

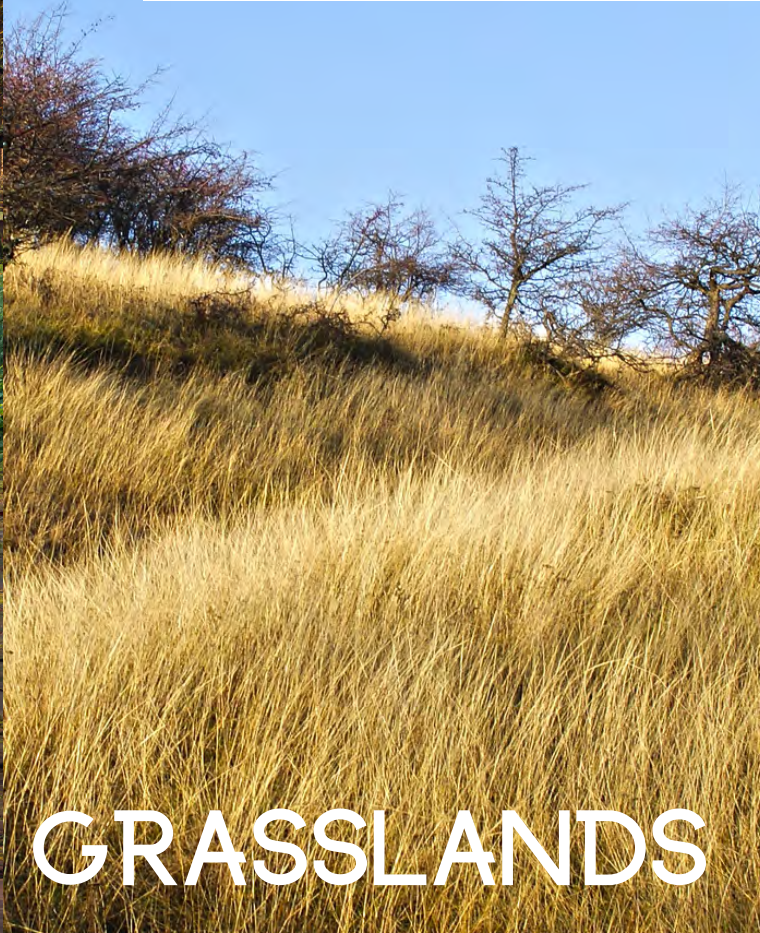
Special Ed

TERRESTRIAL BIOMES

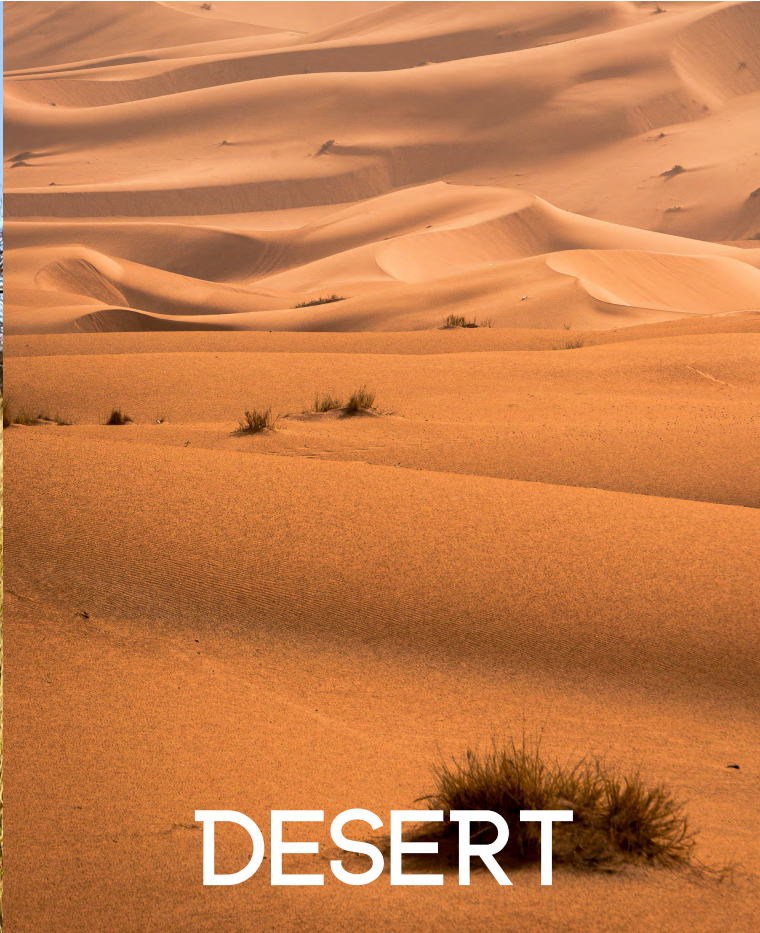
OVERVIEW



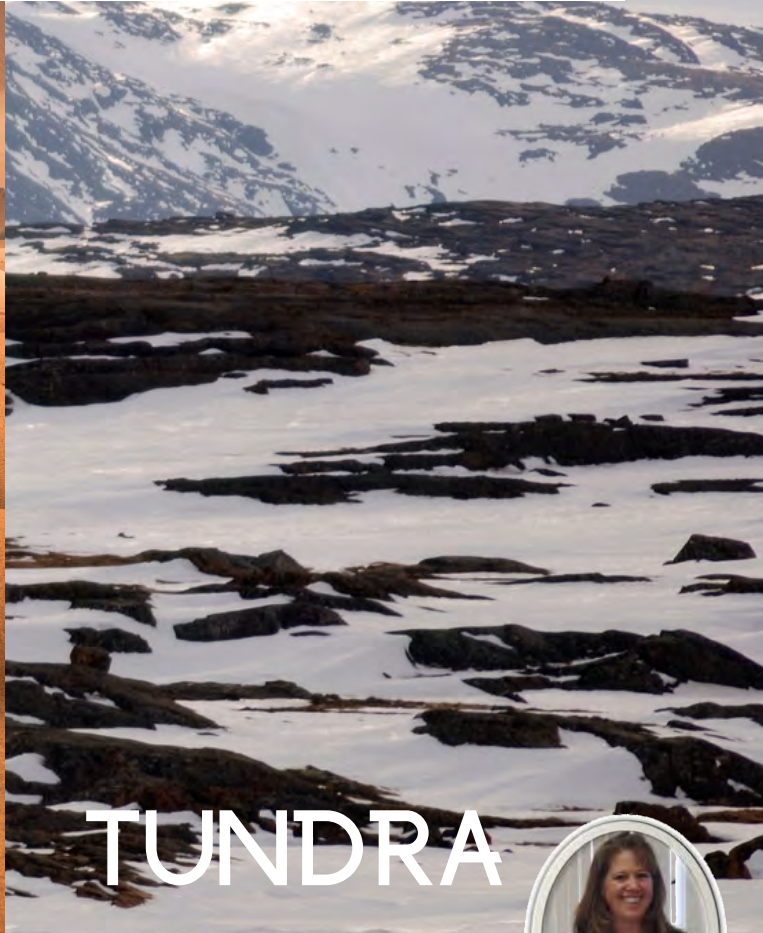
FORESTS



GRASSLANDS



DESERT



TUNDRA



ALSO INCLUDES GOOGLE SLIDES



This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, has a very short attention span, and struggles to sit still. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!

Biomes: Overview

By
Christa Joy
Special Needs for Special Kids



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- Also included in this resource as separate files:
- Lesson plans
 - Links and directions to digital activities
 - PowerPoint (**this is the book in the lesson plan**)
 - Voice recorded PowerPoint
 - Activities in black and white

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This unit contains over **200 pages** of material plus **42 google slides**. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

It comes in 2 separate files. One in color and one in black and white.

Biomes Overview

Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Vocabulary cards
 - Print out a set of cards onto cardstock and laminate
 - Make one set for each student and also one for the teacher to use in I Spy games
- Book
 - Print out, laminate, and bind
 - Also available as a recorded PowerPoint and video in the directions for digital activities pdf
- Who am I activity cards
 - Print out a set of cards onto cardstock and laminate
 - Make one set for each student and one for the teacher to use
- Bingo cards
 - This unit comes with a set of Bingo cards.
 - They are in color and BW
 - Print on cardstock and laminate.
 - Suggestions for use included in unit.

Preassessment (do day 1 before starting lesson)

- Use the fact sheet to assess what your students may already know
- I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

1. *Color Coding:* this is a really easy way to add more structure to a matching activity. Outline or color in an empty box or sorting label. Outline or color in the corresponding picture symbols the same colors. Becomes a color matching task.
 - a. For more info, read more here:
<https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/>
 - b. I also have a blog post on differentiating one activity 3 ways:
<https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-activity-3-ways-easily-and-effectively/>
2. *Make you own copies of the activities:* Every day I review the activity we did yesterday. For that reason:

The lesson plans contain:

Overall tips for teaching students with significant needs

Quick Look

Day	Activity	Day	Activity
1	<ul style="list-style-type: none">• Book• Vocabulary activity• Circle map	8	<ul style="list-style-type: none">• Book• Vocabulary cut and paste• Sudoku puzzle
2	<ul style="list-style-type: none">• Book• Vocabulary activity• Circle map	9	<ul style="list-style-type: none">• Book• Vocabulary cut and paste• Word search
3	<ul style="list-style-type: none">• Book• Vocabulary activity• Circle map	10	<ul style="list-style-type: none">• Book• Bingo• Close worksheet
4	<ul style="list-style-type: none">• Book• Vocabulary activity• Circle map	11	<ul style="list-style-type: none">• Book• Bingo• Close worksheet
5	<ul style="list-style-type: none">• Book• Vocabulary activity• Sorting activity	12	<ul style="list-style-type: none">• Book• Vocabulary activity• Close worksheet
6	<ul style="list-style-type: none">• Book• Who am I?• Sorting activity	13	<ul style="list-style-type: none">• Book• Vocabulary activity• Close worksheet
7	<ul style="list-style-type: none">• Book• Who am I?• Writing prompt	14	<ul style="list-style-type: none">• Assessment

The lesson plans contain:

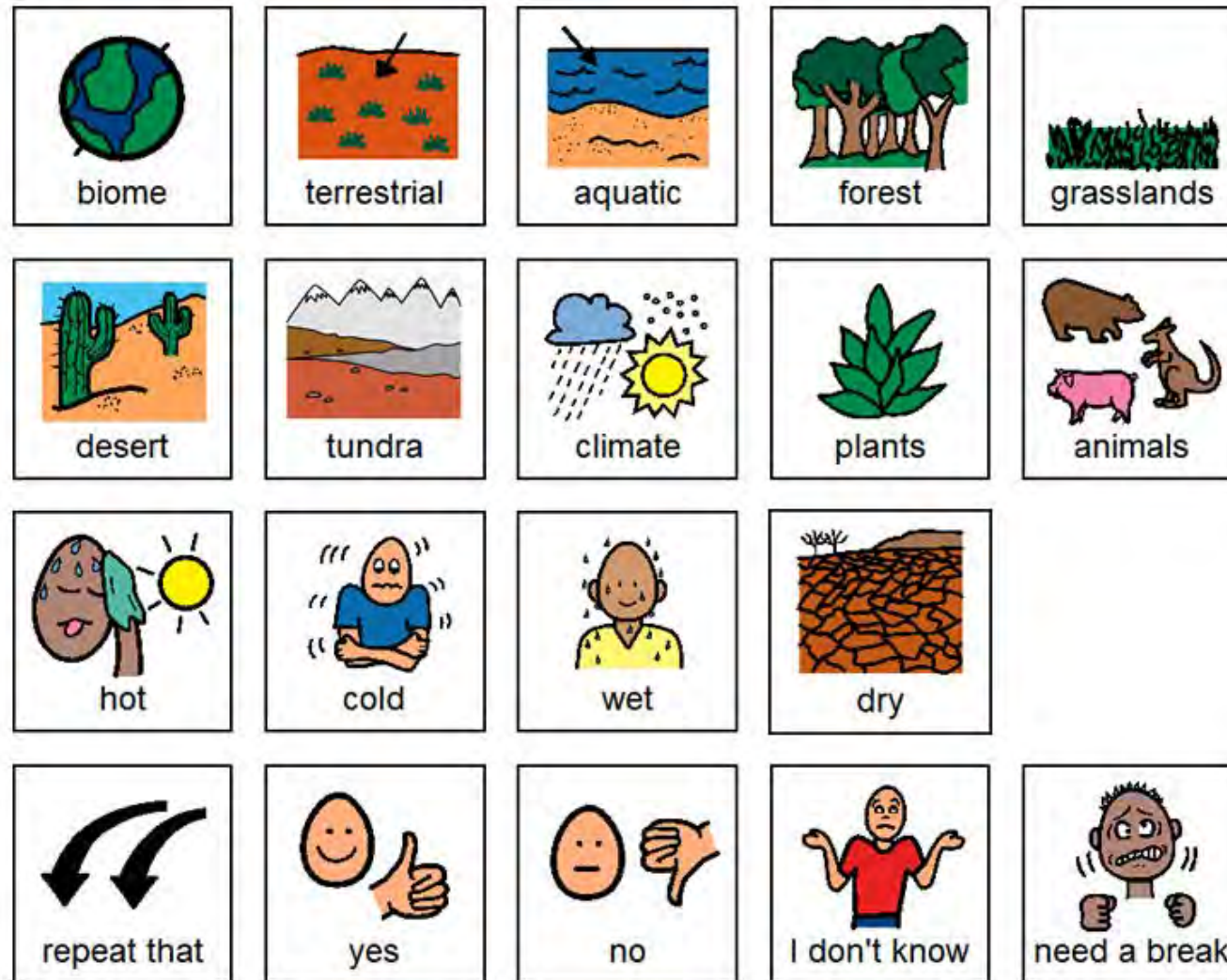
A quick look at what you will do each day

Day 12

Activity	Notes	Materials
Read or listen to the book (10 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and vocabulary board	<ul style="list-style-type: none">• Book• Vocabulary board
Vocabulary activity (10 minutes)	<ul style="list-style-type: none">• Choose from a past favorite activity<ul style="list-style-type: none">◦ I Spy◦ Scavenger Hunt◦ Speed matching◦ Bean bag toss (always my kids' favorite)◦ Who am I?◦ Bingo	<ul style="list-style-type: none">• Depends on activity chosen
Close worksheet review (5 minutes)	<ul style="list-style-type: none">• Review the worksheet done yesterday	<ul style="list-style-type: none">• Worksheet complete yesterday
Close worksheet (10 minutes)	<ul style="list-style-type: none">• Complete the close worksheet on deserts<ul style="list-style-type: none">◦ Add color-coding if needed for more support• Make connections to the book as necessary	<ul style="list-style-type: none">• worksheet• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their finished worksheet with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed map• Communication devices

The lesson plans contain:

Detailed instructions on how that day's lesson should run



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This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!

Taiga are forests found in the northern areas and have cold, dry winters and shorter summers that are cool and wet. They are found in Alaska, Canada, Scandinavia, and Siberia.



The **savannas** are found in Africa, South America, Asia and Australia. They have a warm, tropical, climate. They have a short rainy season and long dry season.



There is a 44-page book with simple text and engaging photos.

It comes in a PowerPoint version as well as a voice-recorded PowerPoint (so you don't have to print it out.)

There is also a movie version you can use in google slides.

biome

Region with similar climate, plants and animals.



aquatic biome

Water-covered region with similar climate, plants and animals. (freshwater and saltwater)



terrestrial biome

Water-covered region with similar climate, plants and animals. (forest, grasslands, desert, tundra)



forest

Region dominated by trees and woody plants.



rainforest

Tropical forest biome near the equator.



temperate forest

Forest biome with 4 seasons and lots of rain.



deciduous

Trees that lose their leaves each year.



taiga

Forest biome far north, mainly covered with snow.

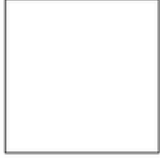


There are 20 vocabulary cards that come in color and black and white.

Included are suggestions for group activities to do with these each day.

tundra

Harshest and coldest of the region with very little vegetation or rainfall.



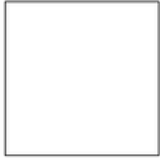
permafrost

Layer of soil just under the surface that stay permanently frozen.



arctic tundra

Tundra region around the North Pole.

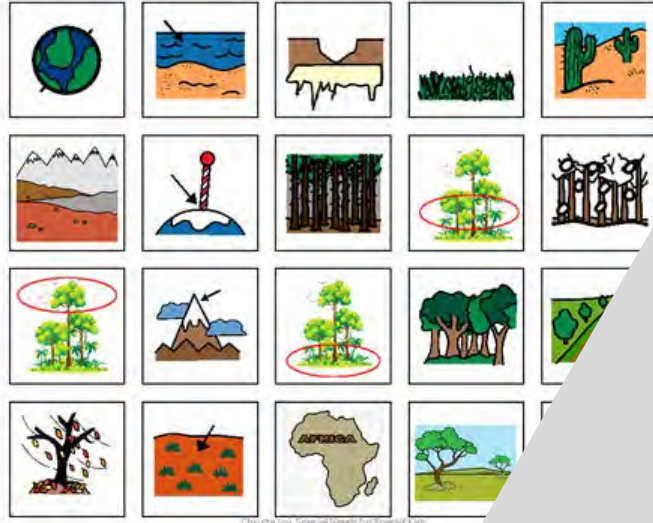


alpine tundra

Tundra region at the top of the tallest mountains.

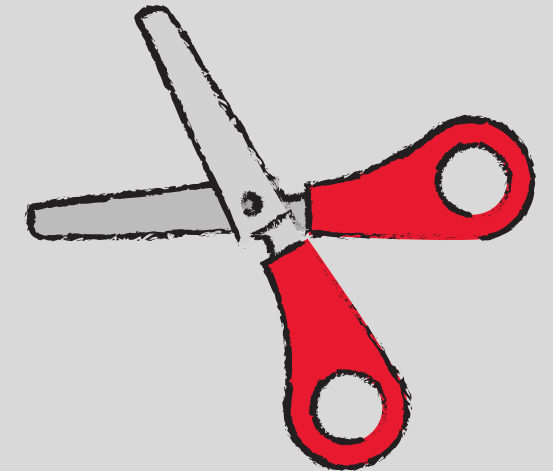


Cut apart and match pictures with definition.

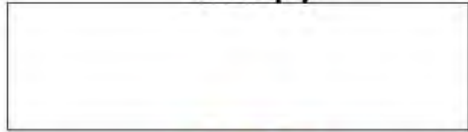


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On days 8&9 there is an activity where students will match either the picture to the definition or the definition to the picture (harder).



canopy



understory



floor



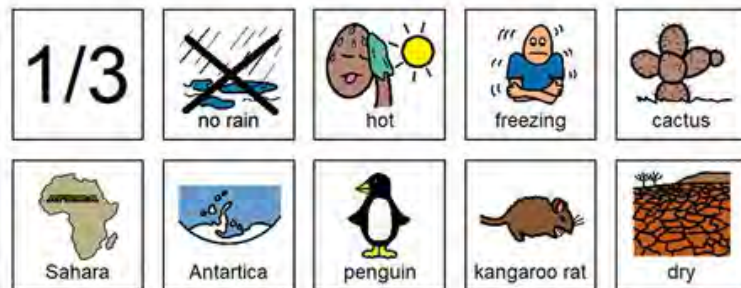
grasslands



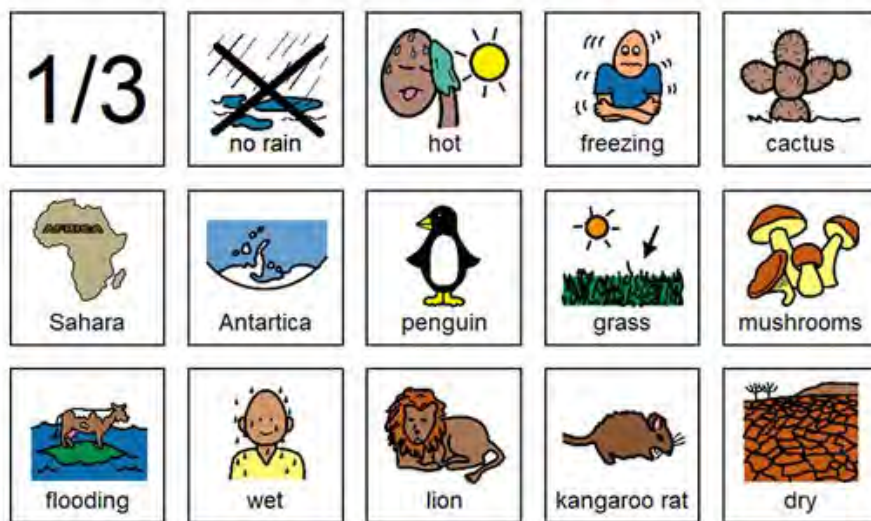
Tropical forest biome near the equator.	Grasslands t...
Very top layer of the forest.	Water-covered regi... plants and animal... saltwa...
Layer of soil just under the surface that stay permanently frozen.	Bottom of the forest co... vegetation.
Region dominated by trees and woody plants.	Region with less than 10 inches precipitation per year.
Tundra region around the North Pole.	Region dominated by large, open areas of grass, few trees and little rainfall.

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Cut apart pictures and place in circle map showing facts about deserts.



Cut apart pictures and place in circle map **ONLY IF** they relate to deserts.

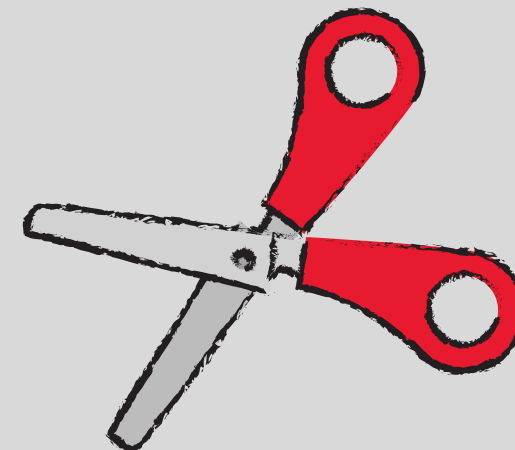


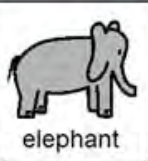
ChristaJoy, Special!
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There are 4 circle maps, one for each terrestrial biome.

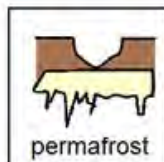
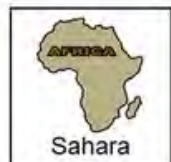
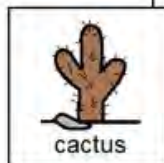
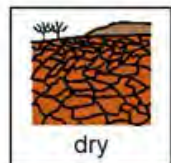
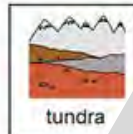
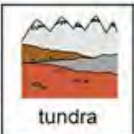
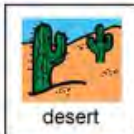
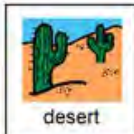
Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

- One is errorless
- One has wrong answers mixed in students will have to set aside



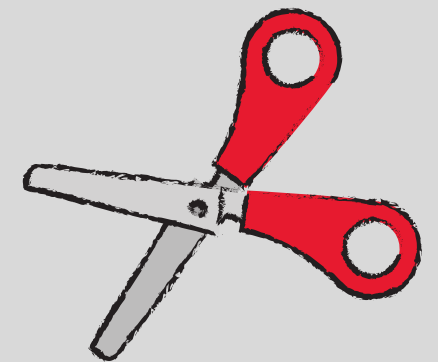


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There are 2 sorting activities comparing different biomes. There are suggestions for differentiation included.



Going on an Adventure

I decided to go on an adventure to the

I took plenty of

with me.

I traveled in a



It was very

there.



I saw lots of

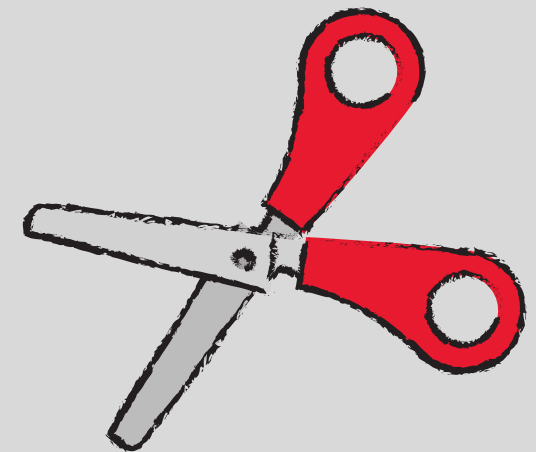
while I were there.

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 forest	 desert	 grasslands	 tundra	 rainforest
 water	 suntan lotion	 warm clothes	 snacks	
 plane	 bus	 jeep	 ship	 train
 hot	 cold	 humid	 dry	 wet
 bears	 lizards	 deer	 moose	 birds

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There is a writing prompt about going on an adventure in a biome. This is an errorless activity and gives students a chance to write their own story with support.



Who am I cards

- Give each student a set of Who am I cards
- Various options/ways to play, but the goal is to have students hold up the card you are talking about. Sometimes there can be more than one correct answer
- Things you can do:
 - Hold up a vocabulary card
 - Show a page from the book
 - Point to a symbol on the vocabulary board
 - Verbally describe something about that biome
- Tell a story as though you were visiting that biome.
 - What do you see?
 - What is the weather like?
 - What plants or animals do you see?
 - Where do you live?
 - What are you eating?

The Picture Comm
Worldwide, US



forest



grasslands



desert



tundra






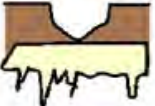










There are large cards and directions for playing a "Who am I?" group activity.

Bingo cards

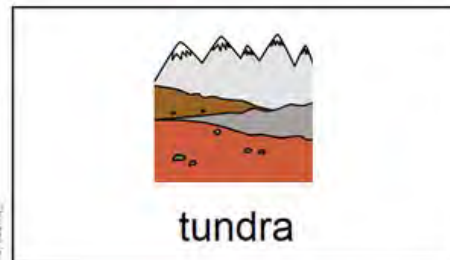


- Included are 10 Bingo cards in color and 10 Bingo cards in BW.
- Place the cards in page protectors or laminate for long term use.
- **Cut one board apart to use as calling cards.**
- This is a great way to practice the new vocabulary included in this unit.
- Cut apart a set of the vocabulary cards to use as the calling cards.
- Options:
 - Show students the picture for them to match
 - Read the definition and see if students can find the matching picture
 - Work as teams
 - Vary the "winning" patterns.
 - Cover all
 - Cover corners
 - Row across or down
 - Cover the edges
 - Vary the ways to mark the card
 - Place in page protector or laminate and use dry erase markers
 - Stickers
 - Post-it notes
 - Dot markers

Biomes

 grasslands	 savannas	 terrestrial	 alpine
 desert	 permafrost	 deciduous	 arctic
 Sahara	 forest	 biome	 unlabeled
 rainforest	 canopy	 taiga	 tundra

There are 10 color and 10 black and white Bingo cards included plus 10 different ways to use them and play Bingo. There are calling cards included. This is a great way to review vocabulary.



Biomes

grasslands	desert	taiga			
	forest				desert
desert	tundra			savannas	grasslands
taiga	grasslands	savannas		tundra	forest
		desert		grasslands	
tundra	taiga	grasslands			savannas

Place the following images in the empty squares on the previous page, completing the sudoku puzzle.

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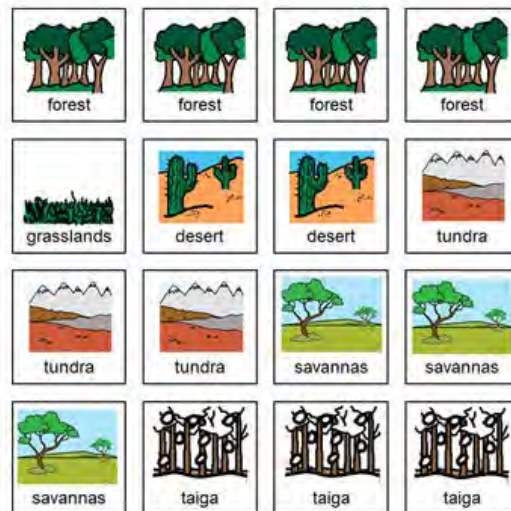
Biomes

tundra	desert	forest	
forest			
			forest
grasslands	forest	tundra	

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There is a Sudoku puzzle in this unit as well. This is a great way to work with the new vocabulary!!

There are 2 versions plus answer keys.



G R A S S L A N D S F P T D G
 A U T A Z L Q E O S W N E M M
 K S S K S A V A N N A S M T T
 L J F F J U G F D Y V B P Y U
 F Q O V K Z H G E C T D E J N
 T S R F N K V C C K A H R W D
 A T E E M P B Y I F I A A L R
 J B S E W O I H D F G T T G A
 V D T R R X O C U R A K E Z I
 C A N O P Y M P O D E S E R T
 A I C G K I E Y U P C L F C X
 P E R M A F R O S T I V N U C
 I X D T E R R E S T R I A L W
 C S W U N D E R S T O R Y R W
 E K M N S A H A R A G I N C J

desert	savannas	canopy	sahara
temperate	understory	tundra	terrestrial
deciduous	taiga	forest	permafrost
biome	grasslands		

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G R A S S L A N D S F P T D G
 A U T A Z L Q E O S W N E M M
 K S S K S A V A N N A S M T T
 L J F F J U G F D Y V B P Y U
 F Q O V K Z H G E C T D E J N
 T S R F N K V C C K A H R W D
 A T E E M P B Y I F I A A L R
 J B S E W O I H D F G T T G A
 V D T R R X O C U R A K E Z I
 C A N O P Y M P O D E S E R T
 A I C G K I E Y U P C L F C X
 P E R M A F R O S T I V N U C
 I X D T E R R E S T R I A L W
 C S W U N D E R S T O R Y R W
 E K M N S A H A R A G I N C J

desert	savannas	canopy	sahara
temperate	understory	tundra	terrestrial
deciduous	taiga	forest	permafrost
biome	grasslands		

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There is also a word search to work with vocabulary. If your students cannot do a word search, have them highlight the circle words on the answer key.

Tundra

1. The tundra gets very little or .

2. The is a layer just under the surface that stays frozen.

3. The arctic tundra is located near the .

4. The alpine tundra is located on .

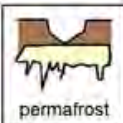
5. live in the tundra.



tall mountains



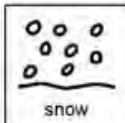
polar bears



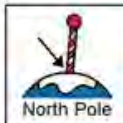
permafrost



rain



snow



North Pole

Grasslands

1. The grasslands is covered with and a few trees.

2. Grasslands are found everywhere except .

3. The have a short rainy season and long dry season.

4. Temperate grasslands are often used for .

5. You will find living in the savannas and living in temperate grasslands.



farming



Antartica



savannas



grass

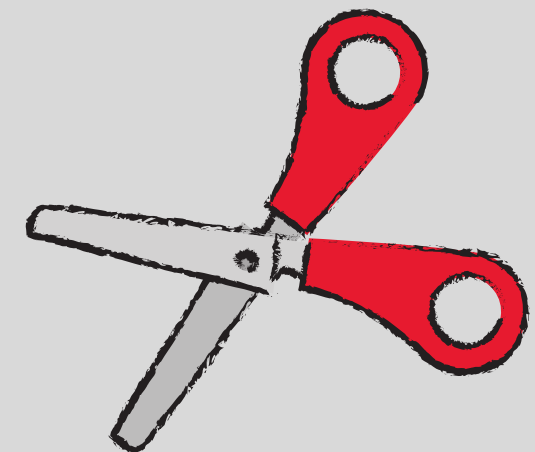


deer



lions

There is a fill-in-the-blank worksheet for each biome. These allow you to review and focus on one biome at a time.



1. Circle all the terrestrial biomes:



2. Taiga is an example of which type of biome?



3. What is the main type of plant you see in forests?



4. Where do you find the alpine tundra?



5. What are many of the temperate grasslands used for in North America?



There is a 10 question assessment.

There are 3 versions. This version has 10 questions with 3 picture choices for each question.

Answer key included.

Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 5



logging



farming



city

Q 6



desert



forest



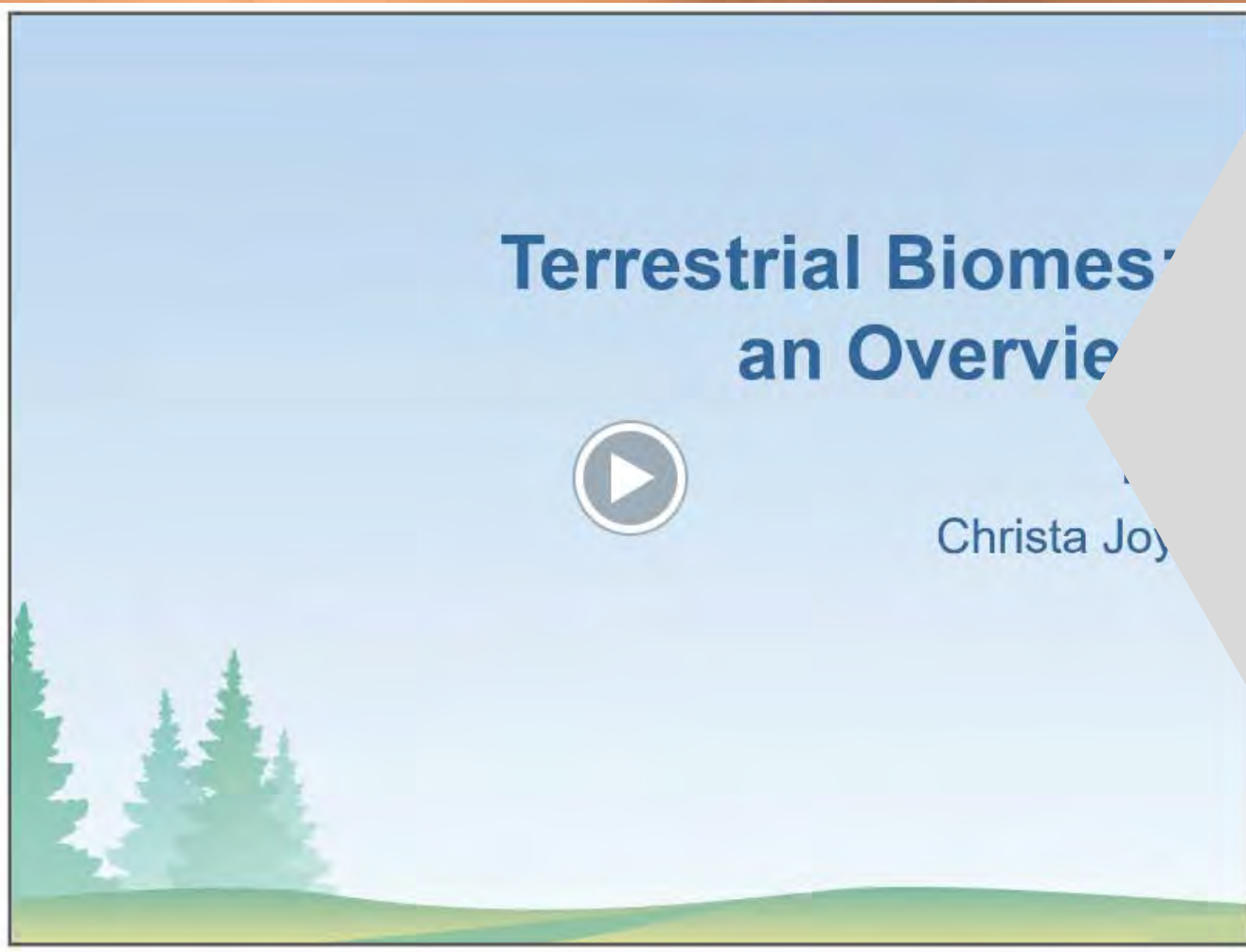
grasslands

With this version, you cut out the answer choices and glue them on index cards. Ask the student the question, and they point to the correct answer.

1. Circle all the terrestrial biomes:
 - A. Ocean
 - B. Desert
 - C. Grasslands
 - D. Pond
 - E. Forest
 - F. Tundra
2. Taiga is an example of which type of biome?
 - A. Tundra
 - B. Forest
 - C. Desert
3. What is the main type of plant you see in forests?
 - A. Cactus
 - B. Short plants
 - C. Trees
4. Where do you find the alpine tundra?
 - A. Mountains
 - B. Antarctica
 - C. North Pole
5. What are many of the temperate grasslands used for in North America?
 - A. Logging
 - B. Farming
 - C. City
6. The Sahara is an example of which type of biome?
 - A. Desert
 - B. Forest
 - C. Grasslands

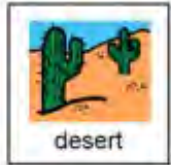
This is your traditional multiple choice version. It can also be used as a recording sheet if your students are using the version with index cards.

Listen to
the book
read aloud

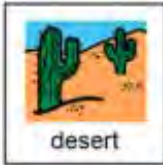


This unit also includes digital versions of the activities.

Students can watch a movie book version of the book rather than printing it out.



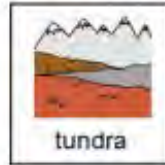
desert



desert



tundra



tundra

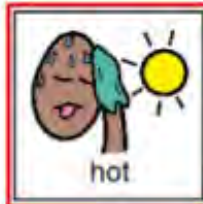
Place in the column that describes that biome. If it describes both, place it in the middle. If you are not sure, leave it on this side.



permafrost



no rain



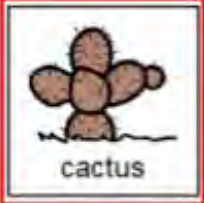
hot



freezing



short plants



cactus



Sahara



windy



kangaroo rat



dry



polar bear




penguin


Each activity is set up so students can click and drag answers. No typing is required.



Forests

1. Forests are dominated by  and other woody plants.

2.  are located near the equator and get lots of rain.

3. Temperate forests experience all 4 .

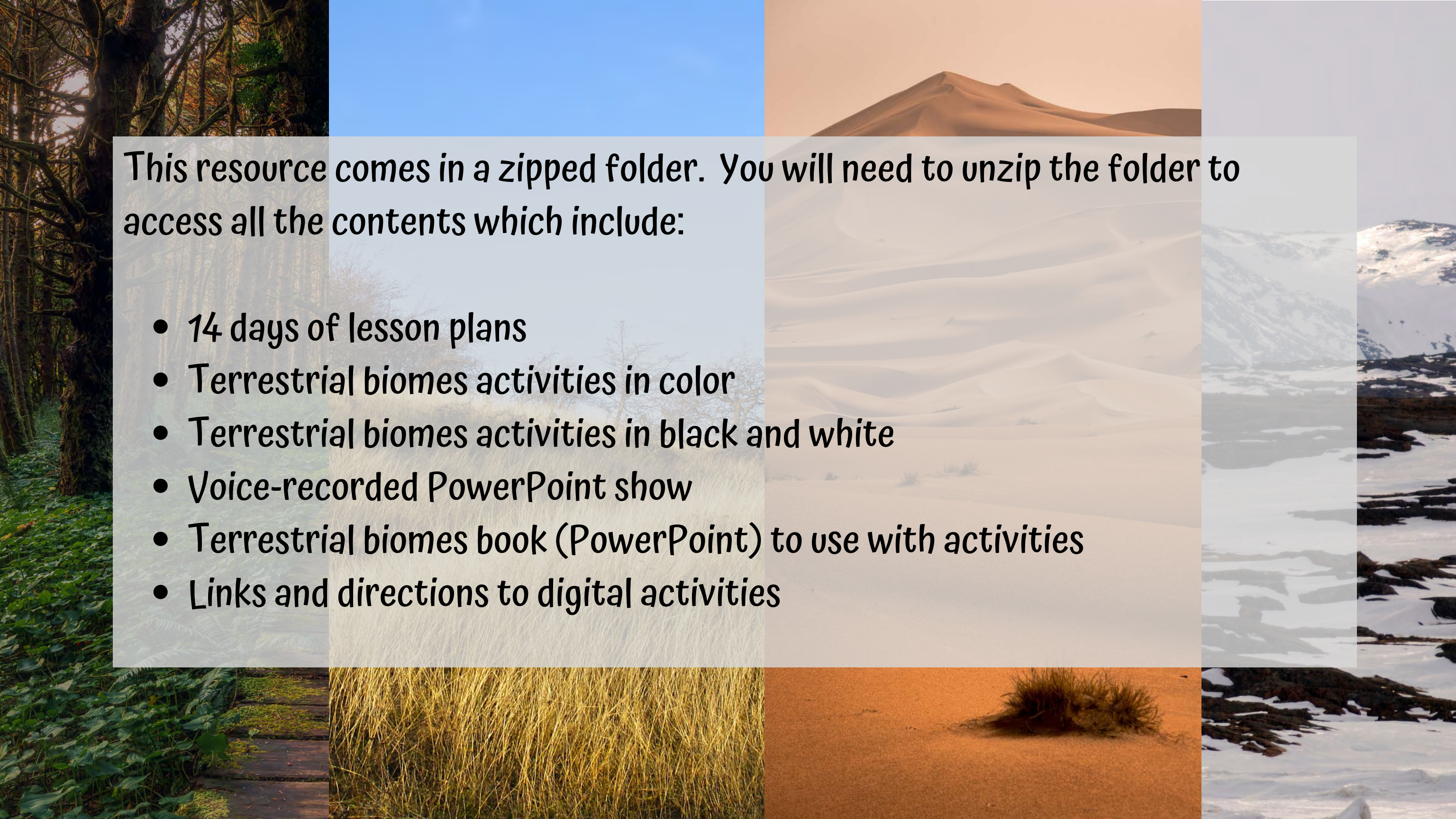
4. Taiga are found in areas that are .

5. You will find  living in rainforests and  living in temperate forests.

Choose the best picture to finish each sentence.



The second set of slides uses color for differentiation and extra support for students who may need it. Mix and match slides from both sets to make the perfect set for each student.



This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- **14 days of lesson plans**
- **Terrestrial biomes activities in color**
- **Terrestrial biomes activities in black and white**
- **Voice-recorded PowerPoint show**
- **Terrestrial biomes book (PowerPoint) to use with activities**
- **Links and directions to digital activities**