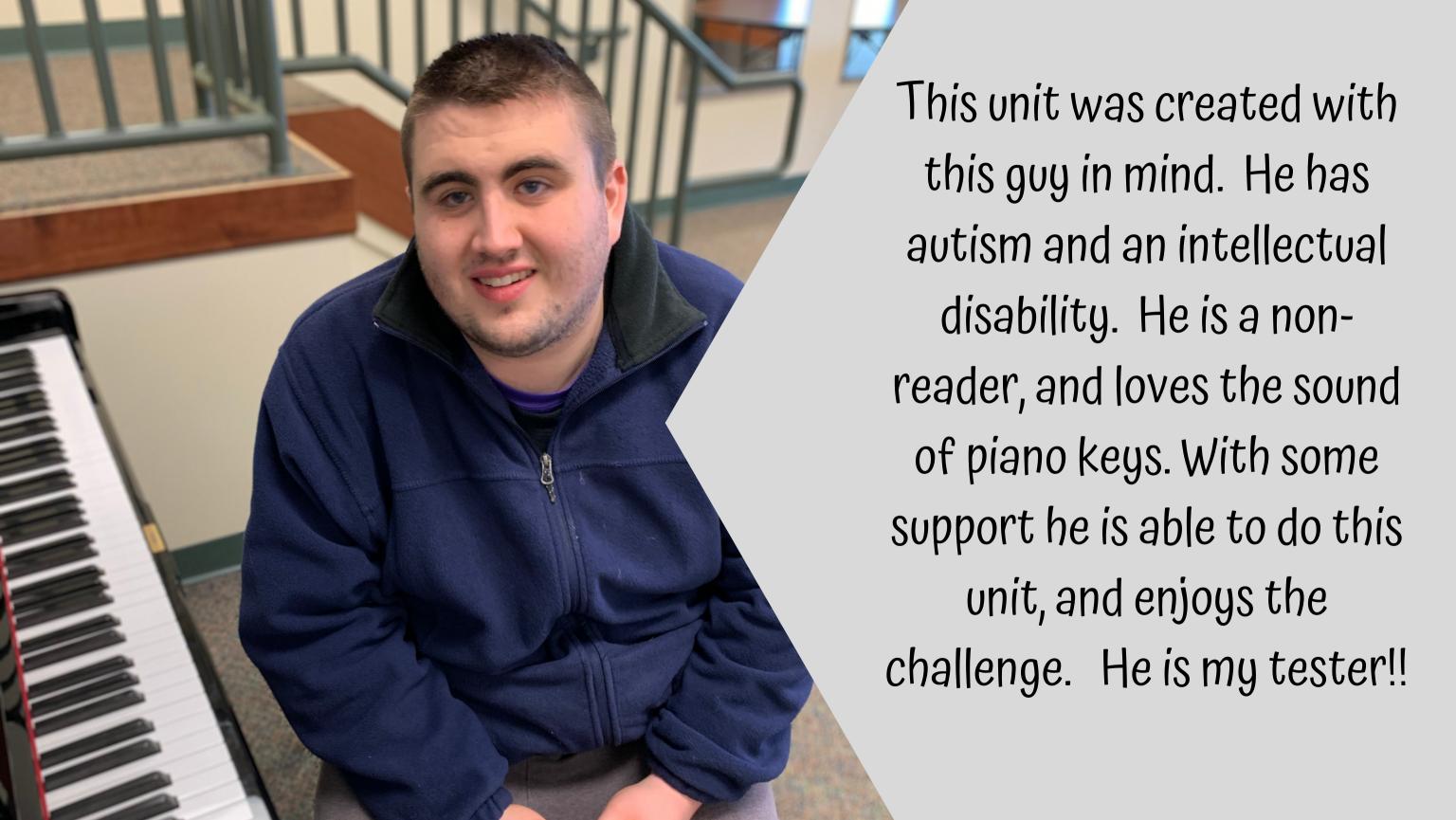


ALSO INCLUDES GOOGLE SLIDES



Effects of the Human Population Unit

By
Christa Joy
Special Needs for Special Kids



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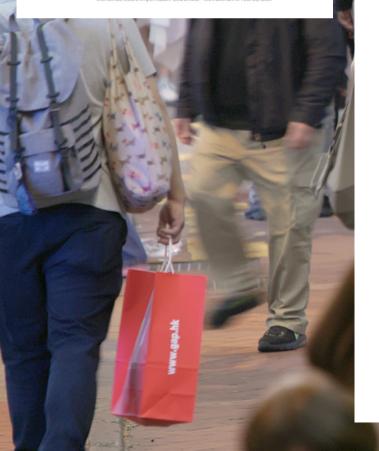


Table of Contents

Pages	Activity
4-5	Vocabulary board
6-9	Vocabulary cards
10-19	Vocabulary cut and paste
20-23	Circle map
24	Urbanization group activity
25-31	Cause and effect activity
32-35	Matching solutions to problems
36-38	Writing prompt
39-41	Reducing my ecological footprint activity
42-48	Sudoku puzzle
49-50	Word search
51-55	Cloze worksheets
56-66	Assessment
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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

This unit contains over 150 pages of material. 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.

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Effects of human population Lesson Plan

Preparation

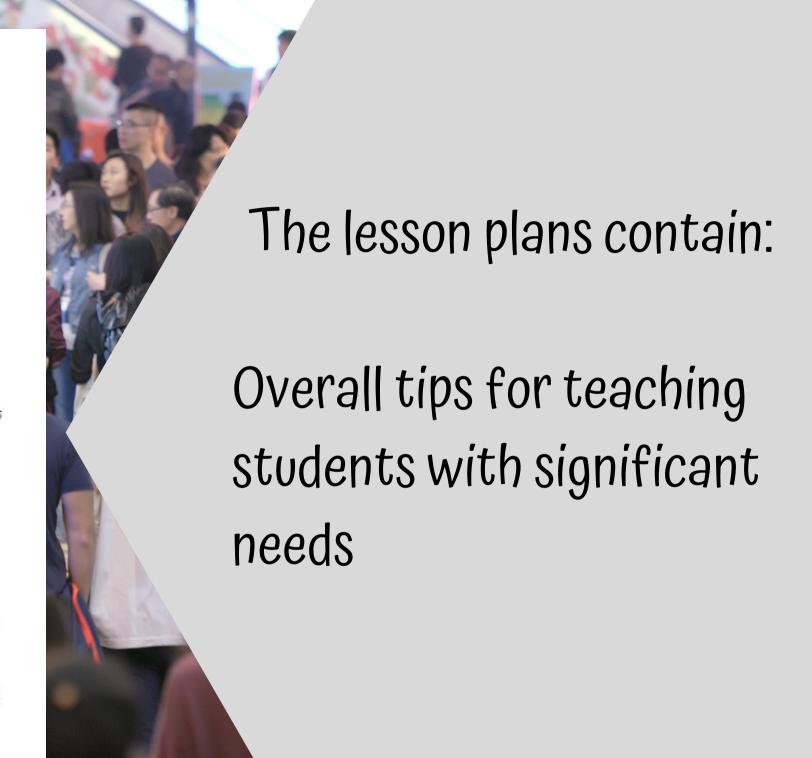
- · Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Book
 - o Print out, laminate, and bind
 - o OR your students can listen to the pre-recorded version
- Vocabulary cards
 - o Print out a set of cards onto cardstock and laminate
 - Make one set for each student and one for the teacher to use in 1 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.
 - For more info, read more here: https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-fordifferentiation/
 - 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/
- 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.
 - 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



Quick Look

Day	Activity	Day	
1	BookVocab cards activityCircle map	7	 Book Vocab cards activity Writing Prompt
2	BookVocab cards activityUrbanization experiment	8	BookVocabulary cut and pasteSudoku puzzle
3	BookVocab cards activityCause and effect activity	9	BookVocabulary cut and pasteWord search
4	BookVocab cards activityCause and effect activity	10	BookVocab cards activityClose worksheet
5	BookVocab cards activityMatch solution to problems	11	Assessment
6	 Book Vocab cards activity Reducing my ecological footprint 		

The lesson plans contain:

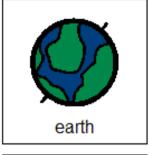
A quick look at what you will do each day

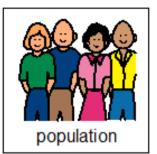
Day 2

Activity	Notes	Materials		
Read or listen to a recording of the book (15 minutes)	ecording questions book Continue to make connections between			
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)	w .			
Urbanization experiment (10 minutes)	periment directions included in unit)			
Sharing (10 minutes)	######################################			

The lesson plans contain:

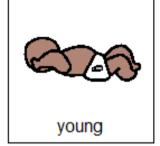
Detailed instructions on how that day's lesson should run











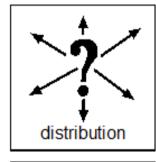


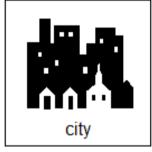


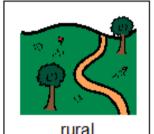


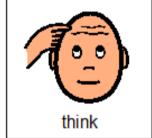


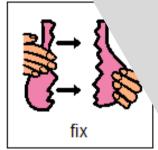


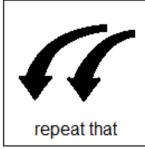




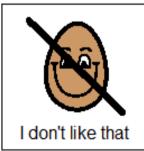
















This unit comes with a vocabulary board.

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

Tips on how to use in the unit!!

In general, the number of people, or the population impacts the earth in two ways. First, the population affects how many resources are consumed or used.





Next, we will consider the population composition. This is the overall age of the population. How many old and young people are present.



There is a book with this unit using simple text and photos. It is 41 pages and is an overview of the effects of the human population on the earth.

Both come in pdf versions as well as a voice-recorded powerpoints (so you don't have to print it out.)





carrying capacity

Maximum population the earth can sustain forever.



consumed

Used up.





population

All of the people that live in a certain area.



resources

Physical material that humans need and value such as land, air, and water.



distribution

Where people are located.



composition

The number of people in different age groups within the population.





developing country

Poor country that is seeking to become more advanced economically and socially and socially of the world.



urbanized

Made more like a city.



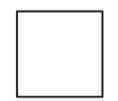
There are 12 vocabulary cards that come in color and black and white.

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

carrying capacity Maximum population the earth can sustain forever.

population

All of the people that live in a certain



resources











Physical material that humans need and value such as land, air, and water.











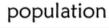
carrying capacity















Cut apart and match definition with pictures.

consumed



resources

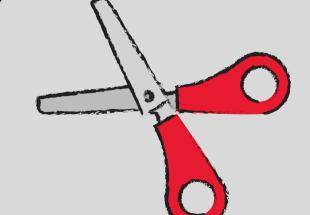


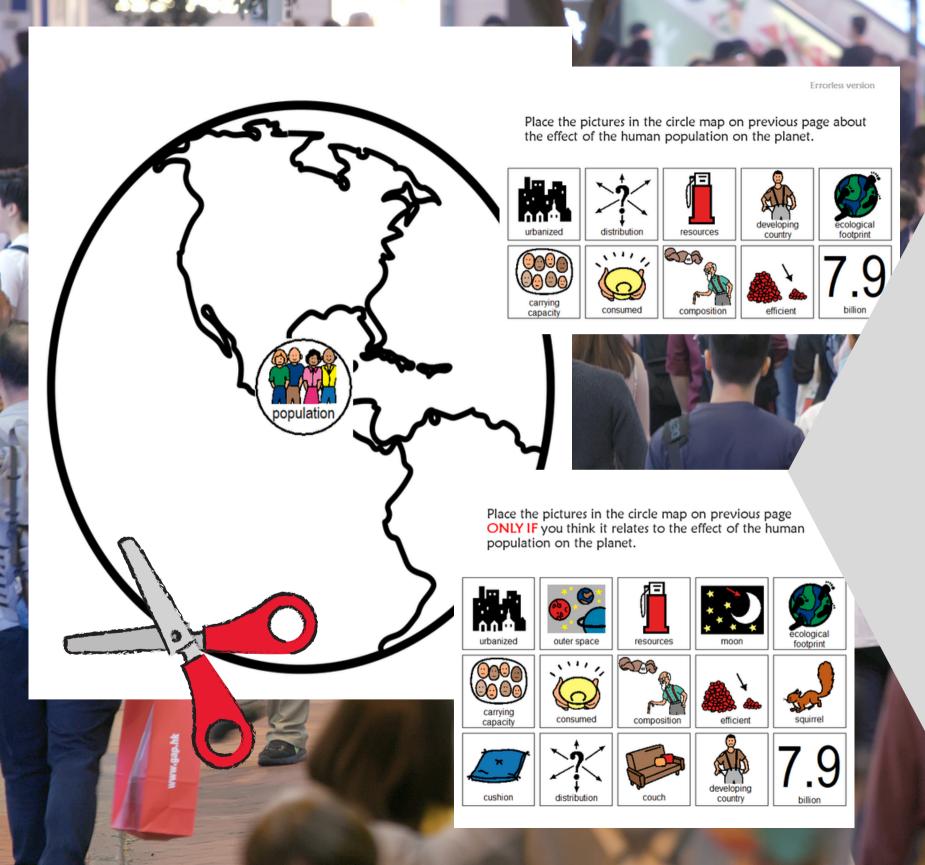
The amount of land Physical material that humans need resources required and value. population. The number of people in different age Maximum population the e groups within the population. sustain forever.

All the people that live in a certain

Uses less energy and makes less was

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).





There is a circle map on the effects of the human population.

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



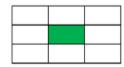
Urbanization Experiment

Materials:

- 3 large pieces of construction paper with a 1 inch grid drawn on it
- 1 inch colored tiles separated into 3 baggies labeled city, suburb, rural or country
 - City: 5 green tiles (plants), 150 other colored tiles (people)
 - o Suburb: 10 green tiles, 100 colored tiles
 - o Rural: 20 green tiles, 30 colored tiles

Rules:

- Students will attempt to place all tiles on gridded paper
- For each green tile, there must be an empty space all around it, reflecting the amount to room plants need to grow.



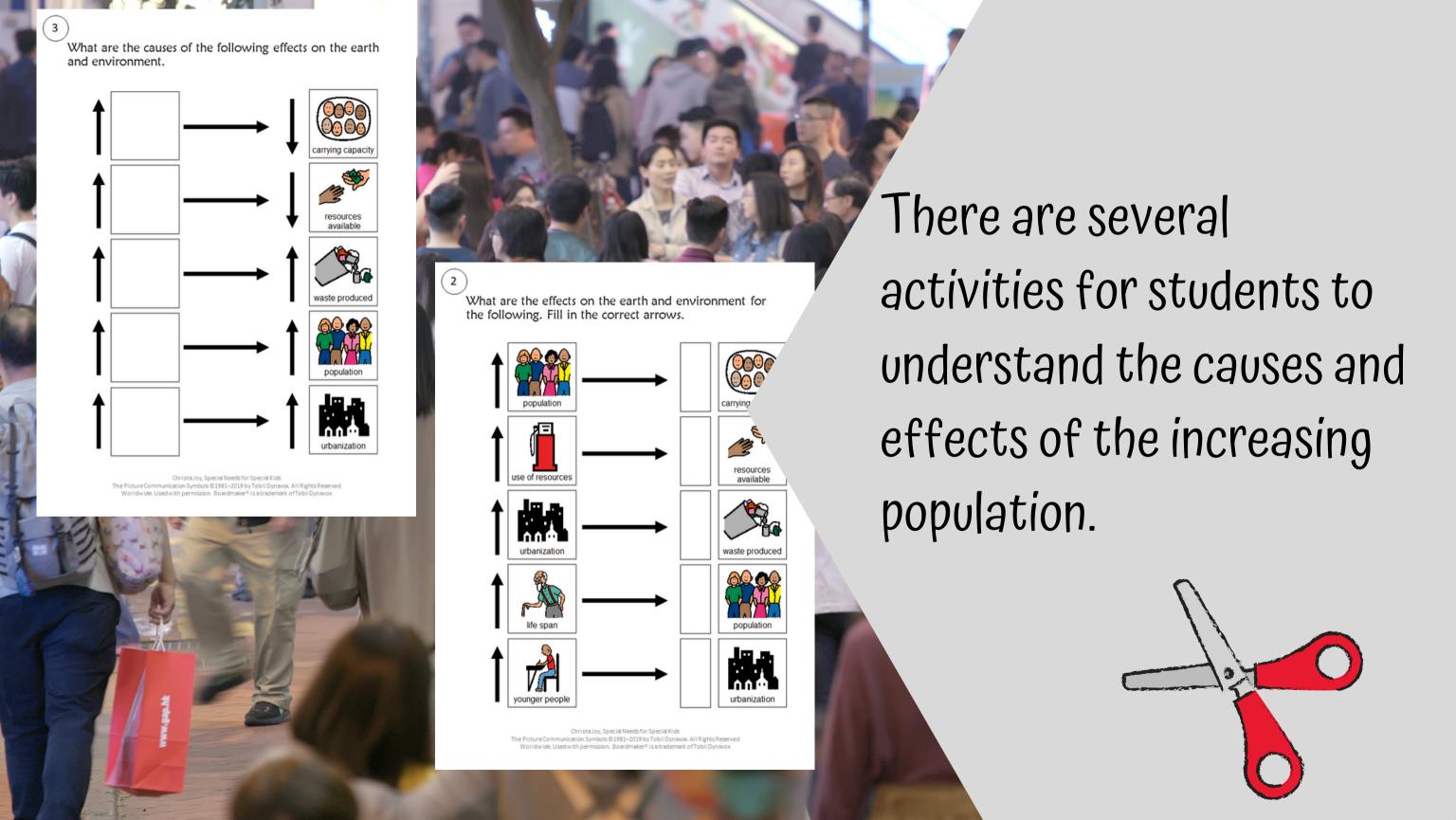
 They should place all the colored tiles, but may not be able to fit all the green tiles.

Observations:

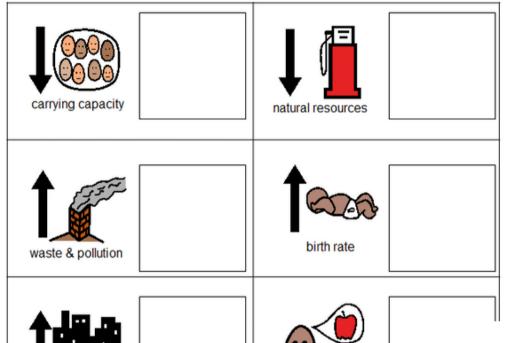
 Once all three papers are filled, put side by side to talk about what they notice about the number of plants versus number of people.

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There is a group activity where students will manipulate materials to better understand the effects of urbanization.



Find the best solution to each of the following problems caused by human population.



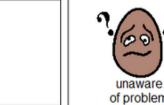


Match the following solutions to the problems of previous page. There may be more than one corranswer.

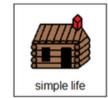
There is an activity where students match the best solution to the problems caused by the increasing population.





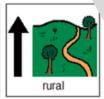


not enough food







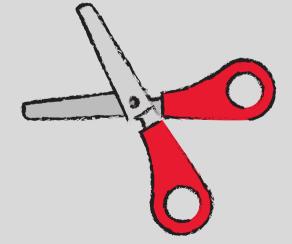


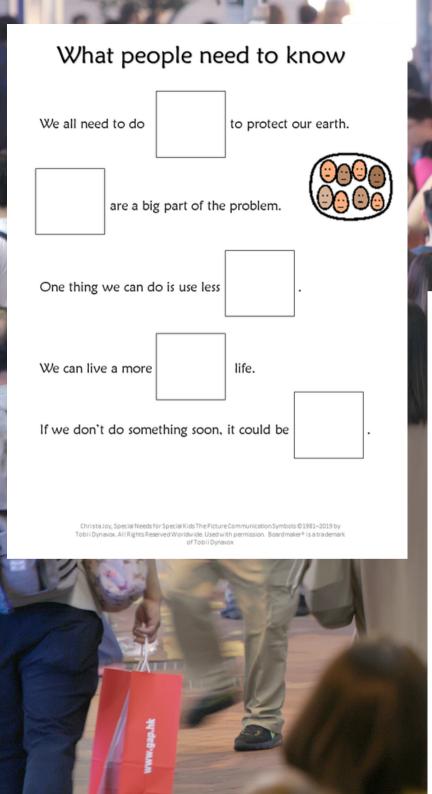




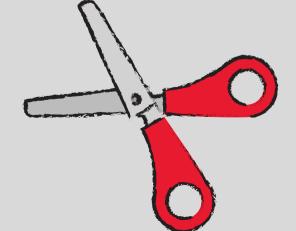








There is a writing prompt about what people need to know about the increasing human population.



Christa Joy, Special Needs for Special Kids The Picture Communication Symbols © 1981–2019 by Tobil Dynavox. All Rights Reserved Worldwide. Used with permission. Board maker® is a trademark of Tobil Dynavox. How I can reduce my ecological footprint





You can choose from these pictures or draw your o add to the previous page.































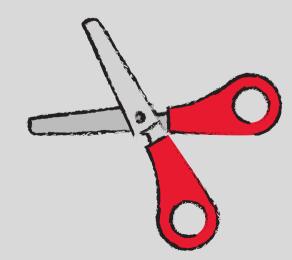




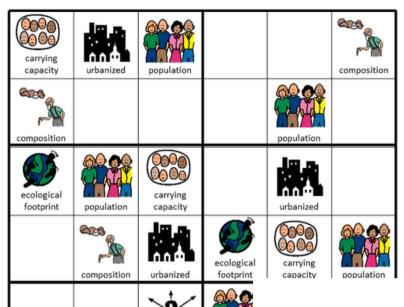




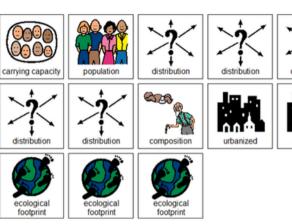
Students will create a collage about how they can reduce their own ecological footprint.

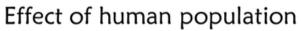


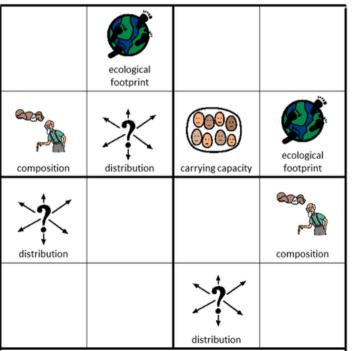
Effect of human population



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 to work with the new vocabulary!!

There are 2 versions plus answer keys.



Effect of the human population

F K U Z I E M X B G H M K V Z I O Y C T OFRKPFCBIBWIWIIVUHZP XNBPOWUBAWYVBUPBKMZL LAEUPSQOALTERNATIVEC LAFOUDATROTSVTPISLVR LZFHLTCAFGOONIMBGICO ESIWARQPLGTIUOEKPDMH IRCATNEYHSOINUVROAFI YTIGIEEENOXFOOTPRINT LUNRNIKNCOMPOSITIONE F B D N I G O G K S V E R F N L F S V A EALEGRICLDIOCONSUMEU LNRWKLOPXDFDSLLXEJOT XIUANJUWCPQVVNJFOFKC PEALKSXFYONIGBFDAFDR IDLECARRYINGCAPACITY QHNUD I STR I BUT I ONK | FZ

carrying capacity distribution composition populatic alternative resources urbanized renewabl footprint efficient consume rural





Effect of the human populatic

F K U Z I E M X B G H M K V Z I Q Y C
Q F R K P F C B I B W J W J J V U H 7
X N B P O W U B A W Y V B U P B K M
L A E U P S Q Q A L T F R N A T L Y
L A F O U D A T R Q T S V T P I S
L Z F H L T C A F G Q Q N I M B
E S I W A R Q P L G T J U O E K I
J R C A T N E Y H S Q I N U V R Q
Y T I G I E E E N Q X E Q O T P R
P X E W O R F S O U R C F S S I U K
L U N R N J K N C O M P O S I T I O N
D R T E V N S C F X P V M G B F P V Z
F B D N I G Q G K S V E R F N L F S V A
E A L E G R I C L D I Q C O N S U M F U
L N R W K L O P X D F D S L L X E J O T
X I U A N J U W C P Q V V N J F O F K C
K Z R B H C T Z Z O B K Z E T H R K B P
I D U F C A R R Y I N G C A P A C I T Y
Q H N U D I S T R I B U T I O N K J F Z

carrying capacity distribution composition population alternative resources urbanized renewable footprint efficient consume rural

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.

Human population 1. The number of people is constantly 2. The carrying capacity is how many the earth can keep 3. People way too many resources. 4. People produce way too much 5. We need to look at people live.



Human Population

6. Developing countries have the anywhere.



7. People are living about 20 years



8. Younger people tend to live in more



9. Scientists are looking at how to use more save our natural resources.



10. It would help if people lived a more



life.









Close worksheets are a great informal assessment. There are two worksheets that cover the main points from the book.

Answer key included.



Version 1

1. The ecological footprint is the amount of land need to support the:







2. Over time, the population of the word has:







3. We need to consume_____ resources.







4. We need to create







waste.

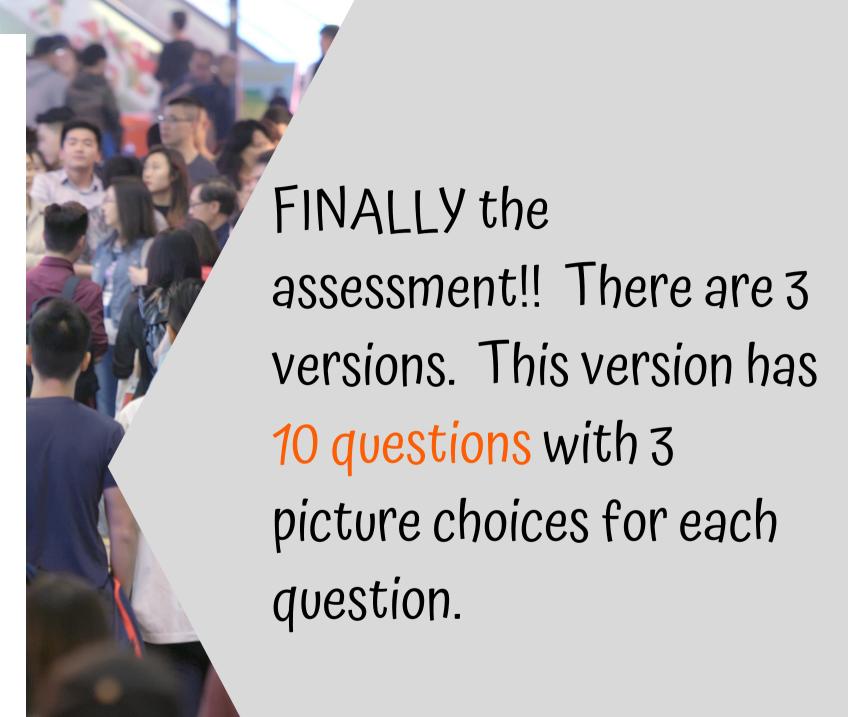
5. The population distribution relates to:







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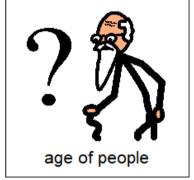


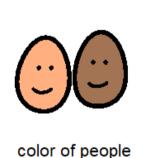
Answer key included.

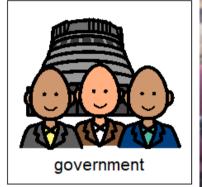
Version 2

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

Q 6

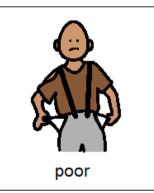






Q 7







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.

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- 1. The ecological footprint is the amount of land need to support the:
 - A. Animals
 - B. Factories
 - C. population
- 2. Over time, the population of the word has:
 - A. Increased
 - B. Decreased
 - C. Stayed the same
- 3. We need to consume resources.
 - A. More
 - B. Less
 - C. A lot
- 4. We need to create _____ waste.
 - A. More
 - B. Less
 - C. A lot
- 5. The population distribution relates to:
 - A. How people live
 - B. Where people live
 - C. House they live in
- 6. The population composition refers to:
 - A. Age of people
 - B. Color of people
 - C. government

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.

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