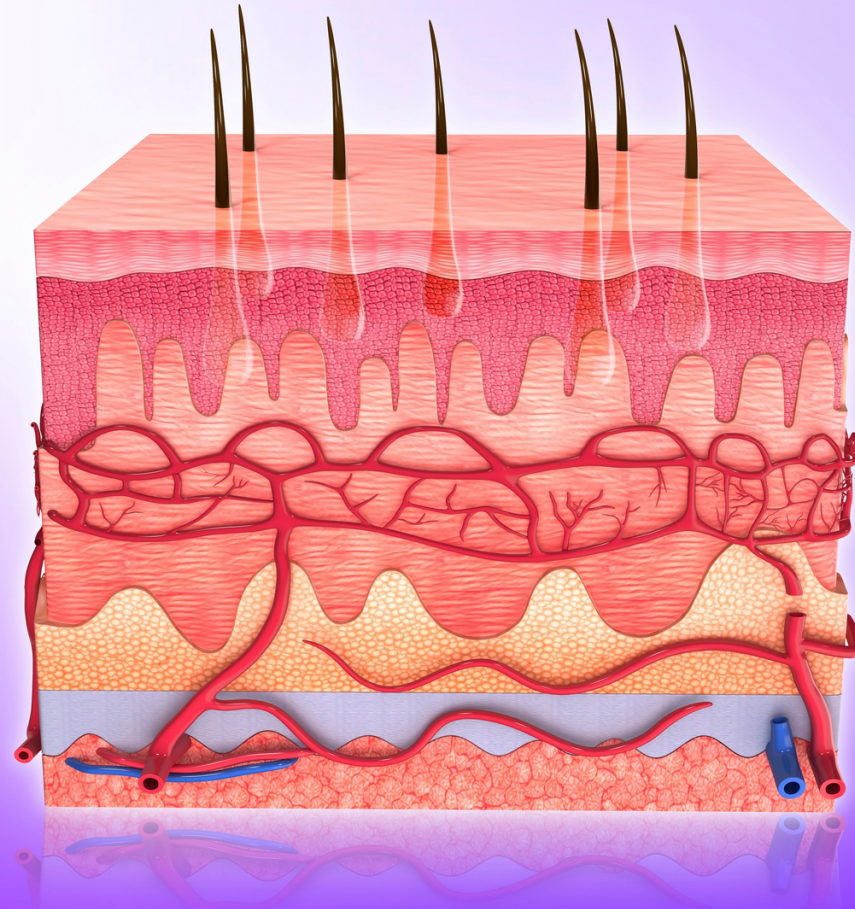


INTEGUMENTARY SYSTEM



INCLUDES GOOGLE SLIDES

Special Needs for Special Kids



For students who:

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

Integumentary System Unit

By
Christa Joy
Special Needs for Special Kids



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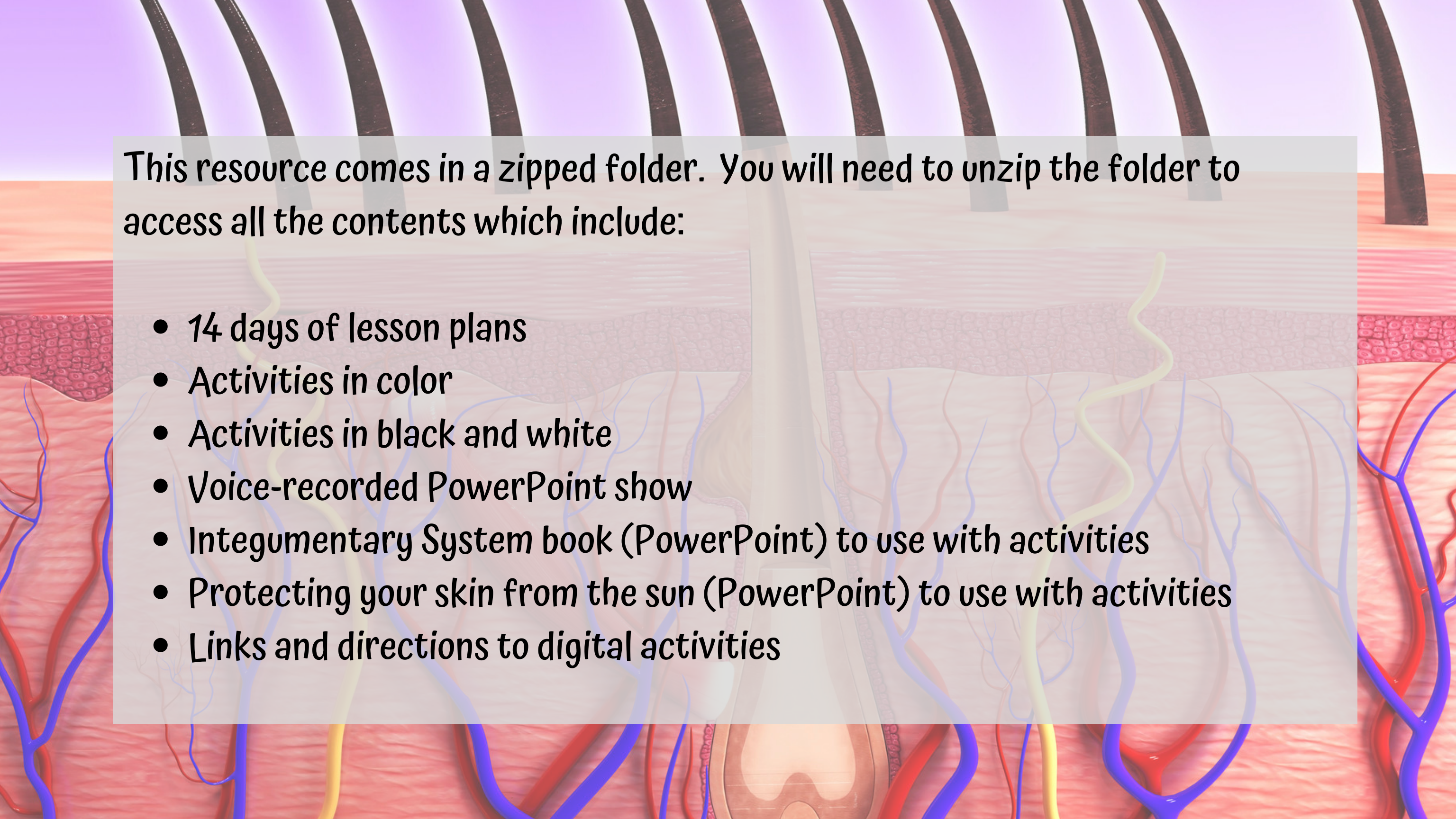
Pages	Activity
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Also included in this resource as separate files:

- 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 **14 days** of material. But, don't worry!! I have included a lesson plan to help you make the most of everything packed in this unit.

This unit comes in 2 separate files, one in color and one in black and white.

An anatomical illustration of human skin layers and underlying structures. The top layer shows the epidermis with hair follicles and sweat glands. Below it is the dermis, containing a network of red and blue blood vessels and yellow nerves. The bottom layer shows the subcutaneous tissue. The background is a light purple color.

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**
- **Activities in color**
- **Activities in black and white**
- **Voice-recorded PowerPoint show**
- **Integumentary System book (PowerPoint) to use with activities**
- **Protecting your skin from the sun (PowerPoint) to use with activities**
- **Links and directions to digital activities**

Day 1

Activity	Notes	Materials
Read or listen to a recording of the book (15 minutes)	<ul style="list-style-type: none">• Since this is the <u>first time</u> students are seeing the book, I focus a lot on the pictures<ul style="list-style-type: none">◦ Ask lots of questions about what they might think the pictures mean or may relate to• Make connections between book and vocabulary board (have students find relevant symbols on their boards to go with a concept or photo on page.)• Go through the book twice, once just looking at the photos and a second time reading the story	<ul style="list-style-type: none">• Book• Vocabulary board
Vocabulary cards (5 minutes)	<ul style="list-style-type: none">• This first day, I am just introducing and allowing the students to explore/look at the cards• Make connections between cards and vocabulary board (have students matching symbols on the board)	<ul style="list-style-type: none">• Vocabulary cards• Vocabulary board
Circle Map (10 minutes)	<ul style="list-style-type: none">• Do the circle map that is a general review• Choose the best version (errorless or not) depending on the learning level of your students• Students cut out symbols and place in circle map• Make connections to the book as necessary	<ul style="list-style-type: none">• Circle map• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their circle map with the group using the communication method of their choice• This repetition is so important. Students are hearing the relevant vocabulary when:<ul style="list-style-type: none">◦ Read the story◦ Review the vocabulary cards and board◦ Complete the circle map◦ Share the circle map	<ul style="list-style-type: none">• Completed circle maps• Communication devices

There is a detailed lesson plan with:

- suggestions
- overview
- daily step-by-step guide

Certain parts of your body have more receptor cells than others. Your hands, feet, and lips have the highest number of these special cells.



This unit contains a 34 page book with simple text on the Integumentary System.

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.

Just make sure you wear sunscreen to protect your skin from the harmful radiation from the sun.



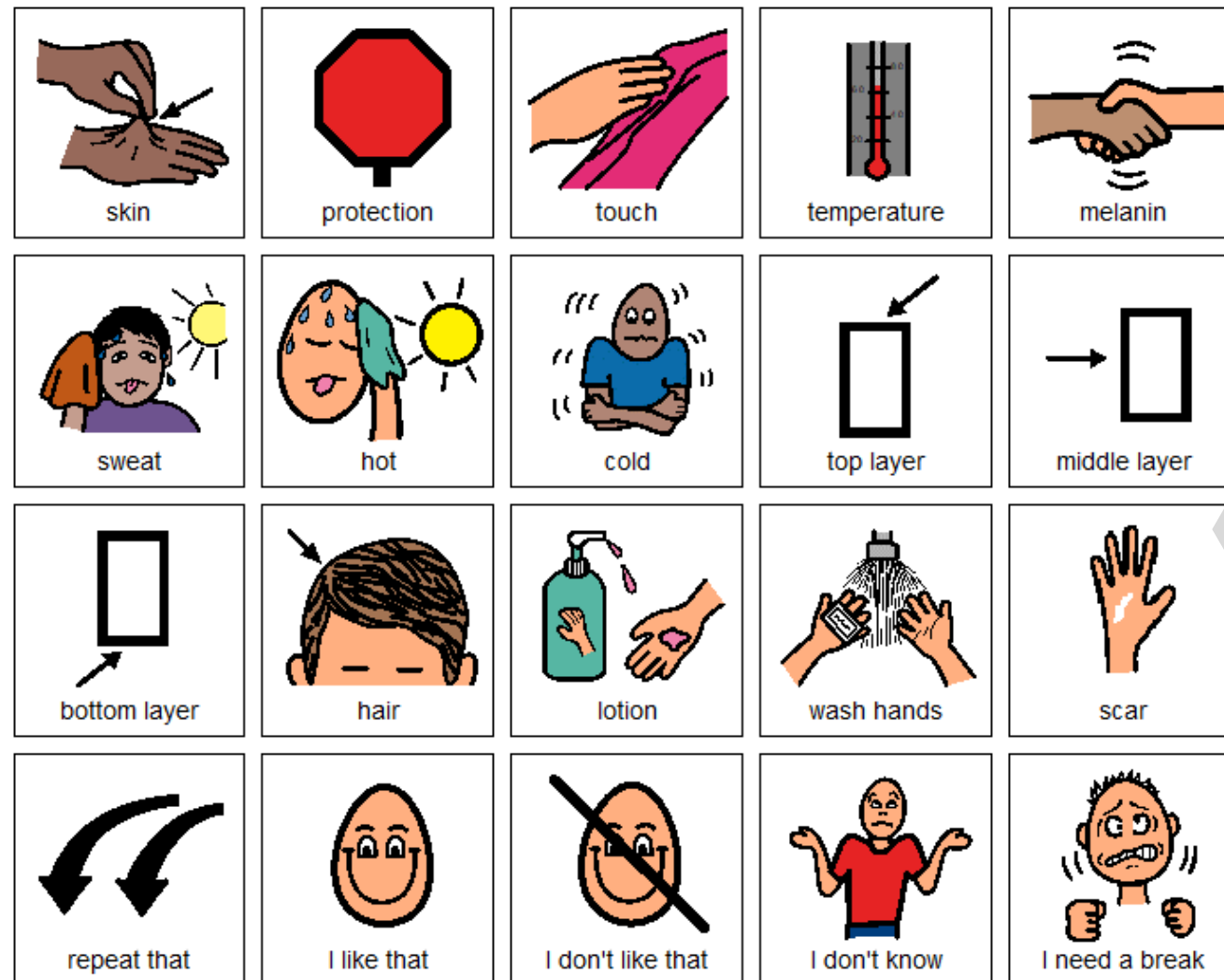
This unit contains a 17 page book with simple text on Protecting Your Skin From the Sun.

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.

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!!



integumentary

Relating to the skin.



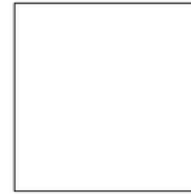
melanin

Pigment created in the outer layer of the skin that gives it its color.



dilate

Blood vessels get bigger when hot to release extra heat.



epidermis

Outer most layer of skin



organ

Group of tissues with the same function.



receptor cells

Cells involved in sense of touch. Send signals from skin to brain.



dermis

Middle layer of skin.

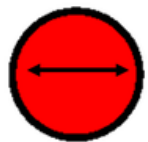


h
Bottom

This unit comes with
vocabulary cards.

Every day students will do a
group activity using these cards
to get more familiar with words
that are likely new to them.

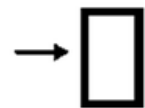
dilate



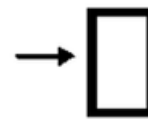
epidermis



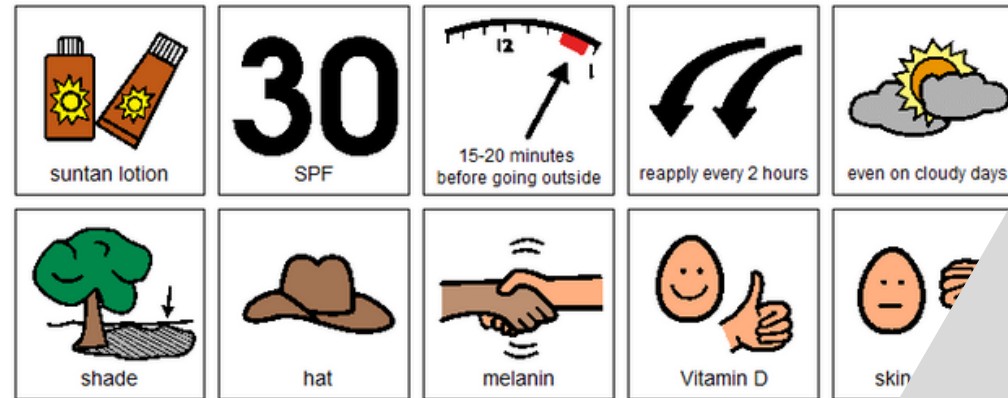
dermis



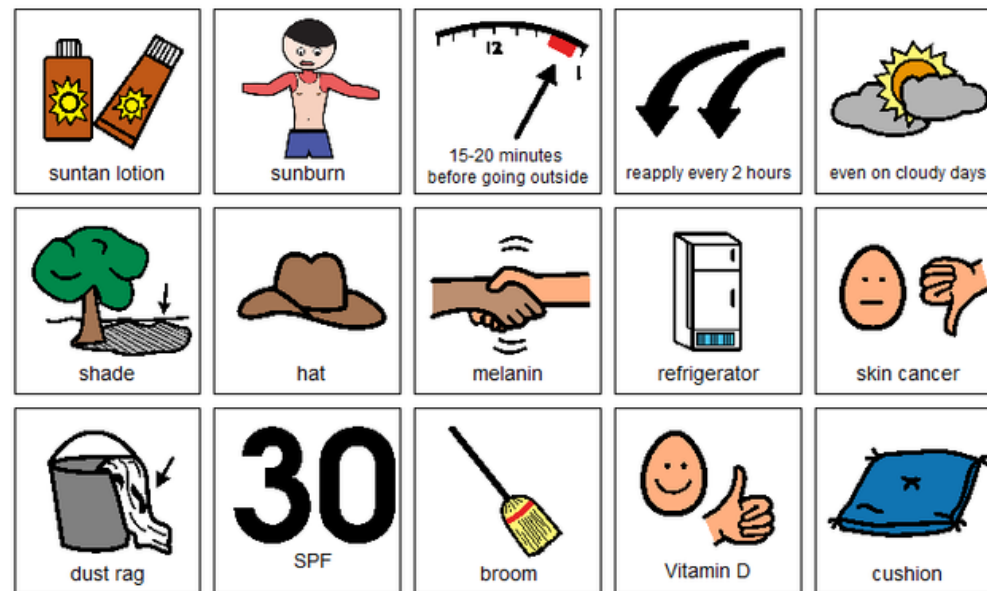
hypodermis



Cut apart pictures and place in circle map about protecting the skin from the sun.



Cut apart pictures and place in circle map **ONLY IF** they are about protecting the skin from the sun.

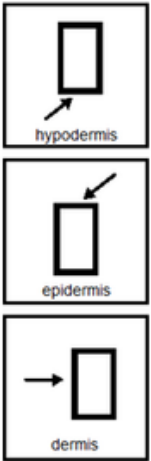
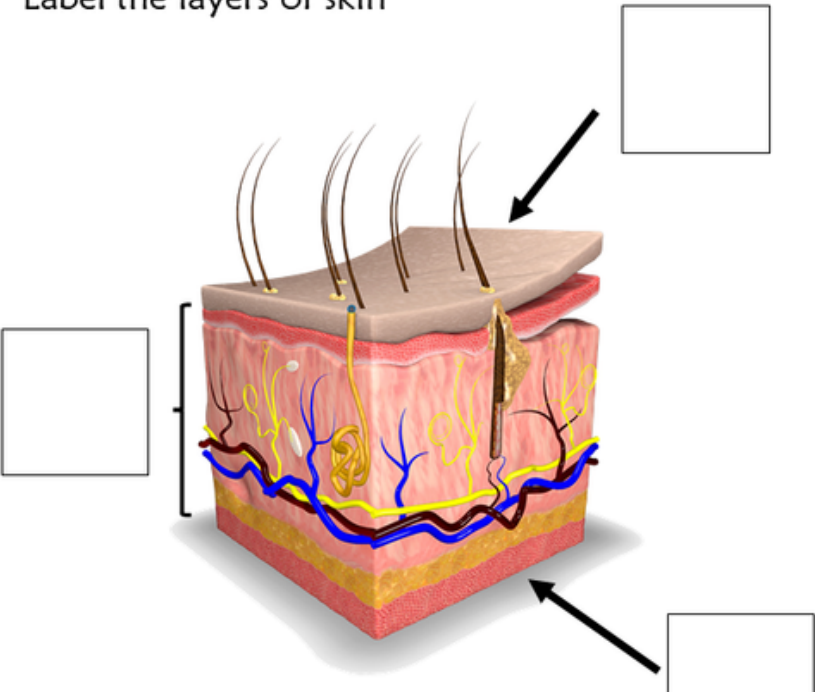


There is a circle map in this unit.

This circle map is a great way for students to see a the concept at a glance. There are 2 versions:

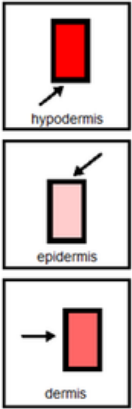
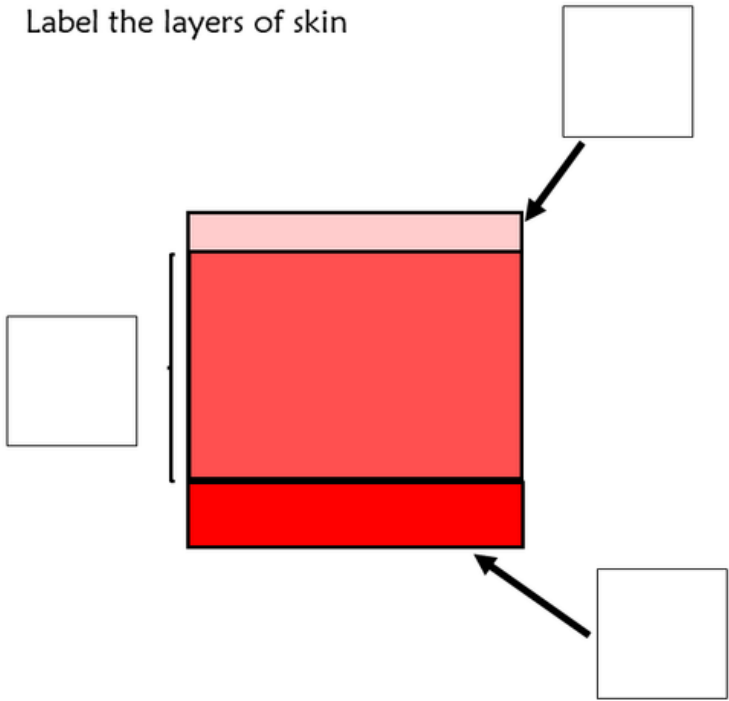
- One is errorless
- One has wrong answers mixed in students will have to set aside

Label the layers of skin



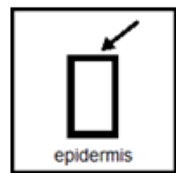
Label the layers of skin

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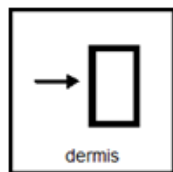


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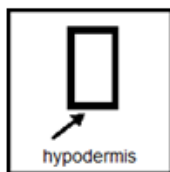
There is a labeling
activity. There are 2
versions.



epidermis



dermis









hypodermis















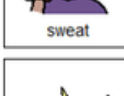





There is a sorting activity,
looking at the
characteristics of the
three layers.

Skin










 epidermis	 sebum			 sweat	 receptor cells
			 epidermis	 integumentary	
 sweat	 sebum	 receptor cells	 epidermis	 melanin	
 receptor cells	 melanin				 integumentary
			 receptor cells	 epidermis	
 integumentary				 melanin	

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

 integumentary	 integumentary	 integumentary	 receptor cells	 receptor cells	 sweat
 sweat	 sweat	 sweat	 melanin	 melanin	 melanin
 sebum	 sebum	 sebum	 sebum	 epidermis	 epidermis

Skin

		 sebum	 receptor cells
 receptor cells			
 sebum	 receptor cells	 integumentary	 sweat
	 sweat	 receptor cells	

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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.

Skin

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

integumentary	hypodermis	epidermis	receptor
melanin	dilate	dermis	sebum
organ	scar	sweat	

Skin

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

integumentary	hypodermis	epidermis	receptor
melanin	dilate	dermis	sebum
organ	scar	sweat	

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.

Skin

1. The main part of the integumentary system is the .

2. Your skin is the organ in your body.

3. Skin is made up of layers.

4. The top layer is constantly being .

5. Skin protects your body from dirt and .

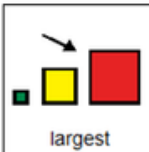
3



germs



skin



largest



replaced

Skin

6. The skin also helps to control your body .

7. Sweating helps to you body.

8. When you are too hot, your blood vessels will .

9. Touch receptors send messages from your skin to your .

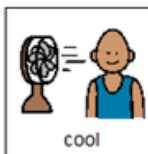
10. is what gives skin its color.



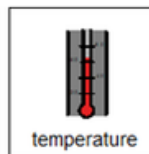
dilate



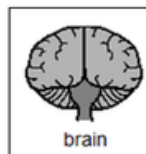
melanin



cool



temperature



brain

Close worksheet are a great informal assessment. This unit has 10 questions that review the integumentary system.

Answer key included.

1. Skin is part of what system?



2. One of the main jobs of the skin it to:



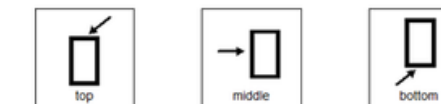
3. What causes people to have different skin color?



4. How many layers of skin are there?



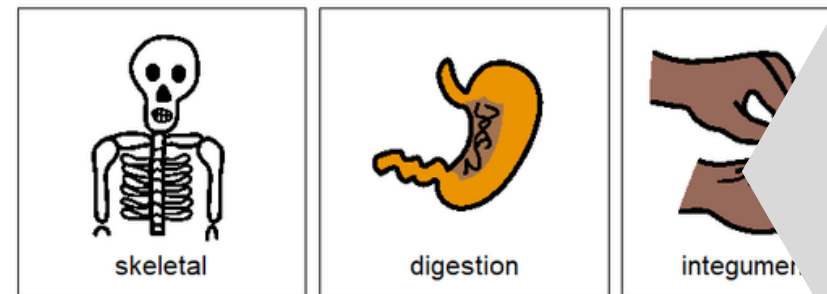
5. The dermis is which layer?



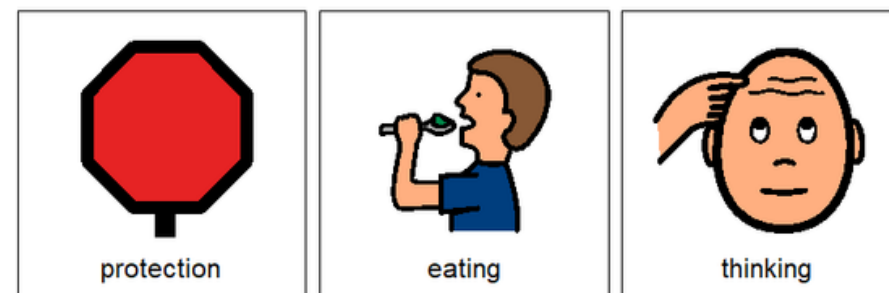
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Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 1



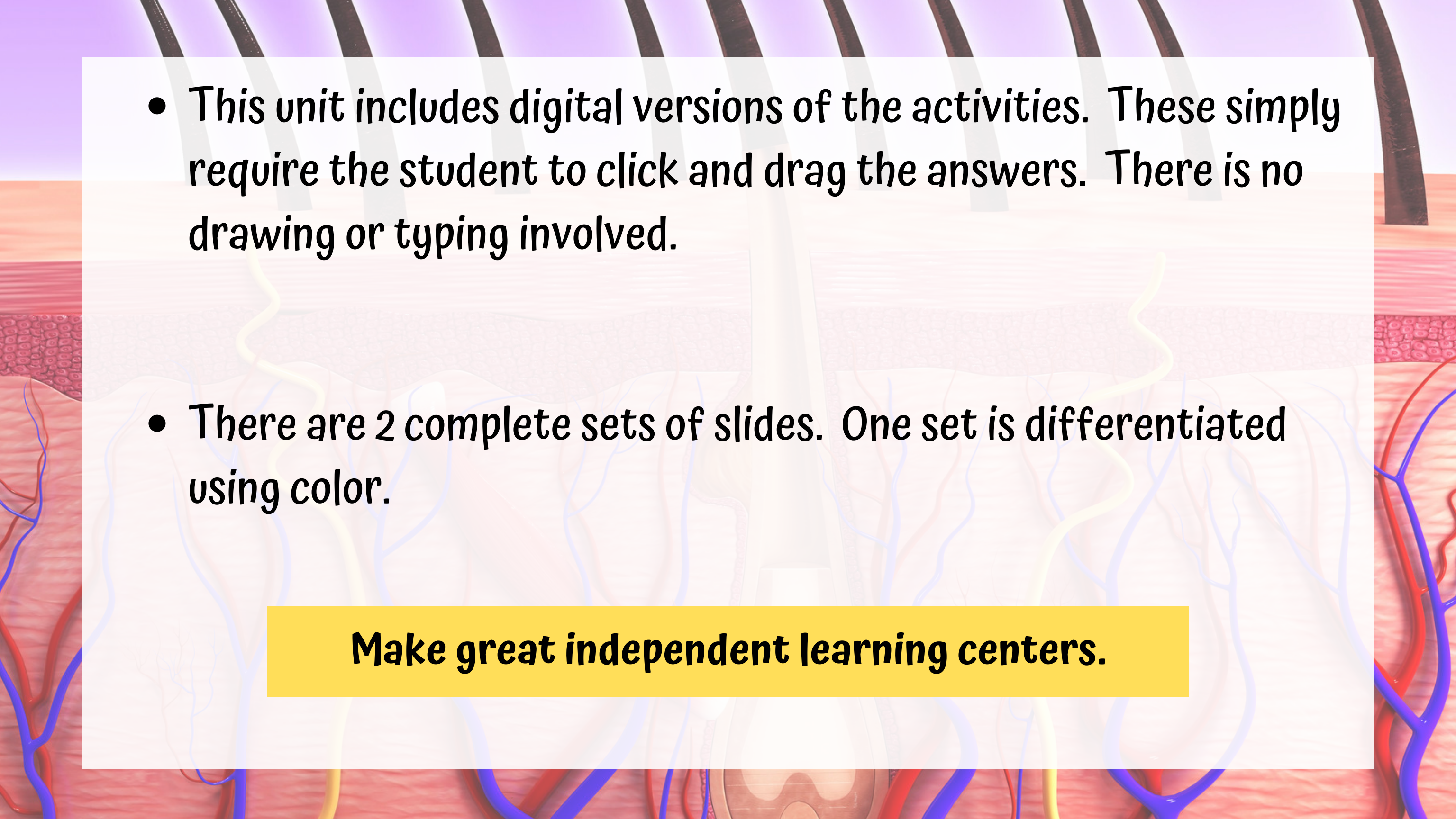
Q 2



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FINALLY the assessment!!
There are 3 versions. This
version has **10 questions** with 3
picture choices for each
question.

Answer key 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.

Watch the
movie on the
Integumentary
System

Your skin is the biggest organ in your
and it is your first defense against th
may be dangerous around you.



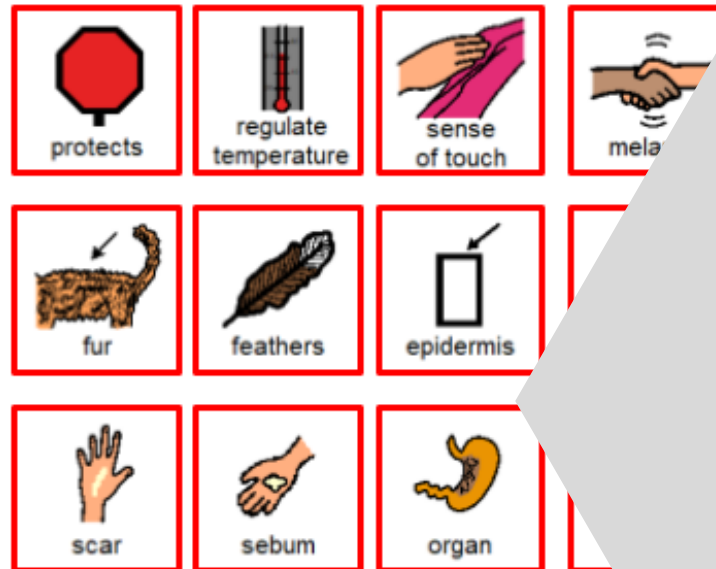
*This unit also includes digital
versions of the activities.*

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

Use for more review.



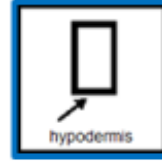
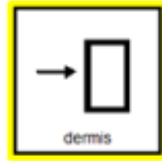
Place the pictures in the circle map about the integumentary system.



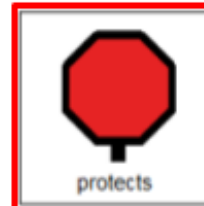
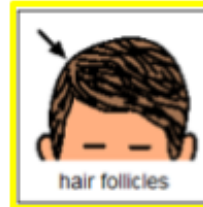
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Each activity is set up so students can click and drag answers. No typing is required.

Perfect for any learning level.



Place the pictures in the column that describes that layer of the skin.



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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.