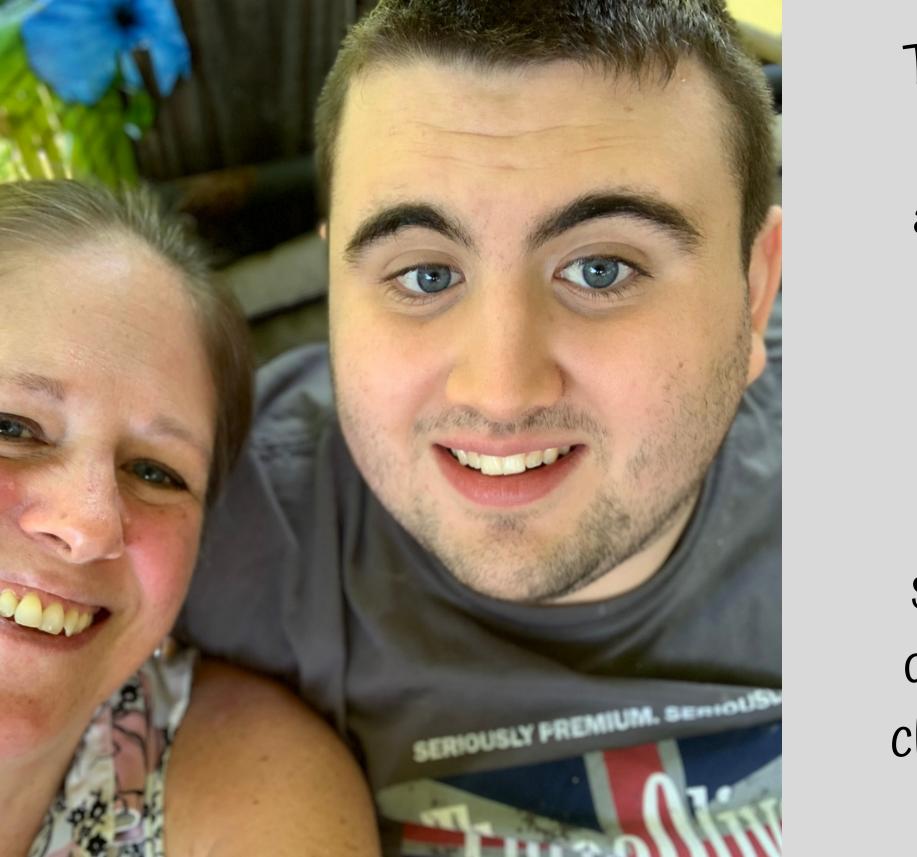
ECOLOGY BIOMES & FOOD CHAINS

ALSO INCLUDES GOOGLE SLIDES

special

Special Needs for Special Kids



This unit was created with this guy in mind. He has autism and an intellectual disability. He is a nonreader, 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!!

Ecology Unit

Color versio

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.

Ecology Lesson Plan

Preparation

- · Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Book
 - o Print out, laminate, and bind
 - o OR your students can listen to the pre-recorded version
- Vocabulary cards
 - o 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

Preassessment (do day 1 before starting lesson)

- Choose the form of the assessment that best fits the learning level of your students
- · Give the assessment 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

- 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: <u>https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/</u>
 - b. I also have a blog post on differentiating one activity 3 ways: <u>https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-activity-3-ways-easily-and-effectively/</u>
- Make you own copies of the activities: Every day I review the activity we did yesterday. For that reason:
 - a. I often complete the activity myself and often laminated it for easy review that I could use year after year.
 - b. My copies were also helpful as either a model for students who needed more support or as a way for more advanced students to self-check their work.



The lesson plans contain:

Overall tips for teaching students with significant

Quick Look

Day	Activity	Day	Activity	Day	Activity
1	 Ecology Book Vocab cards activity Circle map 	8	 Ecology Book Vocab cards activity Sorting activity 	15	 Biomes Book Vocab cut and paste Close worksheet
2	 Ecology Book Vocab cards activity Labeling Activity 	9	 Biomes Book Vocab cards activity Circle map 	16	 Biomes Book Vocab cut and paste Close worksheet
3	 Ecology Book Vocab cards activity Circle map 	10	 Biomes Book Vocab cards activity Sorting activity 	17	 Assessment Vocabulary puzzle
4	 Ecology Book Vocab cards activity How did it change activity 	11	 Biomes Book Vocab cards activity Reading food chains 		
5	 Ecology Book Vocab cards activity How did it change activity 	12	 Biomes Book Vocab cards activity Reding food chains 		
6	 Ecology Book Vocab cards activity How did it change activity 	13	 Ecology Book Vocab cut and paste Close worksheet 		
7	 Ecology book Vocab cards activity Sorting activity 	14	 Ecology book Vocab cut and paste Close worksheet 		

A quick look at what you will do each day

The lesson plans contain:

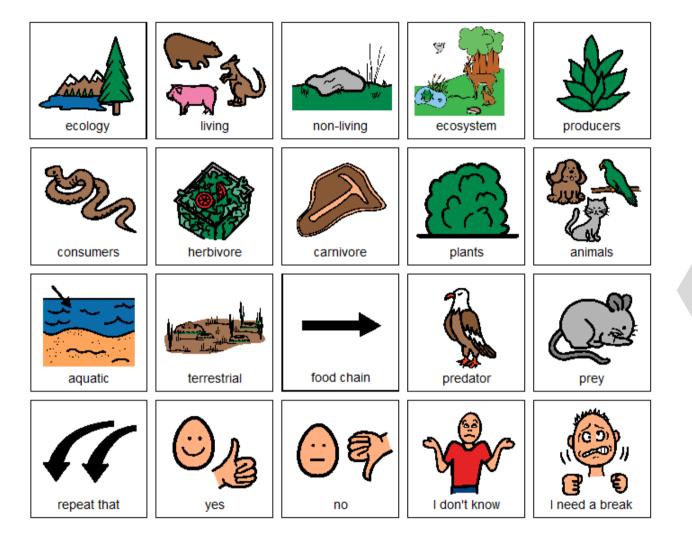
Day 2

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> Game (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) Labeling Activity (10 minutes)	 Review the worksheet completed yesterday 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 	 Worksheet completed yesterday Worksheet Scissors Glue
Sharing (10 minutes)	 Make connections to the book as necessary Each student shares their finished worksheet with the group using the communication method of their choice 	 Completed worksheets Communication devices

how that day's lesson should run

The lesson plans contain:

Detailed instructions on



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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, SNSH

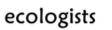
ecology

Study of the relationship between living and non-living things and their environment.



biotic Living things in the environment.





Scientists who study how things are related to their environment.



abiotic Non-living things in the environment.



prey Animal that is often the food source for others.



CONSUMERS Get energy from eating others.





producers Use the sun to make energy; plants.

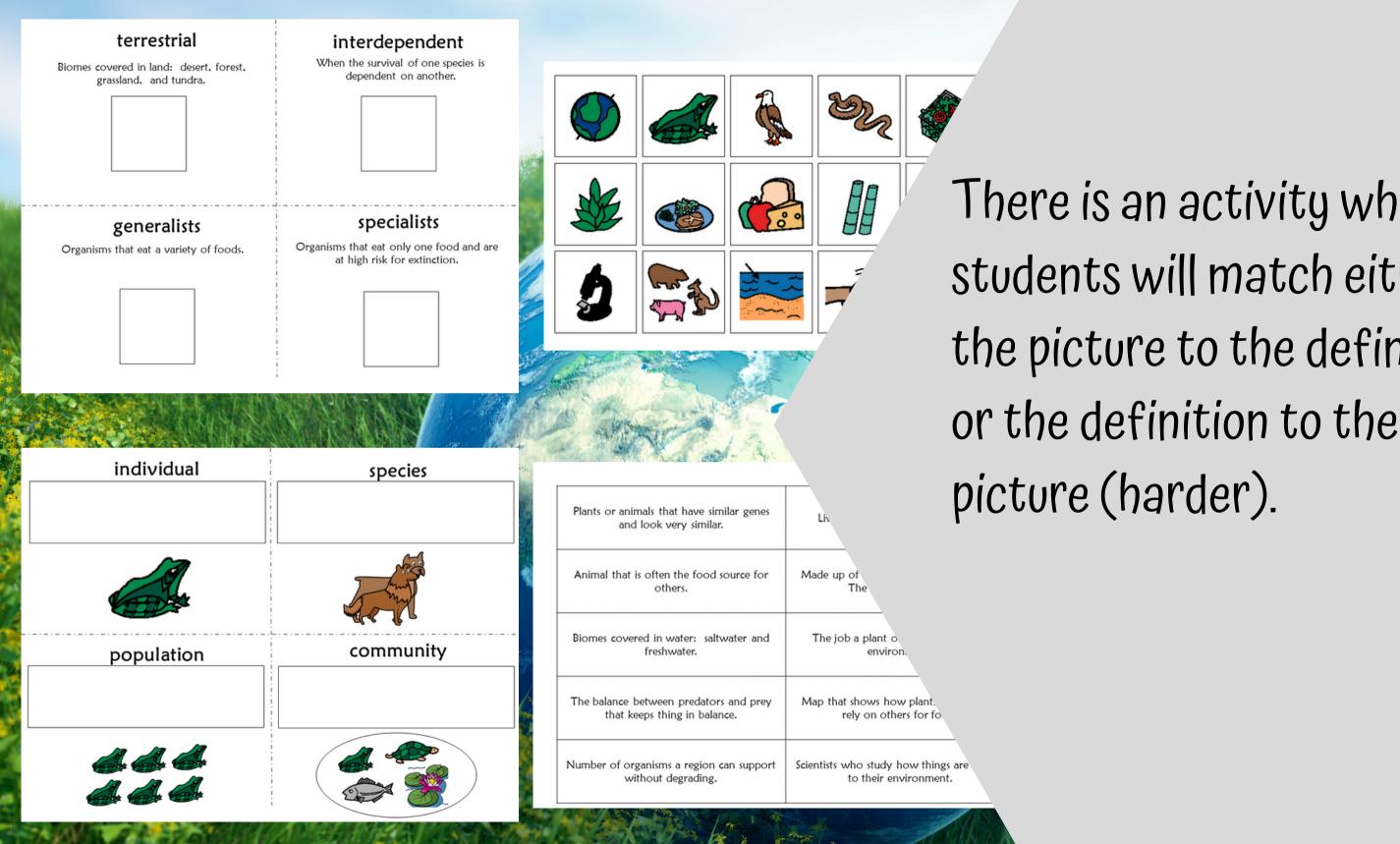


predator An animal that eats other animals.



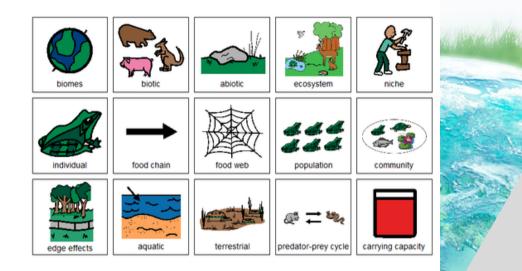
There are 30 vocabulary cards that come in color and black and white.

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



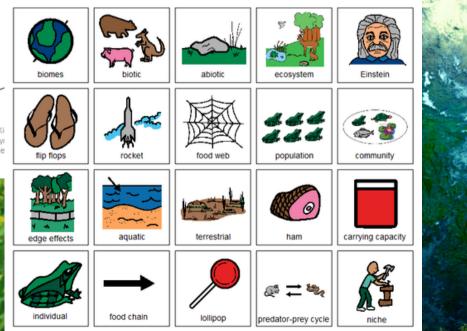
There is an activity where students will match either the picture to the definition Errorless versio

Cut apart pictures and place in circle map about ecology.





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

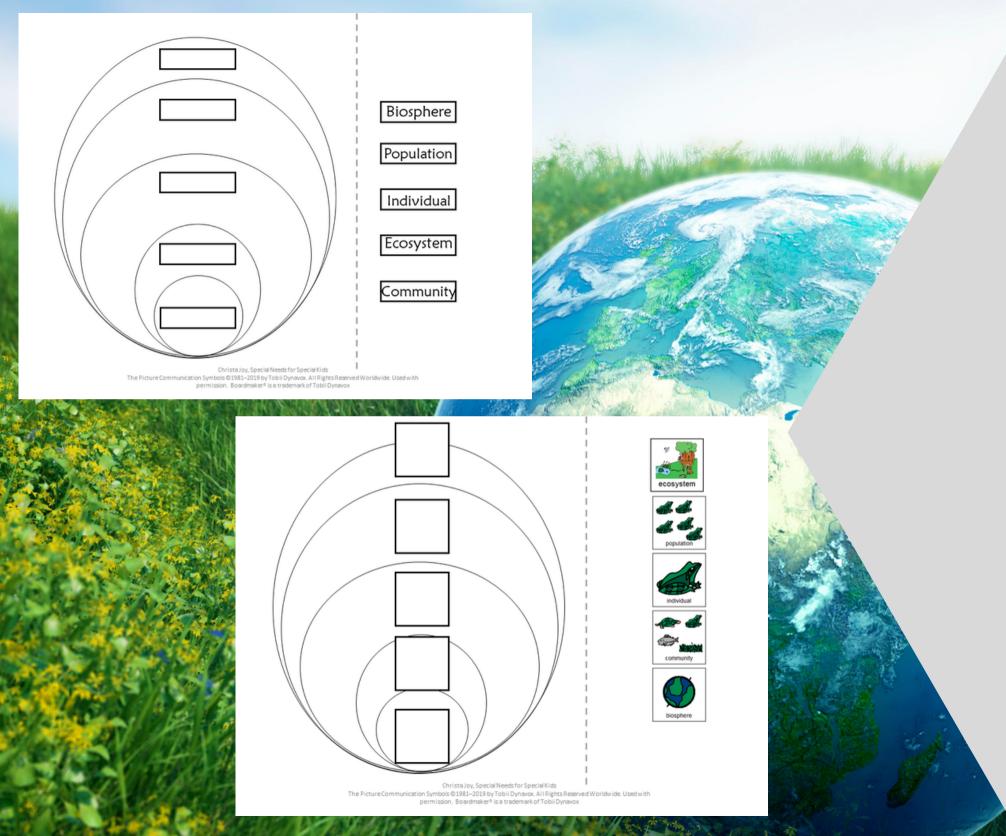


There are 3 circle maps, one on ecology, one on food chains, and one on changes in the environment.

- 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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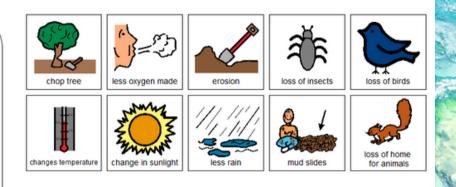
has pictures for more key included.

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

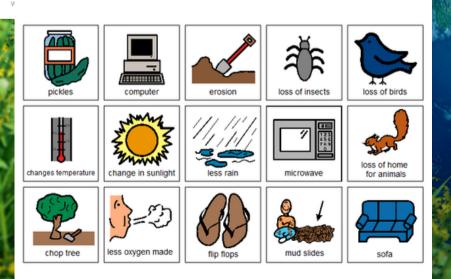
How did it change?



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.



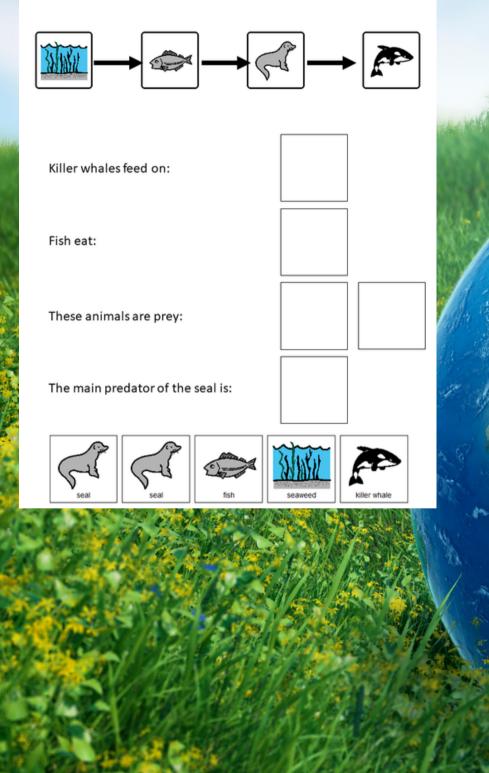
There are students and note changed. errorless version w mixed in.

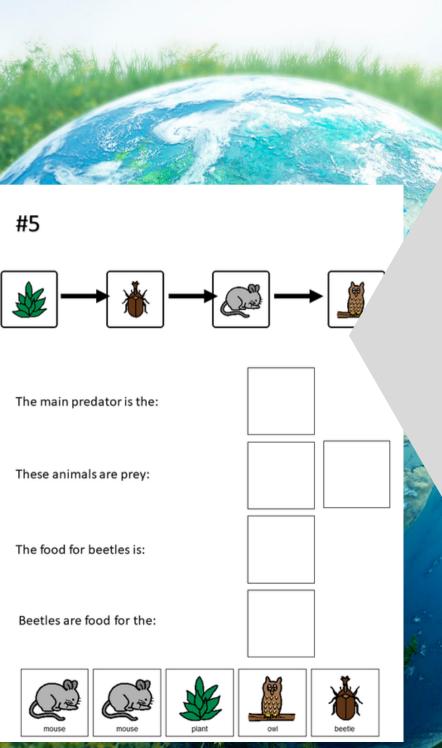
- There are 3 activities where
- students look at 2 pictures
- and note how things have
- changed. It comes with an
- errorless version and a
- version with wrong answers mixed in.



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 included.

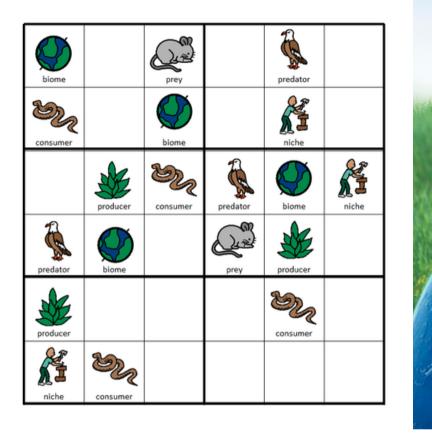






There are 5 food chains for students to look at and answer questions about. Suggestions for differentiation and answer key included.

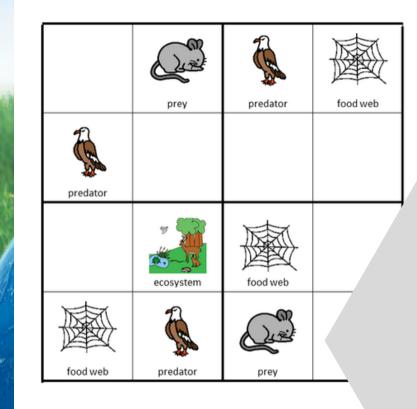
Ecology



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Ecology



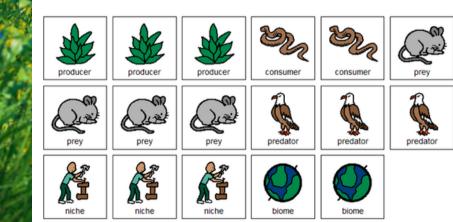
leeds for Special Kids

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to work with the new vocabulary!!

There are 2 versions plus answer keys.

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



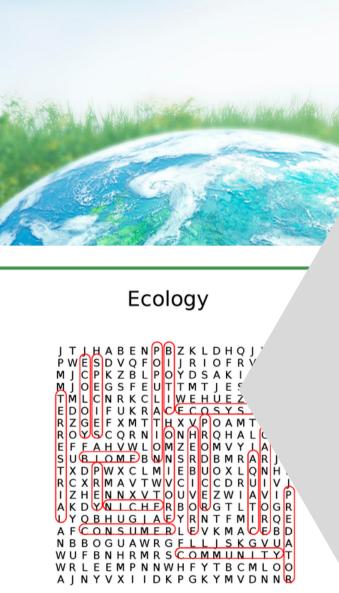




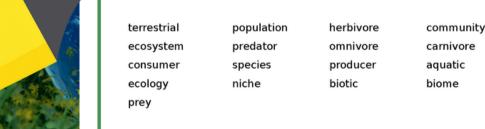
There is a Sudoku puzzle in this unit as well. This is a great way



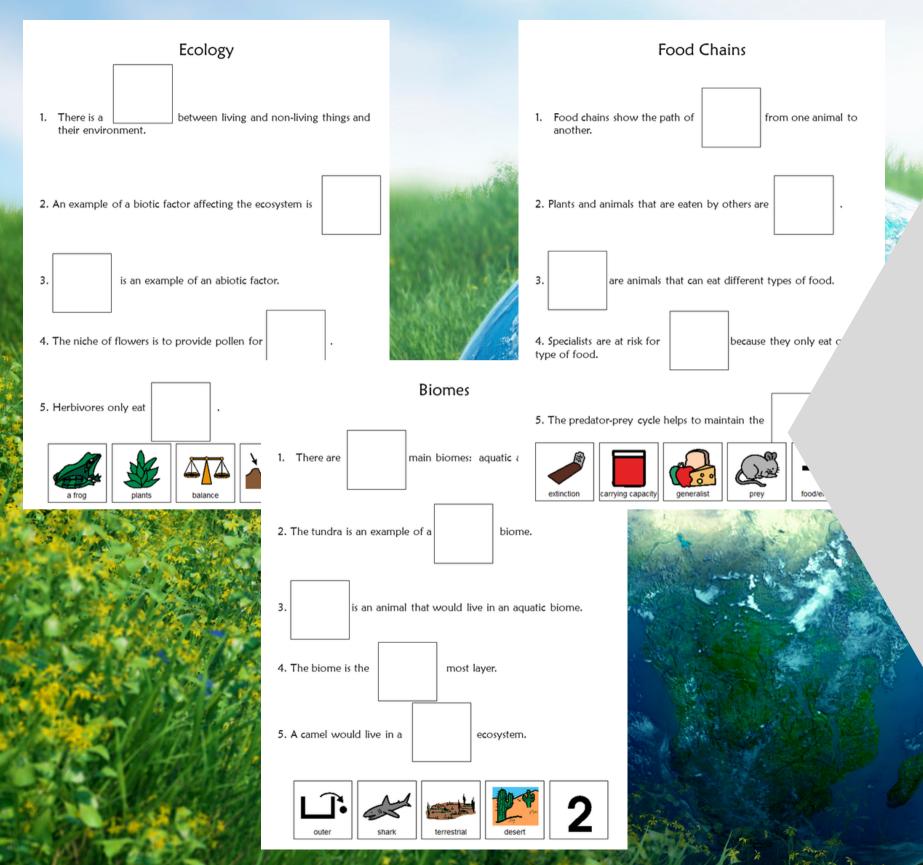
terrestrial	population	herbivore	community
ecosystem	predator	omnivore	carnivore
consumer	species	producer	aquatic
ecology	niche	biotic	biome
prey			



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.





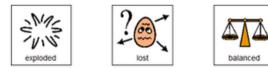


There are 4 fill-in-the-blank review and focus on smaller amounts of material and identify areas to review before the assessment.

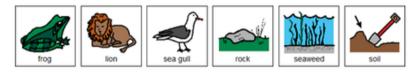
worksheets. These allow you to

Version 1

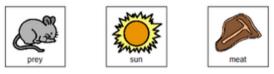
1. Ecology is the study of how living things, non-living things, and the environment are:



2. Circle all those things that are biotic:



3. Producers use this for energy:



4. Carnivores eat:





5. This is the natural cycle between predators and prey that keeps things in balance:





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There is a 10 question assessment.

There are 3 versions. This picture choices for each question.

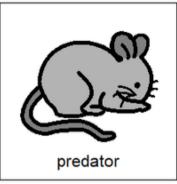
version has 10 questions with 3

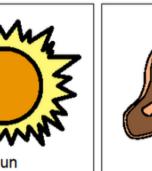
Answer key included.

Version 2

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

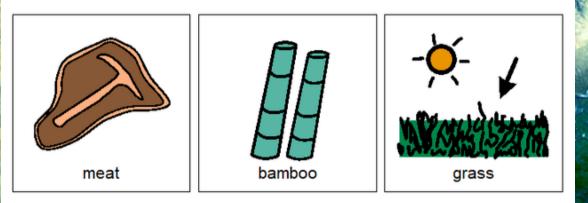
Q 3







Q 4



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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. Ecology is the study of how living things, non-living things, and the environment are:
 - A. exploded
 - B. lost
 - C. balanced
- 2. Circle all those things that are biotic:
 - A. frog D. rock
 - B. lion E. seaweed
 - C. sea gull F. soil
- 3. Producers use this for energy:
 - A. prey
 - B. sun
 - C. meat
- 4. Carnivores eat:
 - A. meat
 - B. 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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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.

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



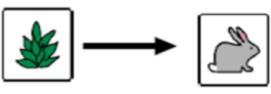
Watch the movie on Biomes and **Food Chains** Within each ecosystem, plants and animals are busy looking for food. This is the most important job they have.

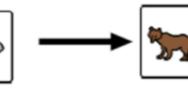


Christa Joy, Special Needs for Special Kid

versions of the activities. than printing it out.

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





Rabbits get food from:

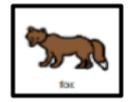
Rabbits are a source of food for:

This animal is the prey:

This animal is the predator:

Look at the food chain, then answer the questions.

the second of the second second the second of









typing is required.

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

Label the layers.









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uses color for each student.

- 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

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