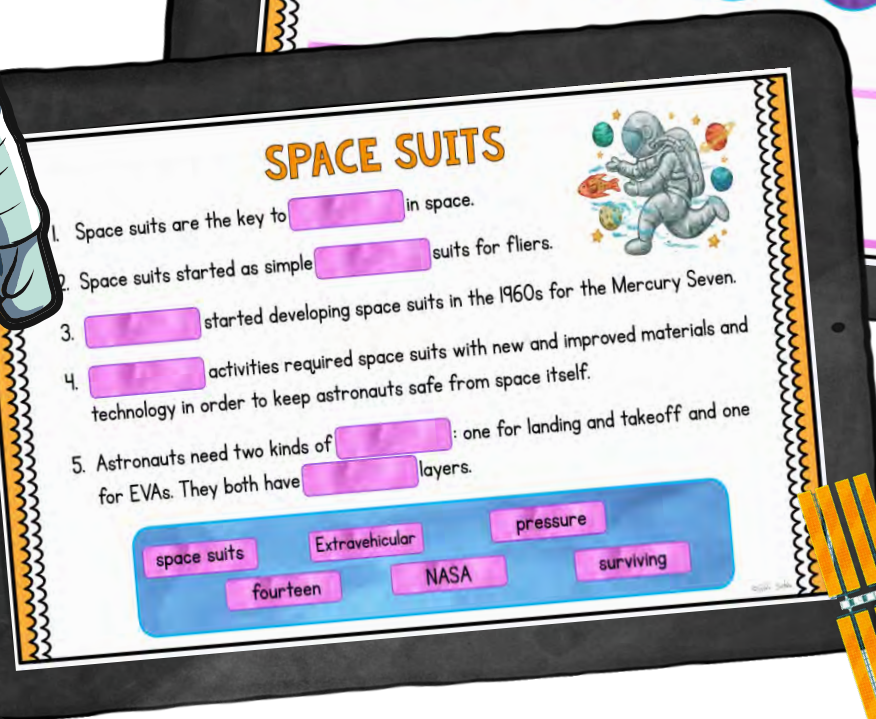
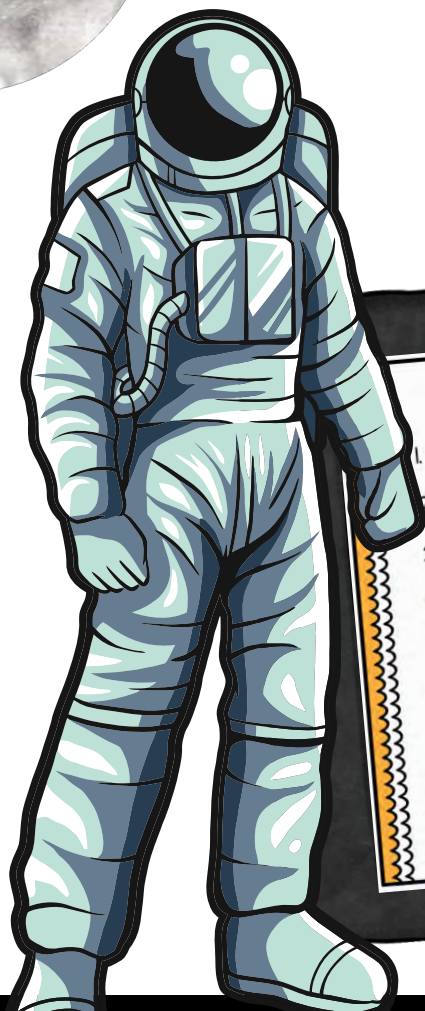
survival suit

A large, empty rectangular box with a thick pink border, intended for writing the purpose of the survival suit.

helmet

A large, empty rectangular box with a thick pink border, intended for writing the purpose of the helmet.

Interactive Movable Pieces



VIRTUAL CAREER DAY:

Architect



TALKING POINTS!

As you conclude the talking points, collect checkmarks to check off each item on the list. Use copy (Ctrl+C) and paste (Ctrl+V) to place them in the correct box.

1. ☐ What Do You Know About
2. ☐ Important Terms
3. ☐ Architecture Through H
4. ☐ Meet Barry Berkus
5. ☐ Meet Alice Kimm
6. ☐ Exploring Biomimicry in Architecture

Middle Grades

Magi CORE

Interdisciplinary

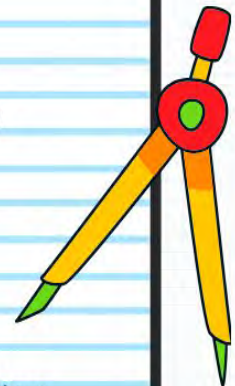
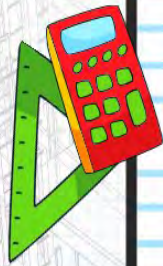
WHAT IS AN ARCHITECT?

architect *noun*

someone who is qualified to design
buildings and other structures

architecture *noun*

the art of designing and constructing
buildings and other structures



Engaging & Educational Media



Integrates Reading

MEET BARRY BERKUS

Barry Berkus was a well-known American architect. Berkus lived and worked in Southern California, and earned many awards for creativity, design, and teaching. Berkus's work continues to inspire and teach others about the field in many ways. Watch the three following videos to learn more.



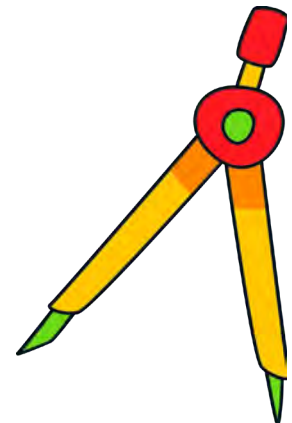
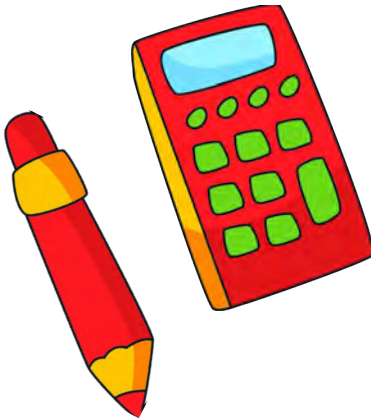
Interactive Movable Pieces

DIFFERENT TYPES OF ARCHITECTS

Read *this* article to learn about different types of architects and what they do! After reading, label each image with the architect that does the kind of work shown. There are three images on this slide and four on the next slide. Each label will be used one time.



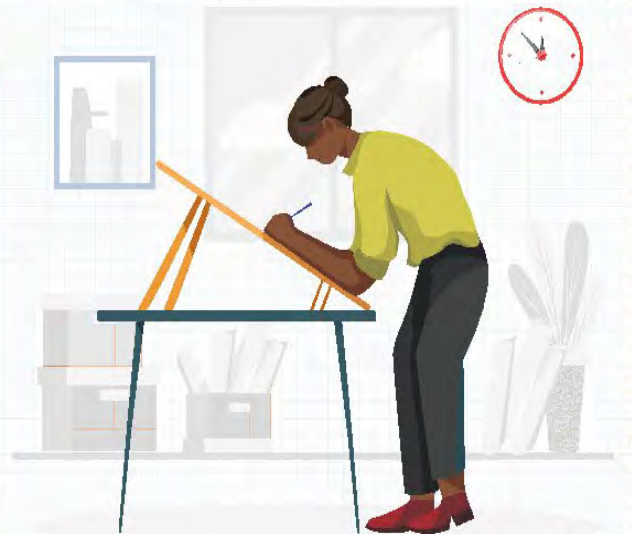
Critical Thinking



Writing

WHAT DO YOU KNOW ABOUT ARCHITECTS?

In the space below, write what you know about architects. What is their job? Who do they work with? What settings do they work in? What subjects do they use on the job?



©Gale Bickel

VIRTUAL CAREER DAY:

Botanist

WHAT WOULD YOU RESEARCH?

Livia Martinez researches chloroplast inheritance in the DNA of Gingko Biloba trees. In the future, Martinez is interested in working in agriculture to maximize food production and nutrition.

If you were a botanist, what would you most like to research and why?



Gingko Biloba
leaves

☐	
:	
☐	
☐	
☐	

Middle Grades



Interdisciplinary

WHAT IS A BOTANIST?

botanist *noun*

someone who studies or is an expert in
the field of botany (see *botany*)

botany *noun*

the scientific study of plants, including
their growth, structure, classification,
genetics, and uses

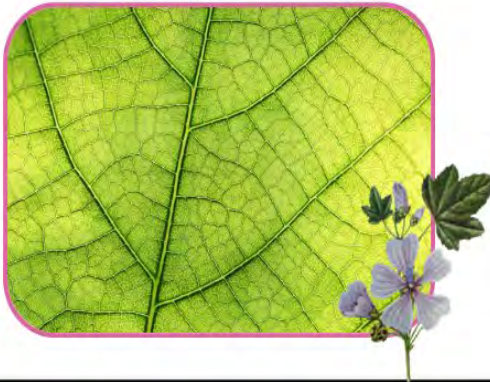


©2018 Botany

Engaging & Educational Media

WHAT IS PHOTOSYNTHESIS?

How do plants get nutrition? They make it themselves through a process called photosynthesis! Let's watch to learn how it works.



Integrates Reading

HOW TO PRESS PLANTS



Pressing flowers is easy and fun! It can usually be done with materials you already have at home.

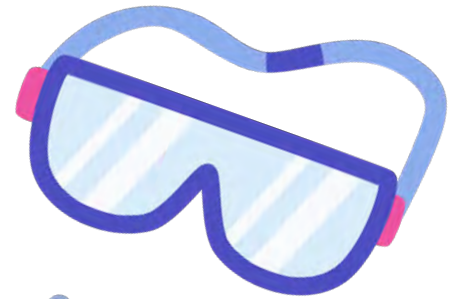
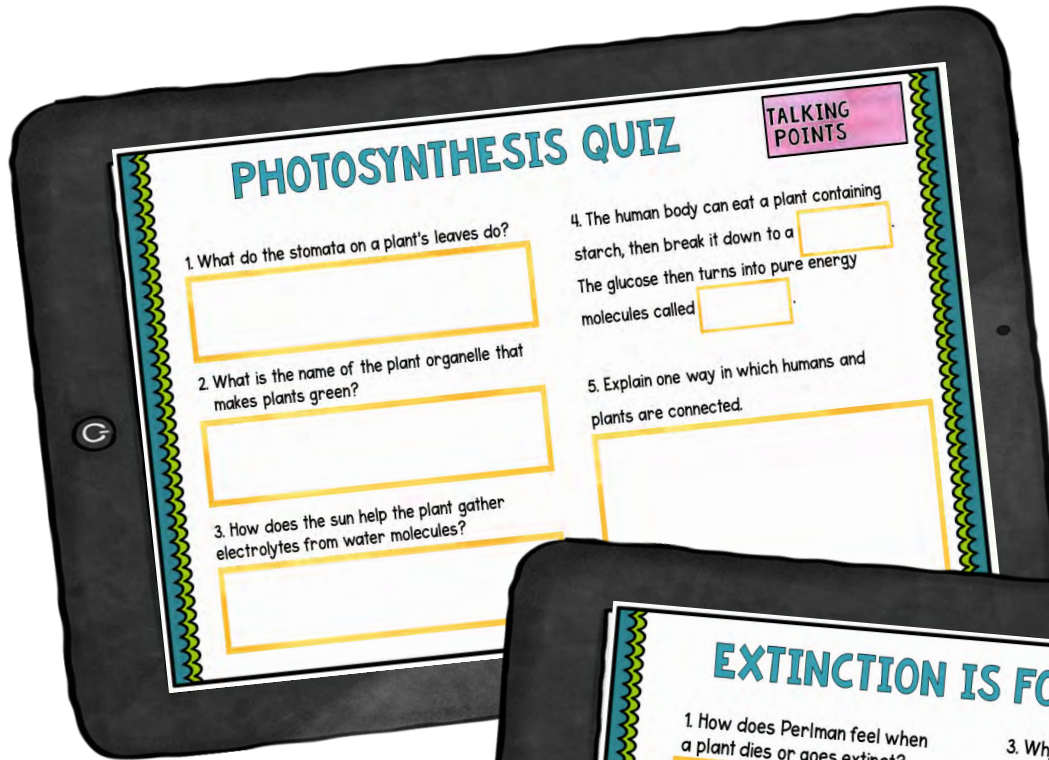
Like Adriana Hernandez discusses, it is important for botanists to press plant leaves and flowers so that they can be studied in the future.

They are stored in an herbarium.

One idea is to make a book of pressed plants that records the change of seasons where you live! Another idea is to press leaves and flowers to use as decorations and/or crafts.



Critical Thinking



Writing Exercise

WHAT WOULD YOU RESEARCH?

TALKING
POINTS

Livia Martinez researches chloroplast inheritance in the DNA of Ginkgo Biloba trees. In the future, Martinez is interested in working in agriculture to maximize food production and nutrition.

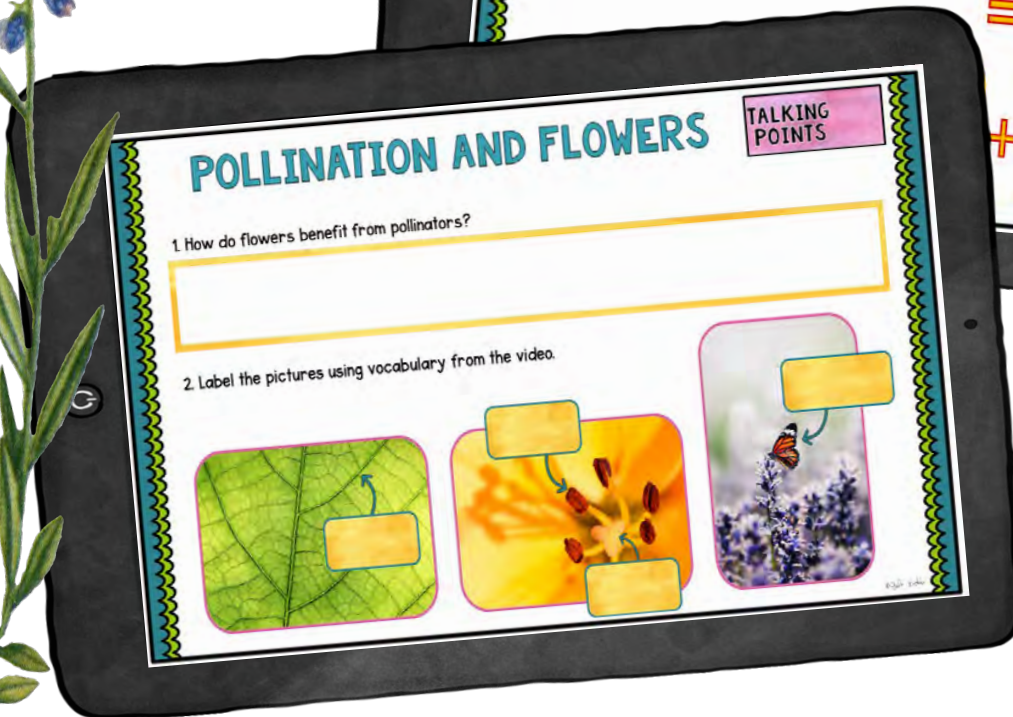
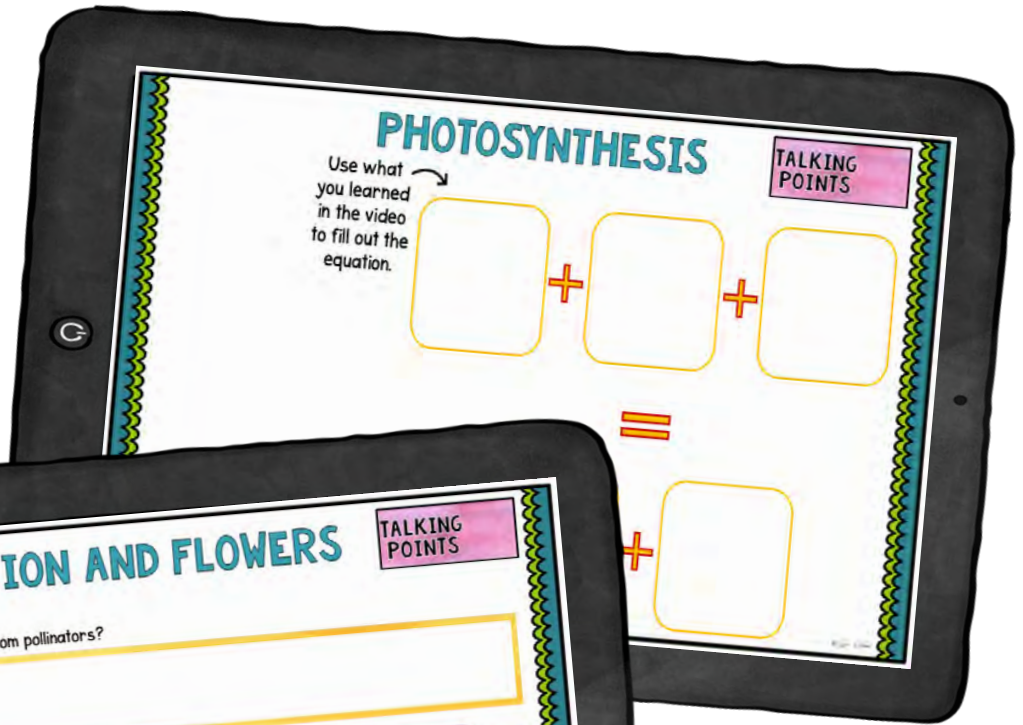
If you were a botanist, what would you most like to research and why?



Ginkgo Biloba
leaves

○	..
:	
○	:
○	..

Interactive Movable Pieces



VIRTUAL CAREER DAY: Occupational Therapist



Interdisciplinary

WHAT IS AN OCCUPATIONAL THERAPIST?

occupational therapist *noun*

health care professionals specializing in
occupational therapy

occupational therapy *noun*

a form of therapy for people with any
injury, challenge or disability that supports
independence in everyday activities



Integrates Reading



LET'S MEET AN OT!

Lani Hessen



TALKING
POINTS

Fill in the blanks using the information you learned in the video. Use the word bank below.

playing

positive

notes

active

creative

progress

Occupational therapy is a very field. Pediatric occupational therapists do a lot of with children. This is one of the easiest and most effective ways of helping kids who need occupational therapy services. After each session, occupational therapists write about their patient's activities and abilities. This helps track each patient's .

In order to be an occupational therapist, you must have a master's degree. You also need to be and have a very attitude.

Interactive Movable Pieces



Engaging & Educational Media

LET'S MEET AN OT!

Lani Hessen



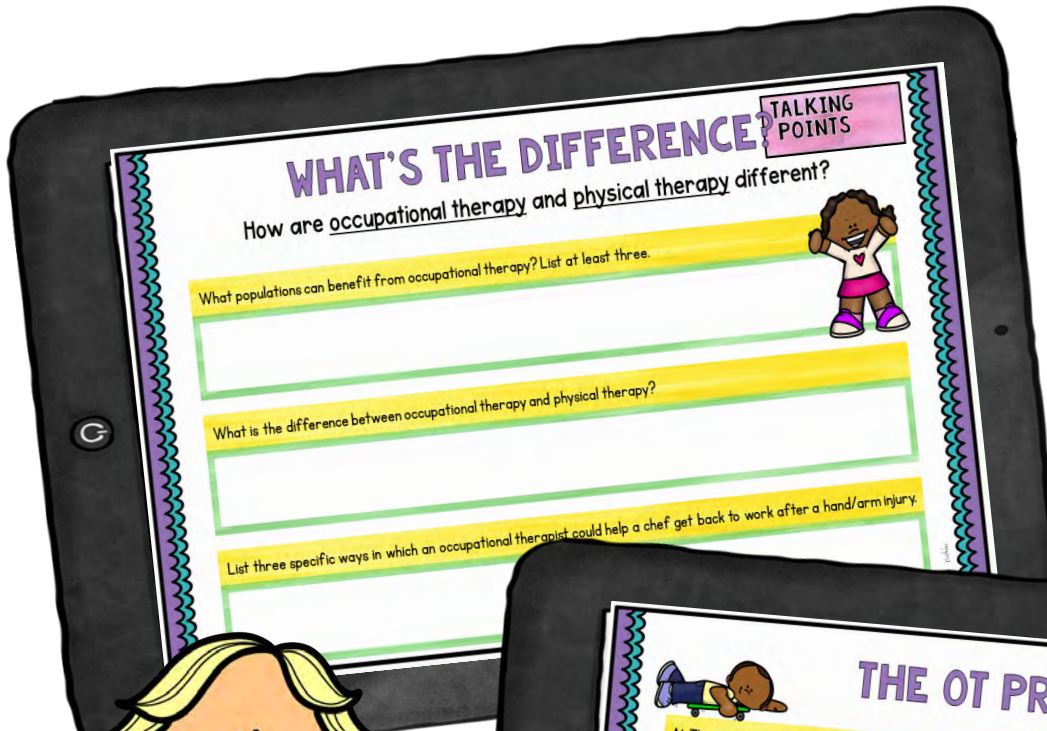
Lani Hessen is a pediatric occupational therapist. Lani works with children that need help with both fine and gross motor skills.

Watch the video to learn more about Lani's job and the process of becoming an OT.



Do you know any occupational therapists?

Critical Thinking



Writing Exercise

REFLECTION

Reflect on what you've learned about occupational therapy.

1. Describe the work of an OT. How does their work impact people's lives?
2. Is this a career you might be interested in? Why or why not?



VIRTUAL CAREER DAY:

Seismologist



TALKING POINTS

As you conclude the talking points, collect checkmarks to check off each item on the list. Use copy (ctrl+C) and paste (ctrl+V) to place them in the correct box.

1. ☐ Earthquakes 101
2. ☐ Seismologists
3. ☐ Advances in Seismology
4. ☐ Maggi Glasscoe and Being
5. ☐ Brian Baptie and Earthqu
6. ☐ Lucy Jones and Earthqu
7. ☐ Katie Keranen and Huma
8. ☐ Preparing to Be a Seism
9. ☐ Earthquake Society

Middle Grades



Integrates Reading

WHAT IS A SEISMOLOGIST?

seismologist *noun*

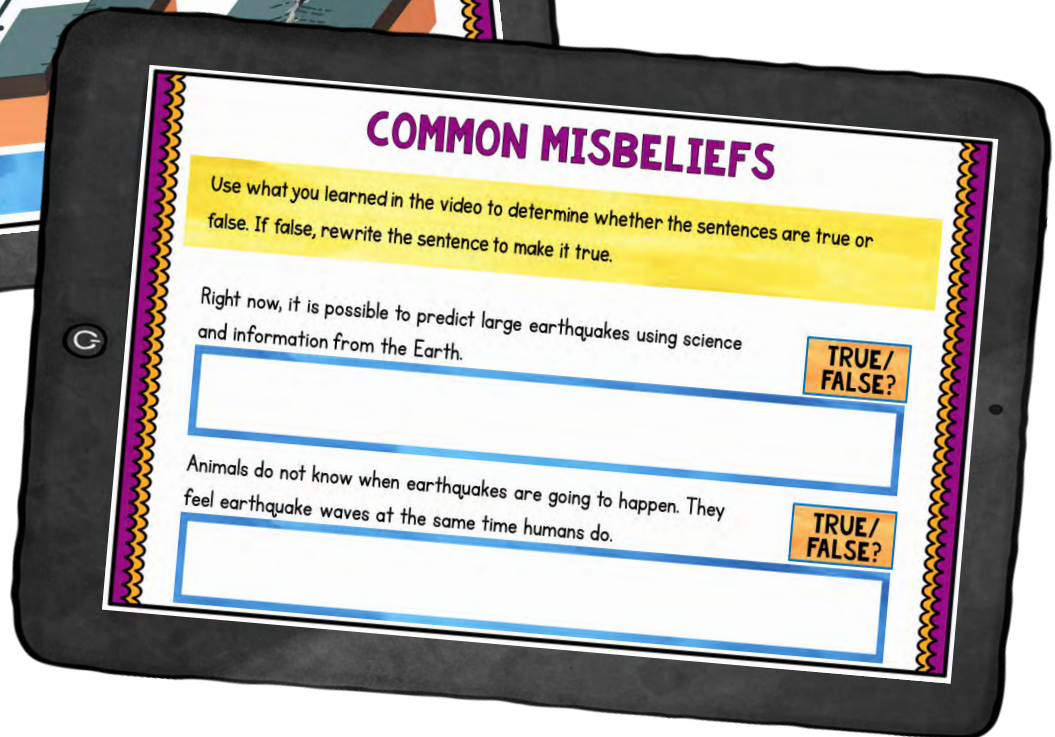
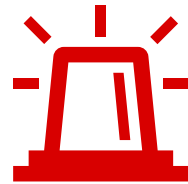
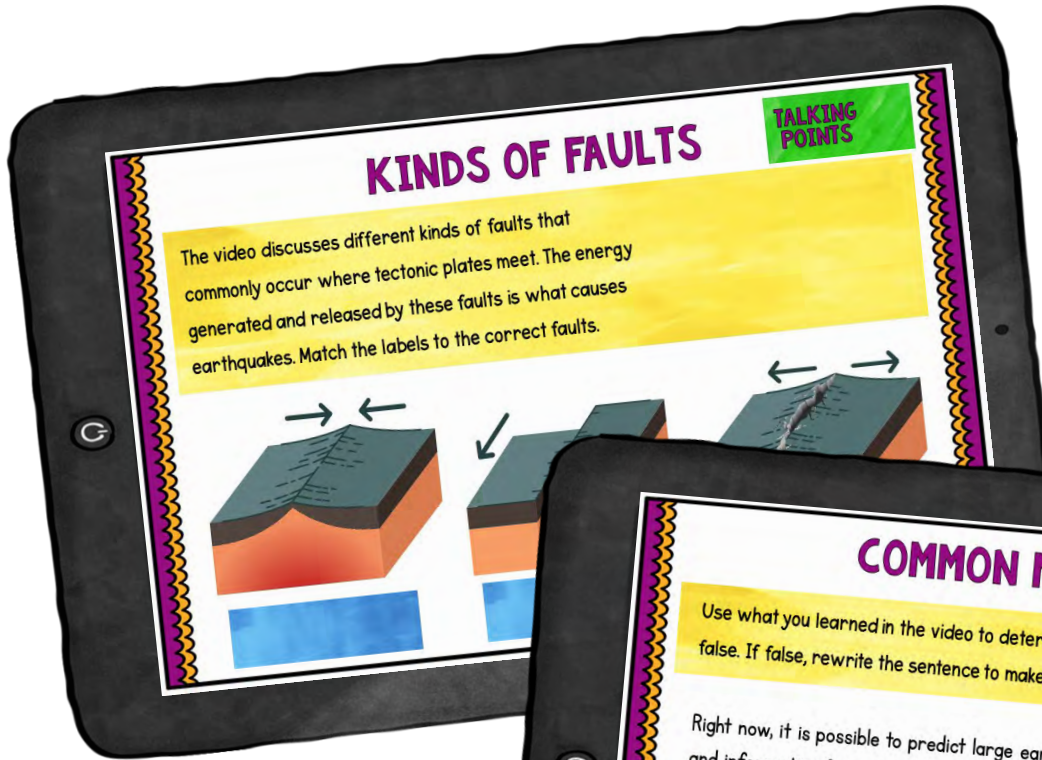
someone who studies seismology (see *seismology*) and oftentimes specializes in geophysics

seismology *noun*

the science or study of earthquakes and their phenomena, as well as artificially produced vibrations of the Earth



Interactive Movable Pieces



Engaging & Educational Media

EARTHQUAKE MONITORING

TALKING
POINTS

How does Brian Baptie's team conduct earthquake monitoring? Use information from this video (and others, if desired) to explain how and why earthquake monitoring is important.



Critical Thinking

TALKING POINTS

EARTHQUAKE QUIZ

Why do the Mid-Atlantic Ridge, the Alpide Belt, and the Circum-Pacific Belt experience most of the earthquakes in the world?

What scale do many scientists use to record earthquakes, and why?

In what ways do some communities practice earthquake safety and try to prevent disaster?

What parts of the Earth form the "lithosphere?"

In which three directions do tectonic plates move?

What did scientists discover caused the Alaska earthquake (that had never been studied before)?

What occurred as a result of the Great Alaska Earthquake?

Writing

PREPARING TO BE A SEISMOLOGIST

TALKING
POINTS

There are some classes that can be taken in middle school and high school that may help you decide if seismology is something you want to pursue. Click [here](#) to learn how some people choose to prepare for the field of seismology.

Would you like to be a seismologist, or is seismology something that you would like to learn more about? Why, or why not?

