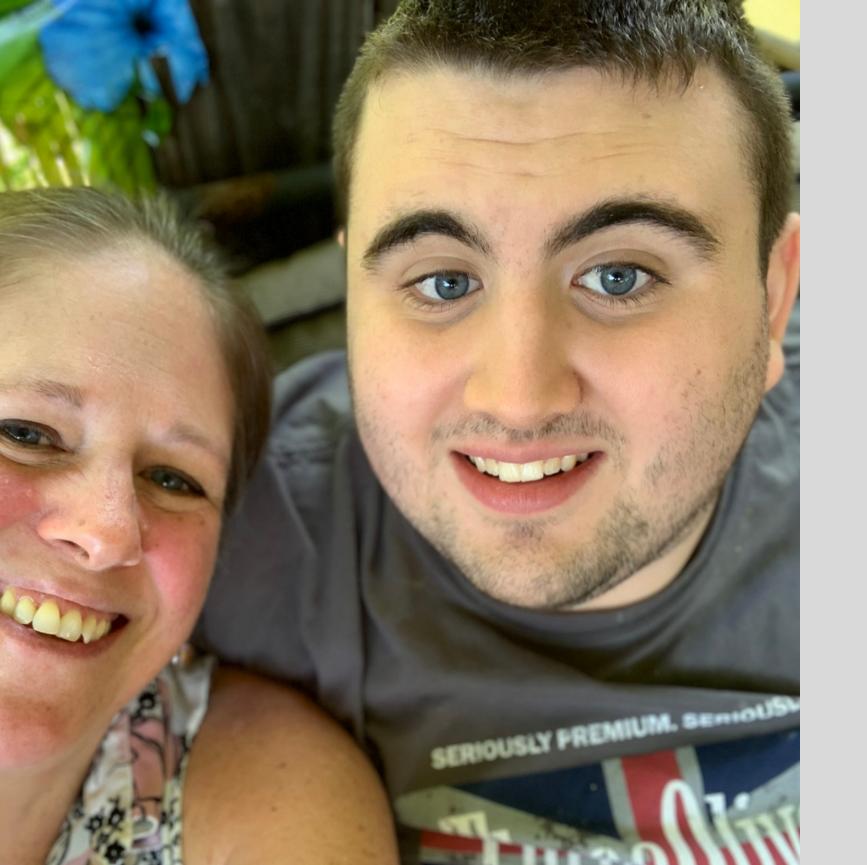
ECOSYSTEMS BIOMES & FOOD CHAINS

ALSO INCLUDES GOOGLE SLIDES

special

Special Needs for Special Kids



For students who:

- pictures for support

- are emerging or non-readers • take alternate assessments • are in special education • short-attention span • lack pre-requisite skills • benefit from the use of • middle/high school

Color version

Ecology Unit

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
- PowerPoints (these are the books in the lesson plans)
- Voice recorded PowerPoint
- Activities in black and white

Christa Joy, Special Needs for Special Kids The Picture Communication Symbols ©1981–2018 by Tobii Dynavox. All Rights Reserved Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox This unit contains almost 200 pages of material plus 70 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. This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

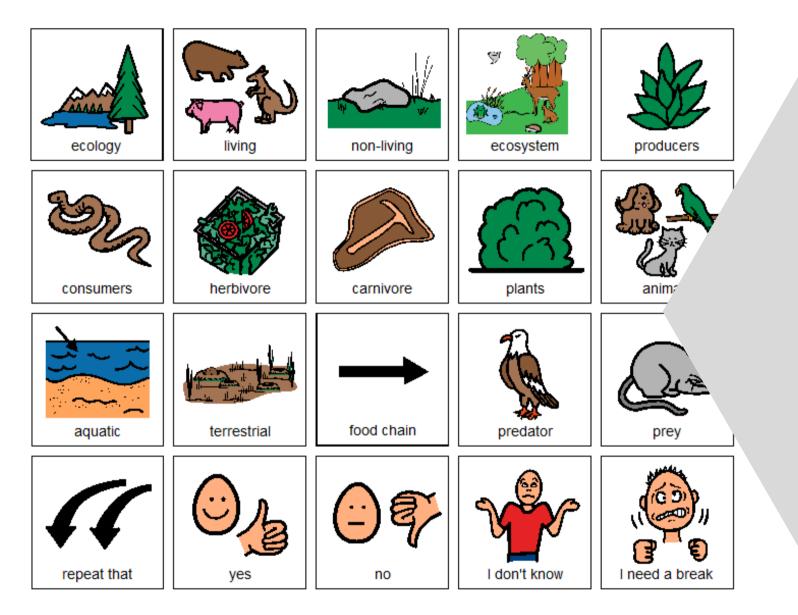
- 17 days of lesson plans
- Ecology activities in color
- Ecology activities in black and white
- Voice-recorded PowerPoint show
- Ecology book (PowerPoint) to use with activities
- Biomes and Food Chains book (PowerPoint) to use with activities
- Links and directions to digital activities

Day 2

Activity	Notes	Materials
Read or listen to a recording of the Ecology book (10 minutes)	 Read through the story, asking lots of questions Therefore, it usually takes me a little longer to read each day. I can ask more questions as they get more familiar with the material. You don't want to ask so many questions you lose the flow of the story, but enough to make sure your students are truly engaged Continue to make connections between book and vocabulary board 	 book Vocabulary board
Vocabulary cards <mark>I Spy</mark> <mark>Game</mark> (10 minutes)	 I play this game, or variations of it the first few days Determine how many cards your students can handle in front of them. This can vary, some students may be able to have all the cards, so may only be able to handle a field of 3-5 Since this is the first time playing this game, I make it easy. Hold up a card, and have students find the matching one and hold it up Discuss relevant points on the card You can also play this game in this manner having them find the symbol on their vocabulary board 	 Vocabulary cards (student set and teacher set) Vocabulary board
Circle map review (5 minutes)	Review the worksheet completed yesterday	 Worksheet completed yesterday
Labeling Activity (10 minutes)	 Choose the best version depending on the learning level of your students (see worksheet directions for more details) Add color coding if needed Students complete the worksheet Make connections to the book as necessary 	 Worksheet Scissors Glue
Sharing (10 minutes)	 Each student shares their finished worksheet with the group using the communication method of their choice 	 Completed worksheets Communication devices

Lesson plan

- overview
- This unit has a detailed lesson plan with: • suggestions • daily step-by-step
 - guide



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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!!

Ecology and the idea that all things live in a balance within the world around them, has been studied for a very long time.





Within each biome, there are specific ecosystems. Within these ecosystems, plants and animals learn to survive by finding different ways to find food and energy.

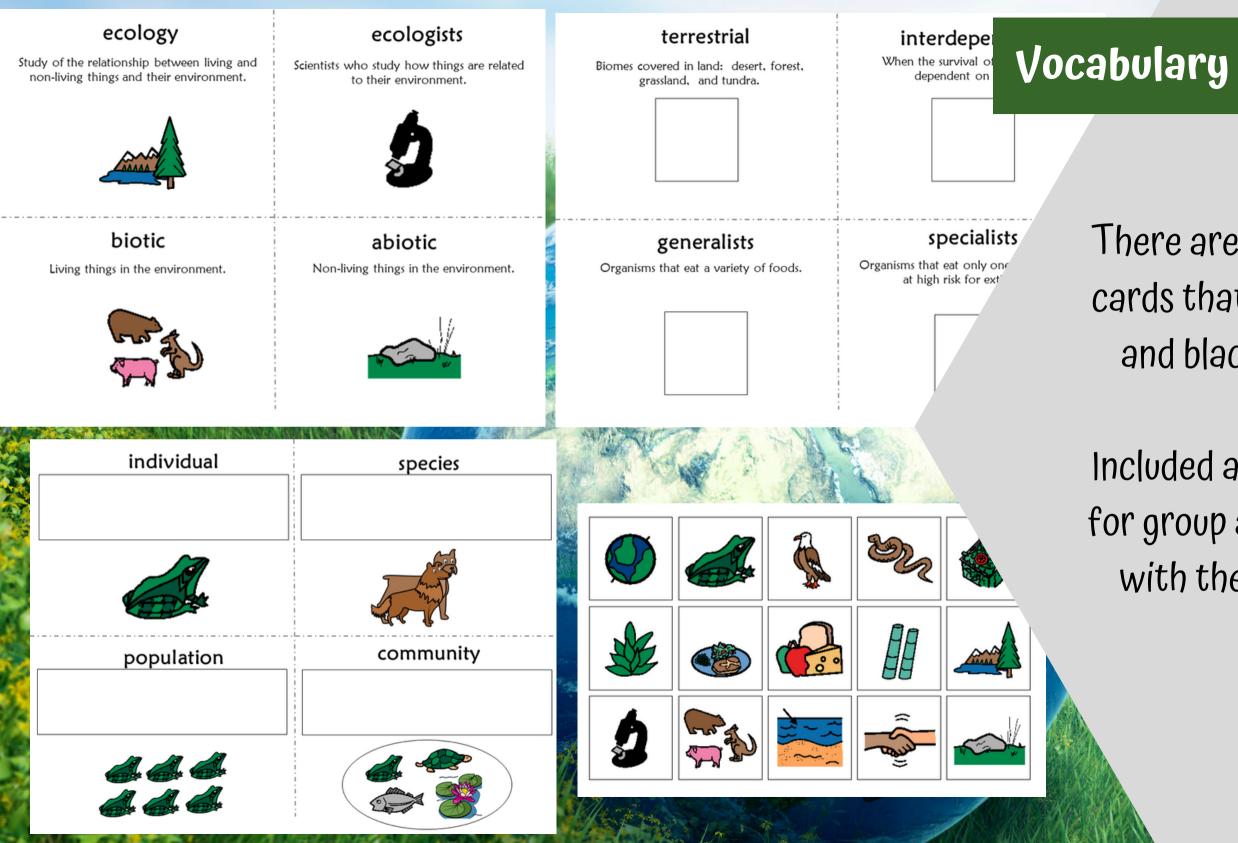




There are 2 books (one on Ecology and one on Biomes and Food Chains) with simple text and engaging photos.

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.

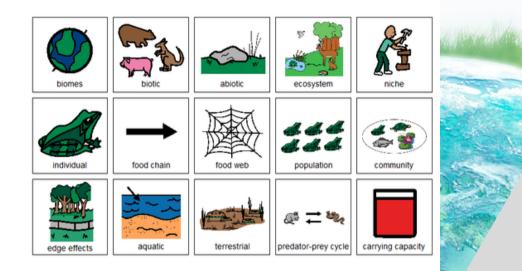
Christa Joy, SNS



There are 30 vocabulary cards that come in color and black and white.

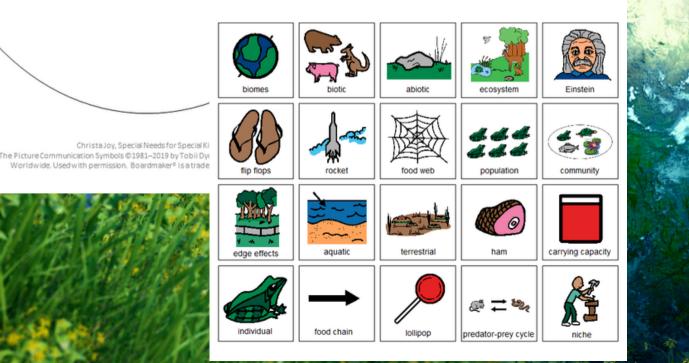
Included are suggestions for group activities to do with these each day. Errorless versio

Cut apart pictures and place in circle map about ecology.





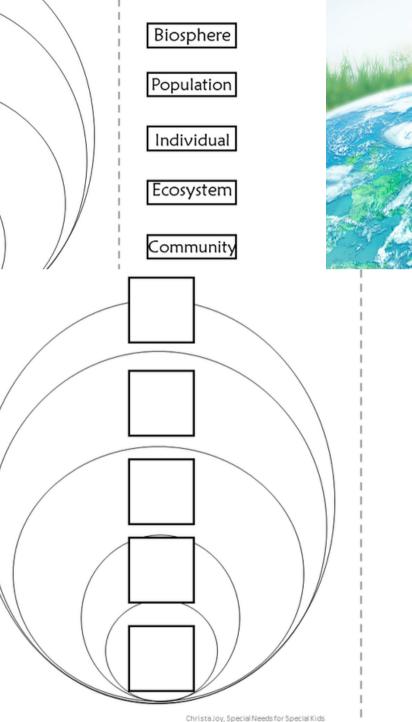
Cut apart pictures and place in circle map ONLY IF they relate to ecology.



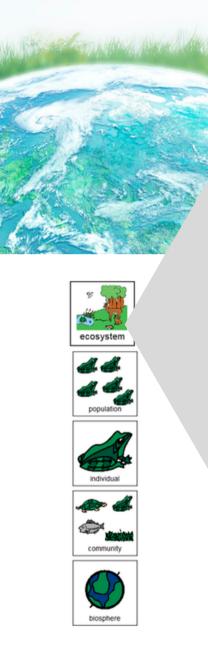
There are 3 circle maps, one on ecology, one on food chains, and one on changes in the environment.

- 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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has pictures for more key included.

There is a labeling activity. It comes in 2 versions, one that support. Suggestions for differentiation and answer

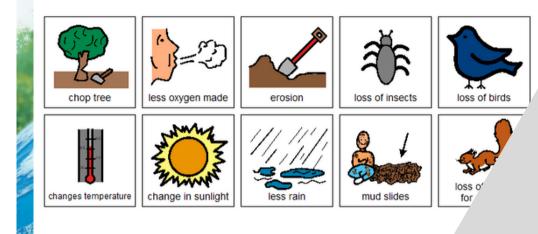
errorless

How did it change?

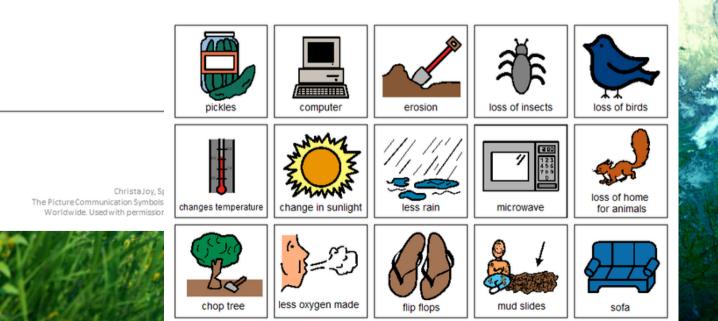




Place the following images on the previous page to show how people changed the forest.



Place the following images on the previous page ONLY IF they show how people changed the forest.

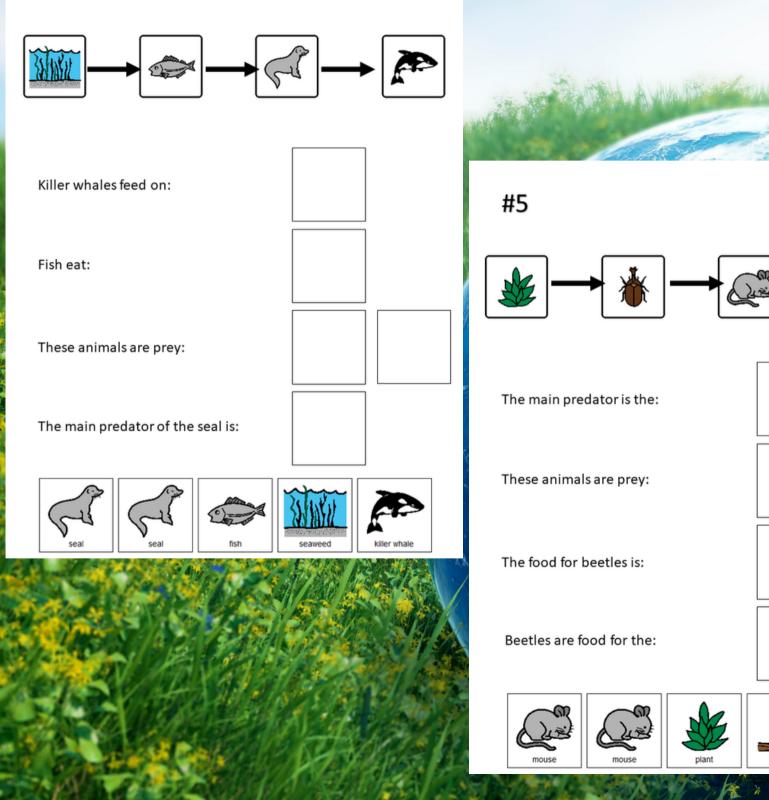


mixed in.

- There are 3 activities where
- students look at 2 pictures
- and note how things have
- changed. It comes with an
- errorless version and a
- version with wrong answers

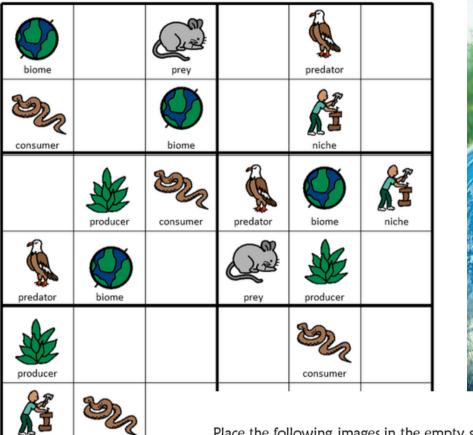


There are 3 sorting activities that review facts from both books. They come with photos (color activities) and picture symbols. Suggestions for differentiation and answer key



There are 5 food chains for students to look at and answer questions about. Suggestions for differentiation and answer key included.

Ecology



niche consumer

> Christal The Picture Communication Sym Worldwide. Used with permi





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

Que producer consumer producer producer consumer prey Que Q predator Que C. predator predator prey prey prey A X H niche niche biome biome



terrestrial	population	herbivore	
ecosystem	predator	omnivore	
consumer	species	producer	
ecology	niche	biotic	
prey			

practice the new vocabulary.



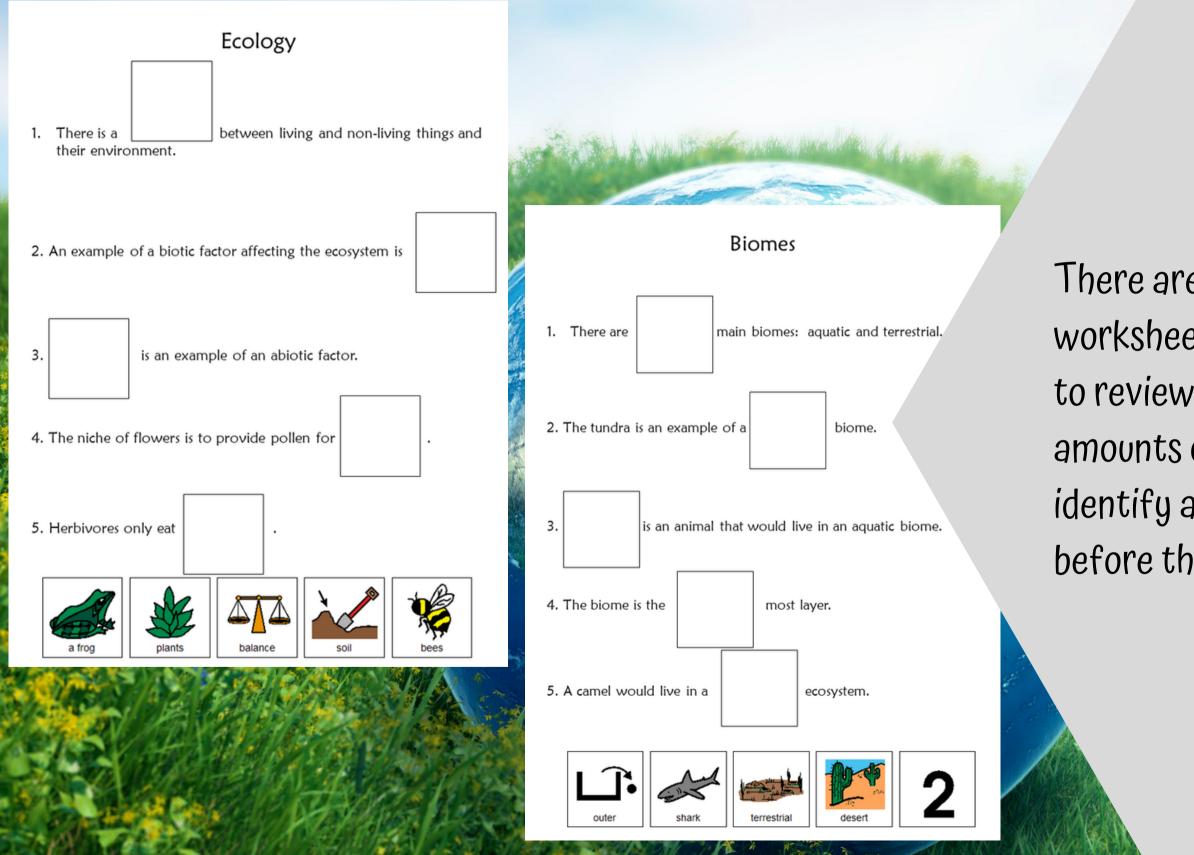
comm⁷ carn

aø

bio.

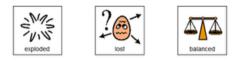
Ecology

There are Sudoku puzzles and a word search to

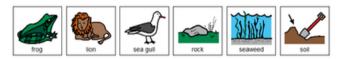


There are 4 fill-in-the-blank worksheets. These allow you to review and focus on smaller amounts of material and identify areas to review before the assessment.

1. Ecology is the study of how living things, non-living things, and the environment are:



2. Circle all those things that are biotic:



3. Producers use this for energy:





4. Carnivores eat:



5. This is the natural cycle between predato keeps things in balance:

> predator-prey food chain cycle pop

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	logy is the study of how living things, non-living things, I the environment are:
Α.	exploded
Β.	lost
C.	balanced

- 2. Circle all those things that are biotic:
 - D. rock A. frog Β.
 - lion E. seaweed
 - C. sea gull E soil
- Producers use this for energy:
 - A. prev

1.

- B. sun
- C. meat
- 4. Carnivores eat:
 - A. meat
 - Β. bamboo
 - c. grass
- 5. This is the natural cycle between predators and prey that keeps things in balance:
- A. food chain
- B. predator-prey cycle
- C. population
- 6. Circle all the things that can cause major changes in an ecosystem.
 - A. excavator D. earthquake
 - B. lion E. people
 - C. cyclone F. worm

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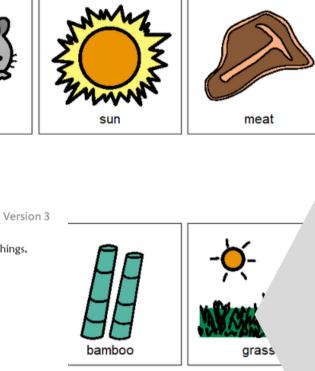
Version 2

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



Q 4

predator



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Finally, each unit has an assessment that is available in 3 versions. These are given 1:1 and read aloud to the student. It also includes a traditional multiple-choice version included.

• This unit includes digital versions of the activities. These simply require the student to click and drag the answers. There is no drawing or typing involved.

• There are 2 complete sets of slides. One set is differentiated using color.

Make great independent learning centers.

But what about the rest of the pond? What about the field where the pond is found? What about all those plants and animals that live around the field?

Watch the movie on Ecology



Watch the movie on Biomes and **Food Chains** Within each ecosystem, plants and animals are busy looking for food. This is the most important job they have.

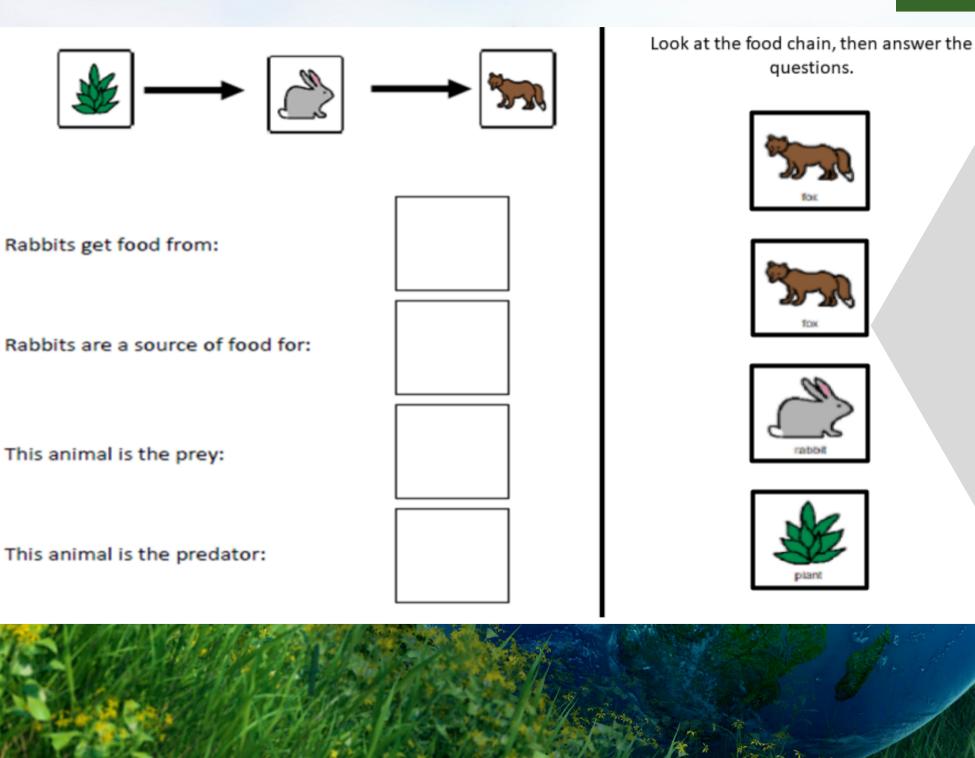


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versions of the activities. than printing it out.

- This unit also includes digital
- Students can watch a movie book version of the book rather

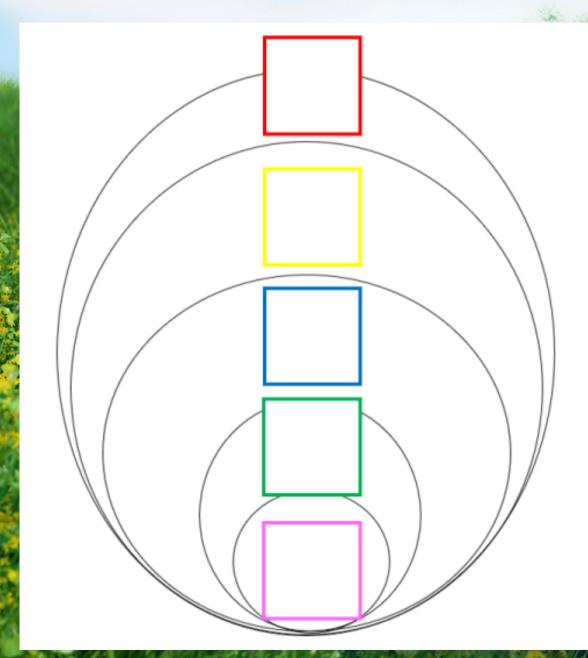
Use for more review.





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

Perfect for any learning level.



Label the layers.









uses color for

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- The second set of slides
- 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.