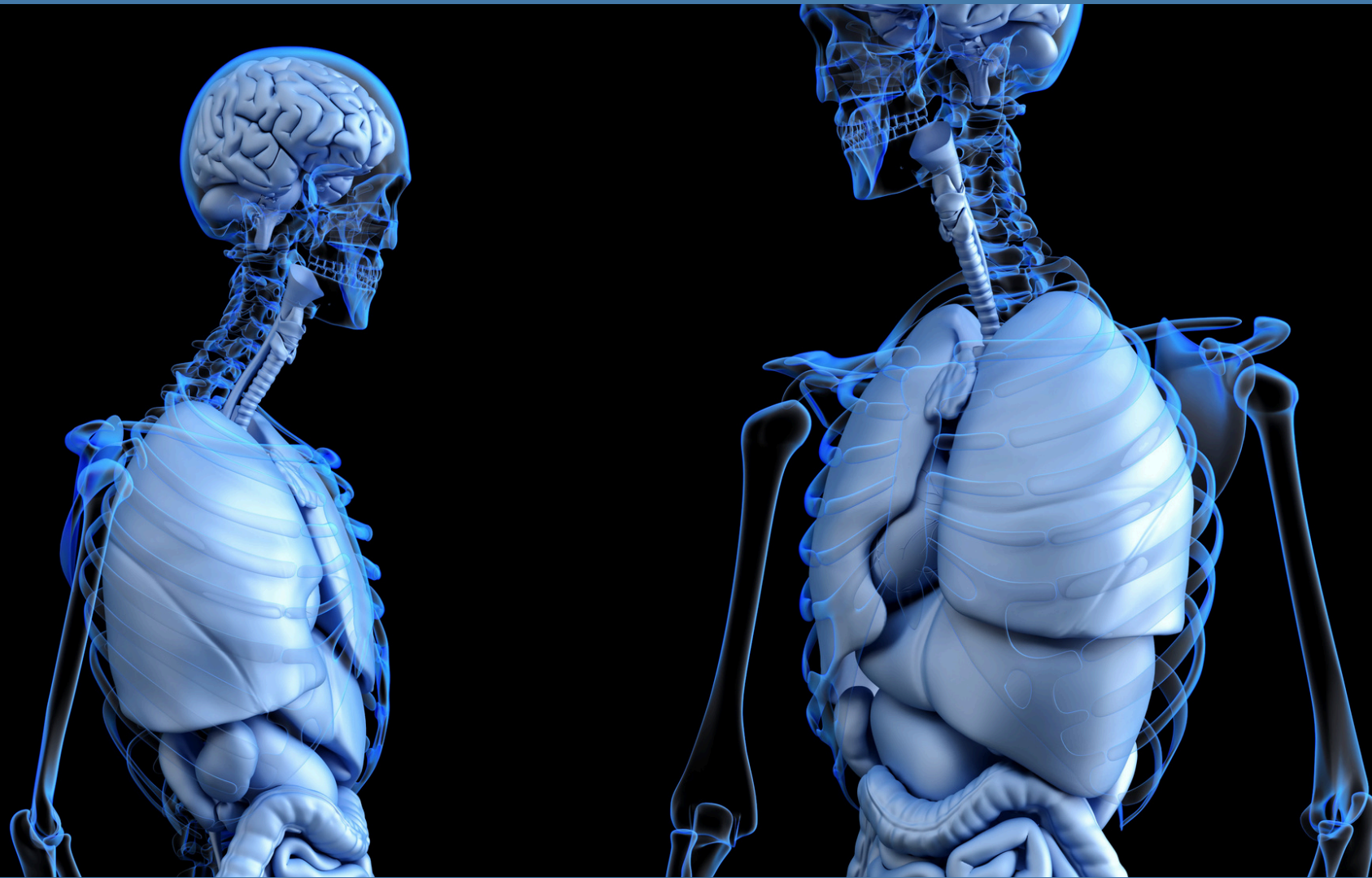


# HUMAN BODY CURRICULUM | SPECIAL EDUCATION | 6 BASIC SYSTEMS



INCLUDES GOOGLE SLIDES



## 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

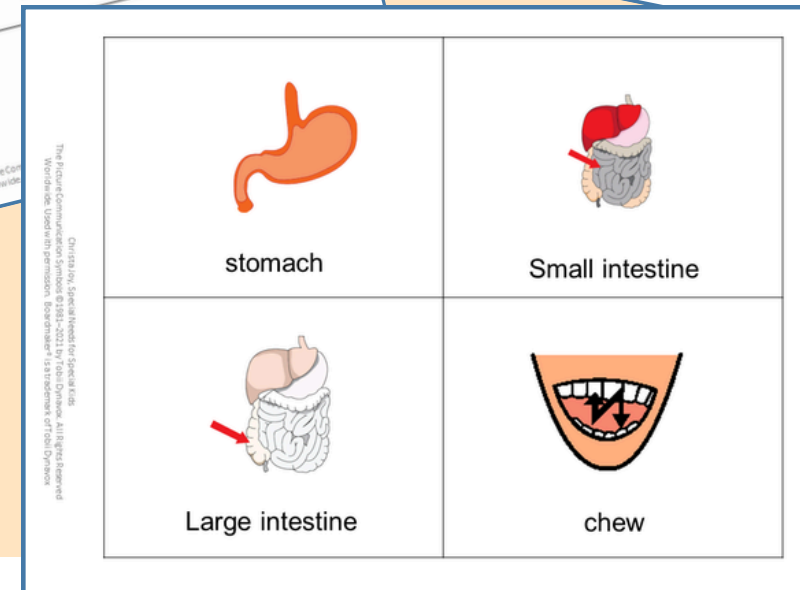
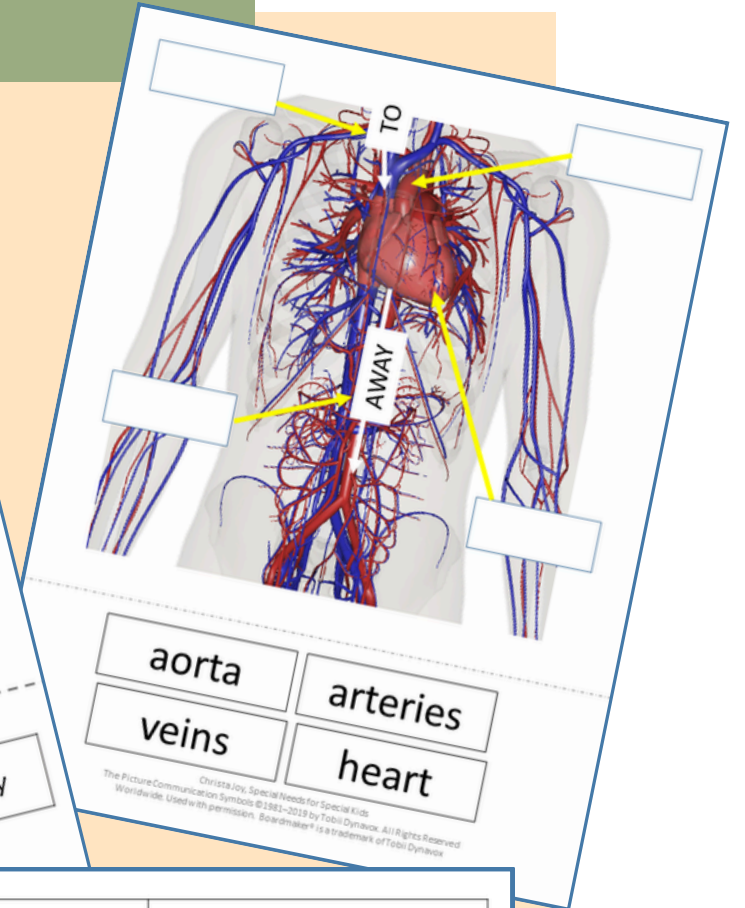
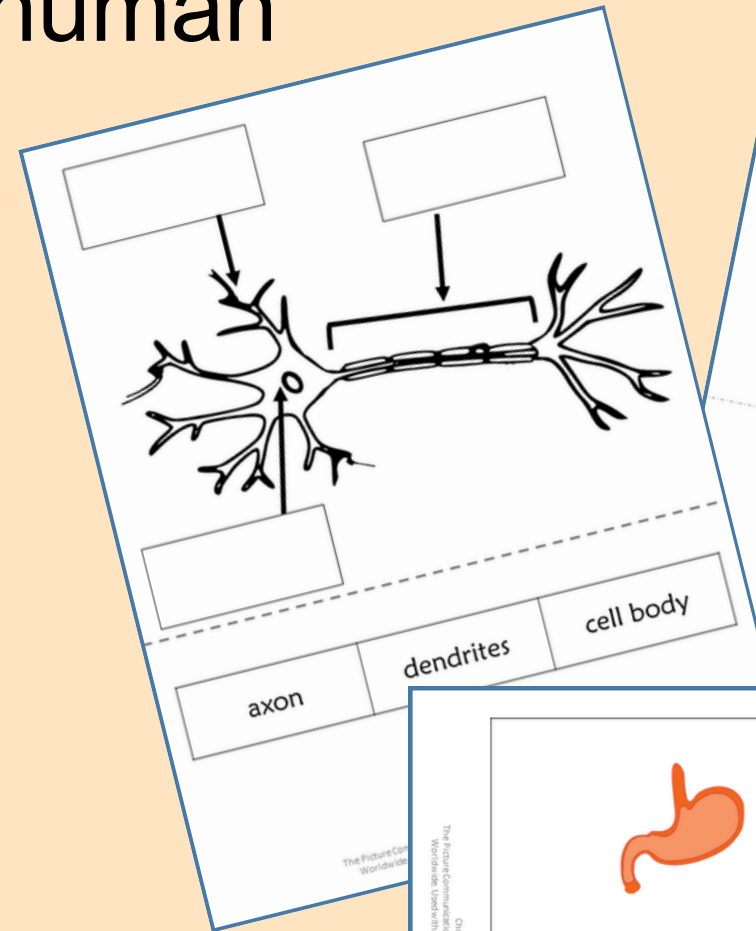
# Why Teachers Love This Curriculum

- ✓ **All-in-One Curriculum** – Covers 6 essential body systems in one place
- ✓ **Structured & Predictable** – Consistent layout reduces student anxiety
- ✓ **Standards-Aligned** – Built on extended learning standards
- ✓ **Saves Time & Money** – Print-and-go materials & ready-made lesson plans

# What is Included?

This curriculum covers **six** key human body systems:

- Cardiovascular System
- Skeletal System
- Nervous System
- Digestive System
- Muscular System
- Respiratory System

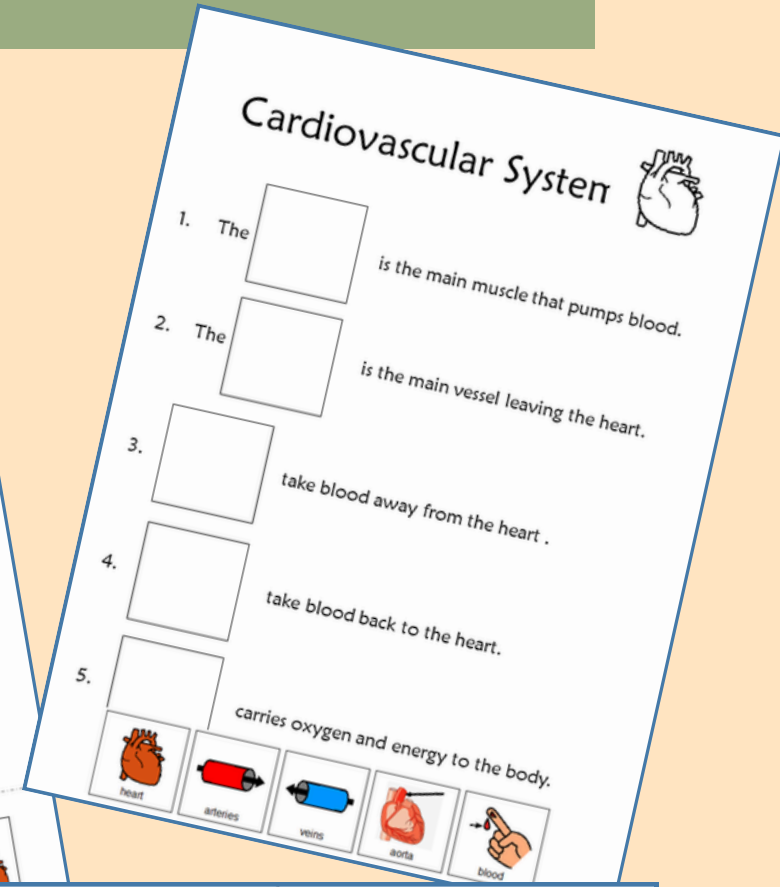
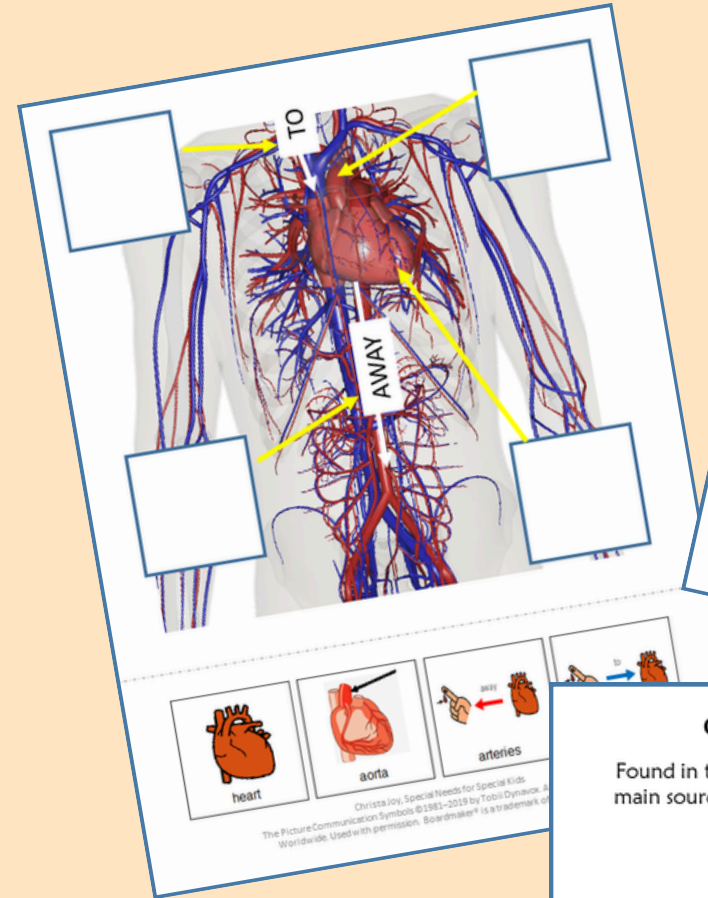



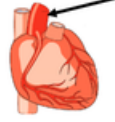


# What is Included?



## Cardiovascular System covers:

- heart
- vessels
- aorta
- arteries and veins
- heart-healthy diet



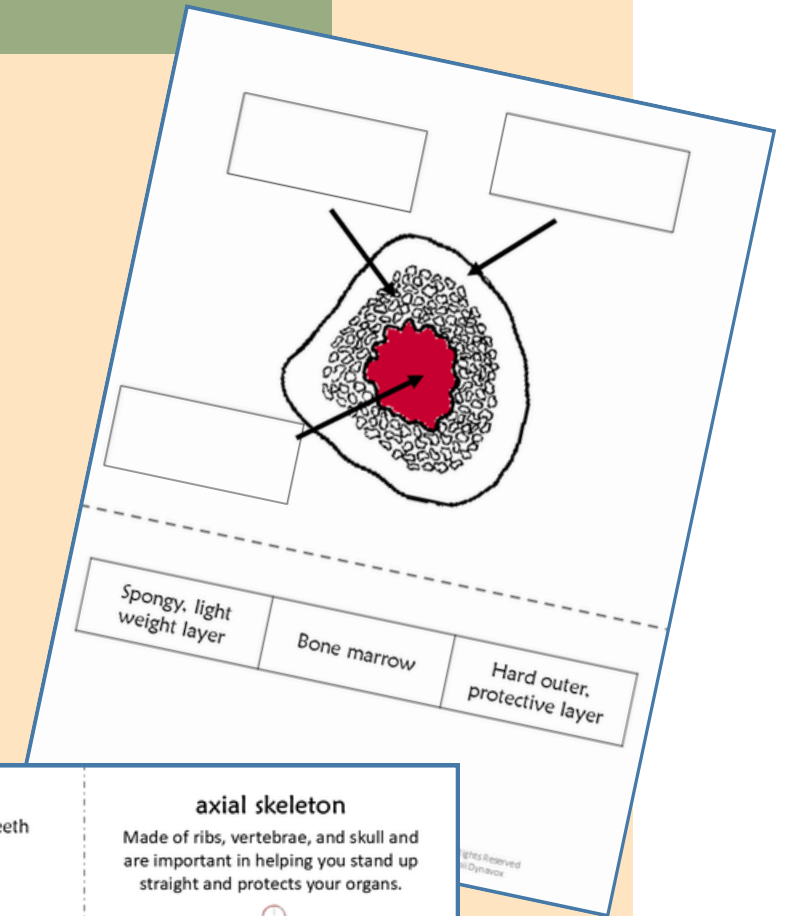
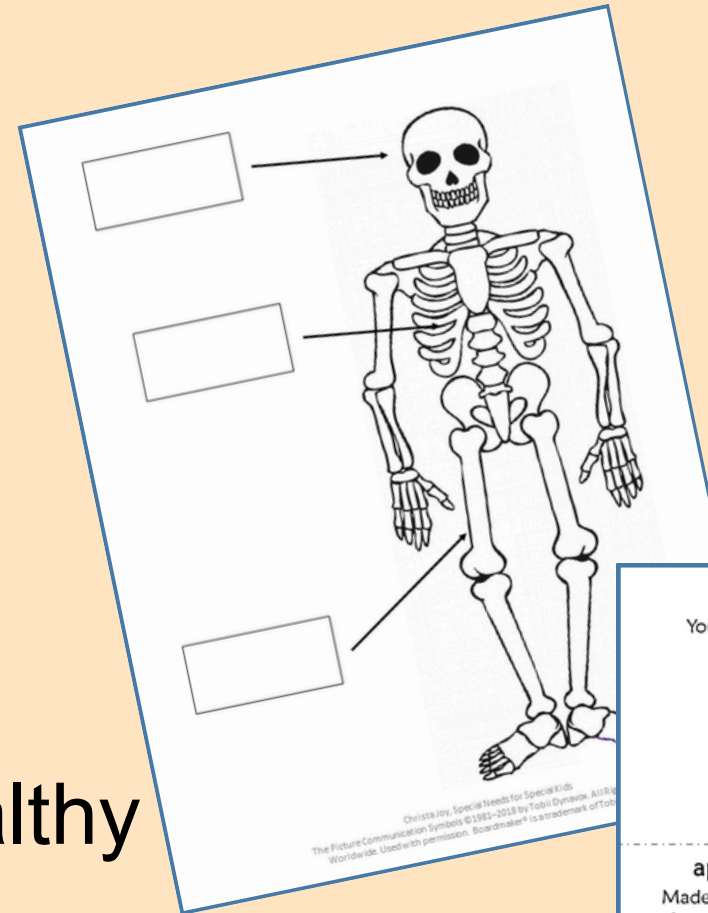
<p><b>oxygen</b></p> <p>Found in the blood and is the main source of energy for our body.</p> 	<p><b>aorta</b></p> <p>Main vessel, a large tube, that takes blood from the heart to the body</p> 
<p><b>arteries</b></p> <p>Vessels that take blood away from the heart to the rest of the body</p> 	<p><b>veins</b></p> <p>Vessels that take blood back to the heart from the rest of the body</p> 





# What is Included?



## Skeletal System covers:

- axial skeleton
- appendicular skeleton
- ligaments, tendons
- major bones
- joints
- how to keep bones healthy



<p><b>skeletal system</b> Your bones, ligaments and teeth make up this system.</p> 	<p><b>axial skeleton</b> Made of ribs, vertebrae, and skull and are important in helping you stand up straight and protects your organs.</p> 
<p><b>appendicular skeleton</b> Made up of bones in your arms, legs, hands and feet and help you move around.</p> 	<p><b>bone marrow</b> Jelly-like substance in the middle of the bone that makes red and white blood cells.</p> 

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# What is Included?



## Nervous System covers:

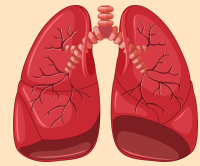
- central nervous system
- peripheral nervous system
- parts of brain
- neurons
- reflexes
- accessibility

The collage consists of several educational cards:

- Accessibility Grid:** A grid of photos showing various accessibility features like ramps, stairs, and wheelchair access. It includes icons for wheelchair access and a 'no wheelchair' sign.
- Brain Diagram:** A diagram of a brain with labels for 'cerebrum', 'cerebellum', and 'brain stem'. There are empty boxes for labeling.
- Cerebellum Card:**
  - cerebellum**
  - Part of the brain that helps you balance.
  - Illustration of the cerebellum.
- Brain Stem Card:**
  - brain stem**
  - Most important part of your brain that keeps your heart beating and lungs breathing.
  - Illustration of the brain stem.
- Hypothalamus Card:**
  - hypothalamus**
  - Part of brain that controls body temperature and tells you when you are thirsty and hungry.
  - Illustration of a brain with a speech bubble containing a glass of water.
- Endorphins Card:**
  - endorphins**
  - Chemicals released when you exercise that are good for your brain.
  - Illustration of a person exercising.

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# What is Included?



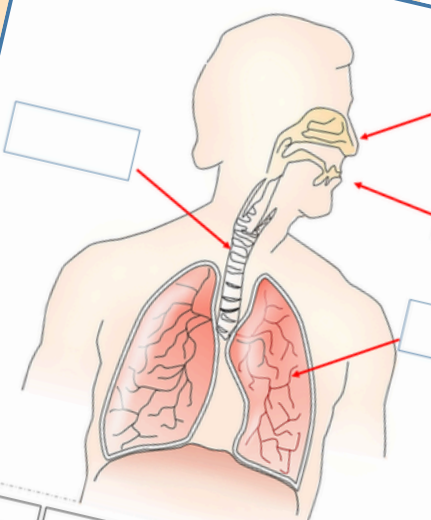
## Respiratory System covers:

- mouth and nose
- trachea
- lungs
- choking
- why smoking is so bad

Version 1

1. What is the name of system that delivers air in and out of our body?  
  
2. How does the air get in and out?  
  
3. What is the name of the hard tube in your neck that acts like a tunnel for air to pass through?  
  
4. What is the name of the respiratory organ in your chest?  
  
5. What is in the air that we need for energy?  
  



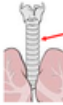

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nose    mouth    trachea    lungs

nose    mouth    trachea    lungs

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<p><b>respiratory system</b></p> <p>System in the body that delivers oxygen to the body through the act of breathing</p> 	<p><b>mouth &amp; nose</b></p> <p>How the body gets air in and out of the body</p> 
<p><b>trachea</b></p> <p>Hard tube in the neck that gets air from your mouth and nose to your lungs.</p> 	<p><b>lungs</b></p> <p>Large air sacs in your chest that take the oxygen from the air and deliver it into the blood</p> 

# What is Included?



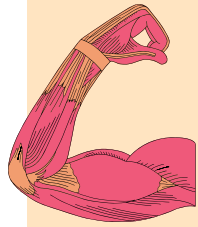
## Digestive System covers:

- how food breaks down
  - mechanical
  - chemical
- nutrients
- stomach
- intestines
- when you feel nauseous

<b>chemical process</b> Acids and enzymes dissolving and breaking food down into very small parts. 	<b>acid</b> Very strong chemical in the stomach that dissolves and breaks down food. Also kills germs and bad bacteria. 
<b>nutrients</b> Substances extracted from the food you eat that gives your body energy. 	<b>esophagus</b> Tube in your throat made from muscle that connects your mouth to your stomach. It moves food by squeezing it. 

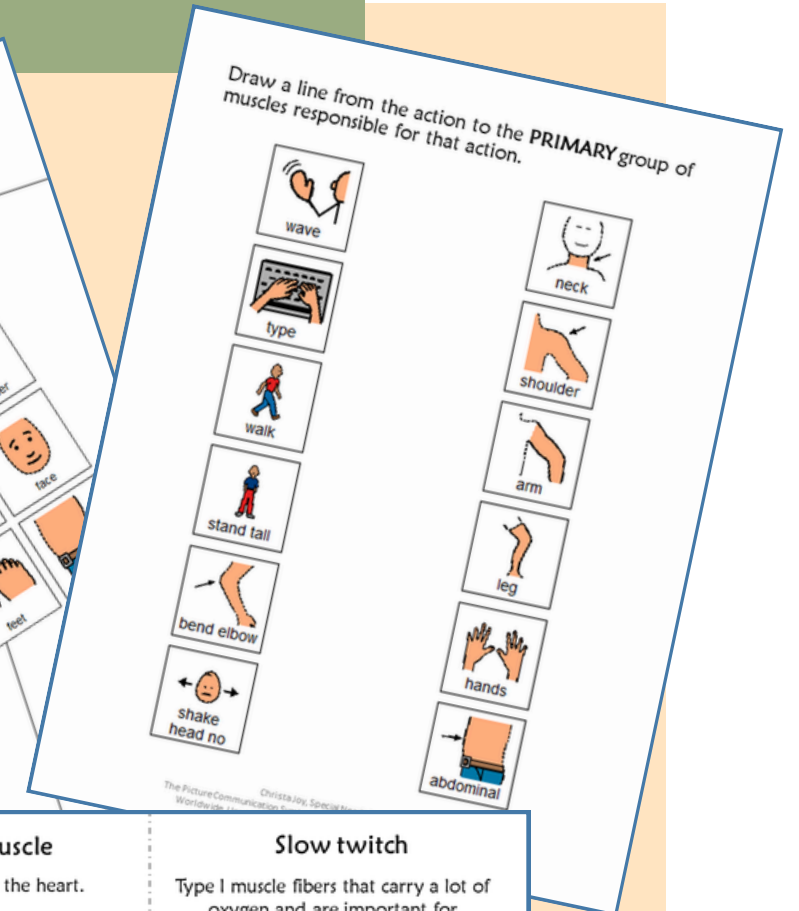
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# What is Included?



## Muscular System covers:

- skeletal muscles
- smooth muscles
- fast and slow twitch muscles
- voluntary and involuntary muscles
- cramps, sprains
- how to avoid injury



<p><b>cardiac muscle</b> Muscles found in the heart.</p> 	<p><b>Slow twitch</b> Type I muscle fibers that carry a lot of oxygen and are important for endurance. like a long hike.</p> 
<p><b>Fast twitch</b> Type II muscle fibers that have less oxygen and are important for strong, quick movements like a sprint or lifting weights.</p> 	<p><b>tendon</b> Strong cord or band that connects a muscle to a bone.</p> 


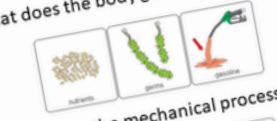
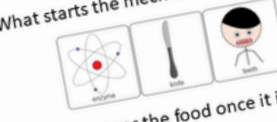

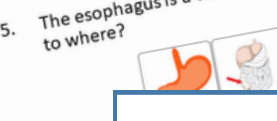
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# What's Included?

## Each unit has:

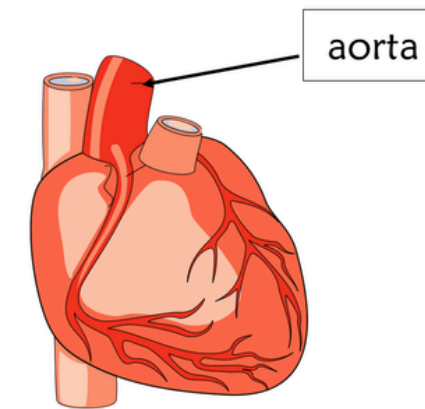
- Detailed lesson plans
- Engaging PowerPoints to teach concepts
- Vocabulary cards
- Group activities
- Practice worksheets
- Assessments
- Printable and digital formats

Version 1

1. What is the name of system that breaks down the food you eat?  

2. What does the body get from the food?  

3. What starts the mechanical process of digestion?  

4. What moistens the food once it is in the mouth?  

5. The esophagus is a tub that takes food from the  
to where?  


Day 2		
Activity	Notes	Materials
Read or listen to a recording of the book (15 minutes)	<ul style="list-style-type: none"> <li>• Read through the story, asking lots of questions</li> <li>• Continue to make connections between book and vocabulary board</li> </ul>	<ul style="list-style-type: none"> <li>• Book</li> <li>• Vocabulary board</li> </ul>
Vocabulary cards I Spy Game (10 minutes)	<ul style="list-style-type: none"> <li>• I play this game, or variations of it the first few days <ul style="list-style-type: none"> <li>○ 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</li> </ul> </li> <li>• 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</li> <li>• Discuss relevant points on the card <ul style="list-style-type: none"> <li>○ You can also play this game in this manner having them find the symbol on their vocabulary board</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Vocabulary cards (student set and teacher set)</li> <li>• Vocabulary board</li> </ul>
Circle map review (5 minutes)	<ul style="list-style-type: none"> <li>• Review the circle map completed yesterday</li> </ul>	<ul style="list-style-type: none"> <li>• Circle map completed yesterday</li> </ul>
Labeling activity (10 minutes)	<ul style="list-style-type: none"> <li>• Do the labeling activity</li> <li>• Use the version best for your students (word or pictures)</li> <li>• For students who need more support, add color-coding</li> <li>• Make connections to the book as necessary</li> </ul>	<ul style="list-style-type: none"> <li>• Labeling activity</li> <li>• Scissors</li> <li>• Glue</li> </ul>
		<ul style="list-style-type: none"> <li>• Completed activity</li> <li>• Communication devices</li> </ul>

There is one main way the blood gets out of the heart, through the aorta.

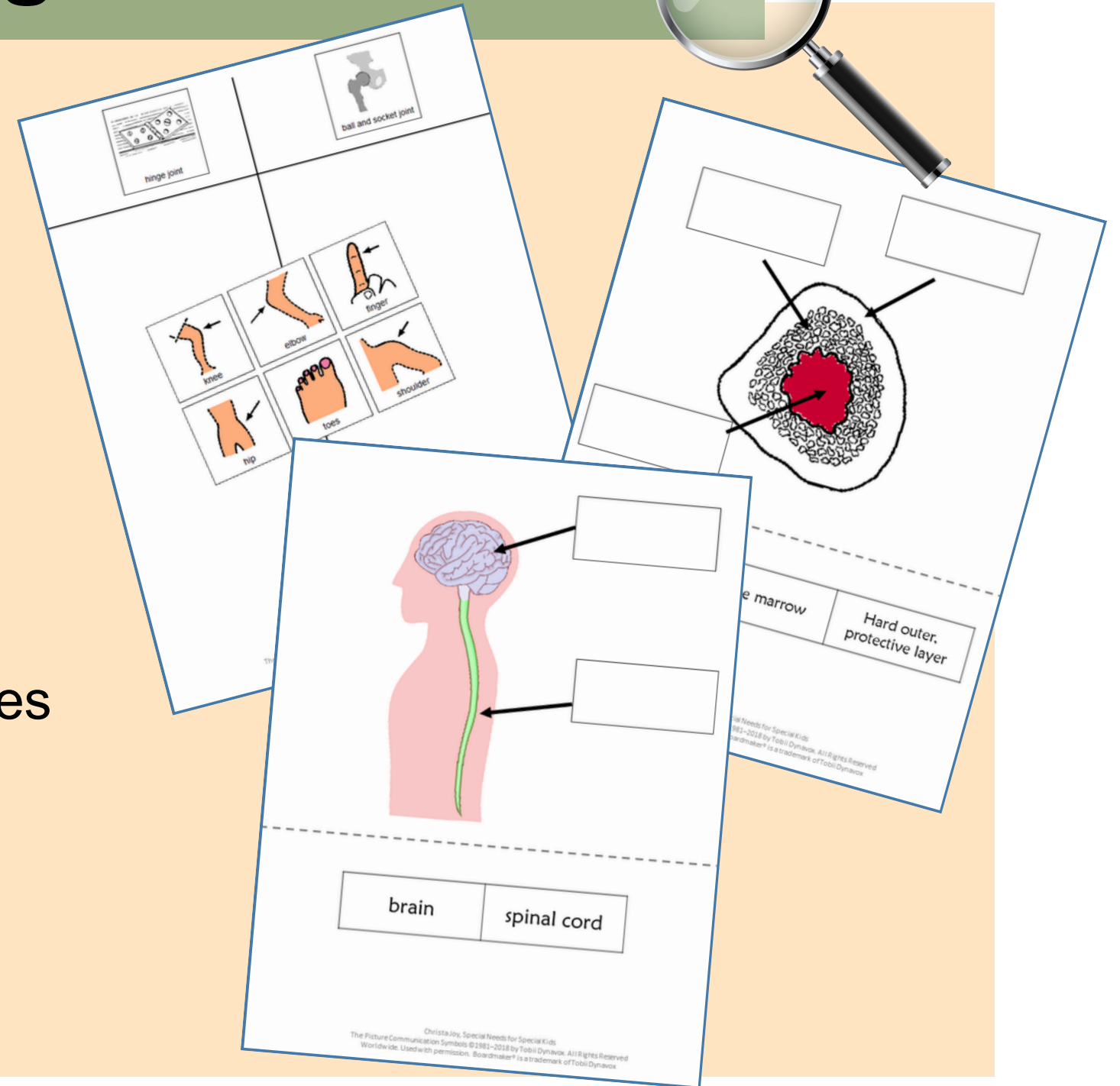


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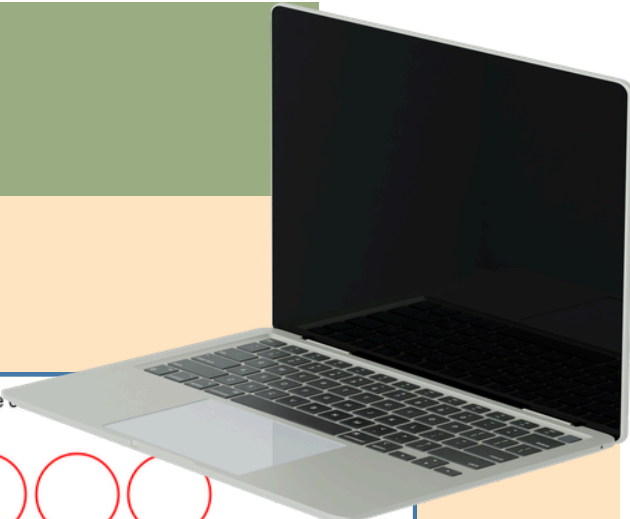
# A Few Things to Notice



- Cohesive curriculum
- Created and used by a teacher
- All you need in one place
- Errorless activities included
- Differentiated
- Uncluttered to minimize distraction
- Evidence-based strategies and activities
- Answer keys included



# Digital Activities



- Provide extra practice
- Great independent work centers
- Include a differentiated set of slides with color coding for more support
- Click and drag

1. What is the name of system that breaks down the food you eat? Circle the correct answer.

2. What does the body get from the food?

3. What starts the mechanical process of digestion?

4. What moistens the food once it is in the mouth?

5. The esophagus is a tube that takes food from the mouth to where?

Label the parts of the digestive system.

small intestine

esophagus

stomach

mouth

large intestine

Place the following in the circle map about the nervous system.

peripheral nervous system

brain

hypothalamus

cerebrum

brain stem

think

move

central nervous system

neurons

spinal cord

endorphins

feelings

reflex

cerebellum

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# What Teachers Are Saying

This resource is highly engaging, and students are having a great time. They are also looking forward to each new body system in the body!

Great resource to support the general education biology class that my students attend. The lessons and activities included help students access the information being taught.

**Still have questions?**

**Reach out at [specialneedsforspecialkids@gmail.com](mailto:specialneedsforspecialkids@gmail.com)**

**I will answer your question personally and promptly.**



*Christa Joy, M.Ed., DVM*