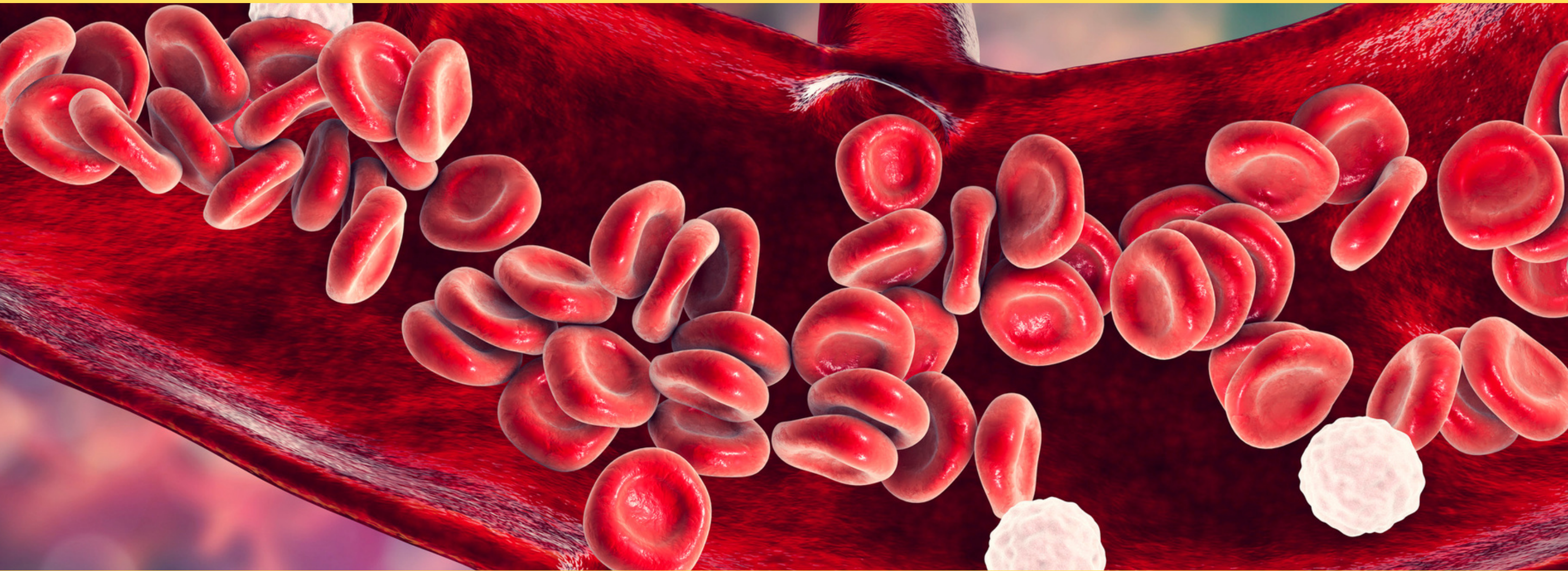


CIRCULATORY SYSTEM



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*

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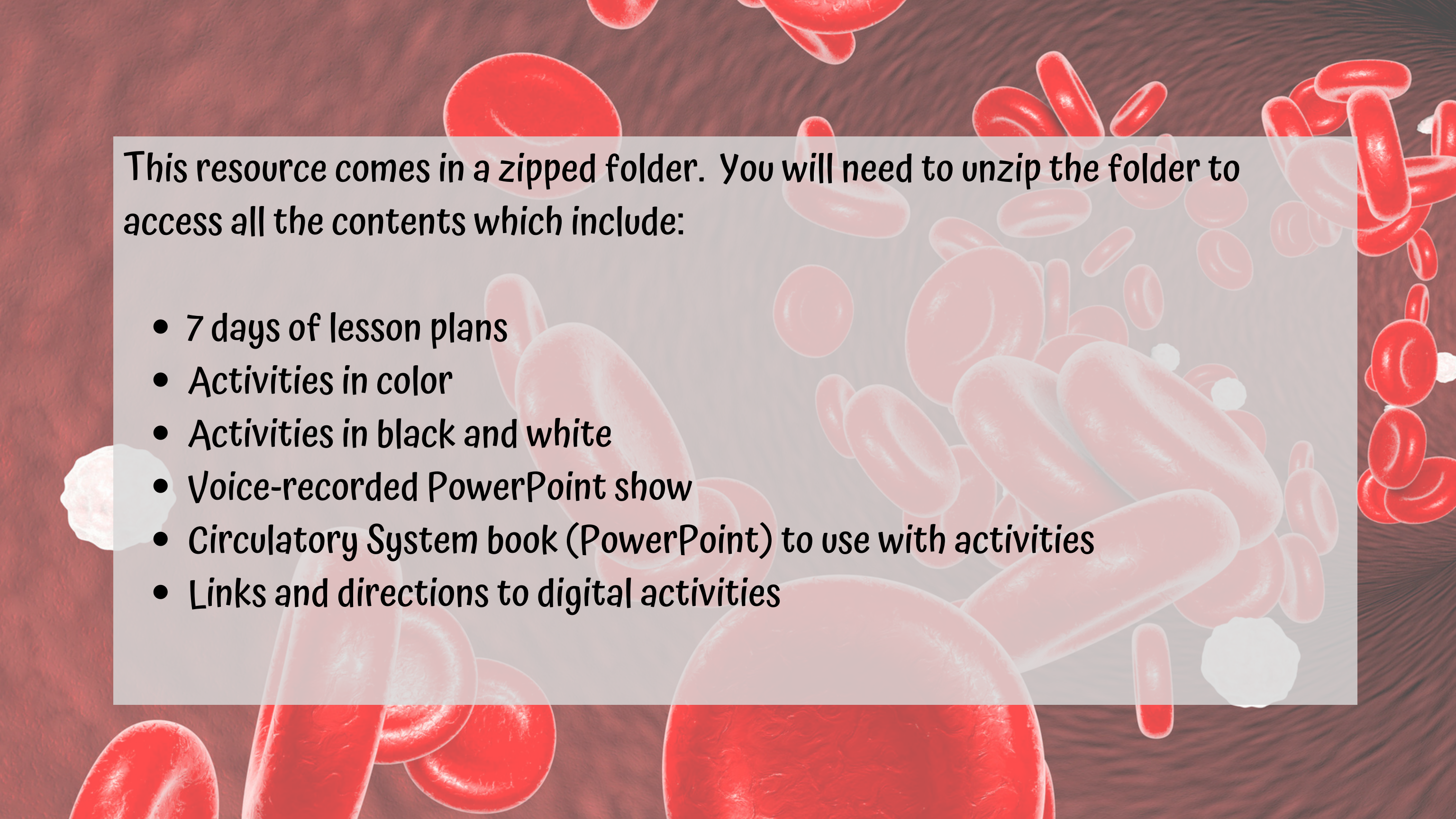
Pages	Activity
4-5	Vocabulary board
6-10	Vocabulary cards
11-22	Vocabulary cut and paste
23-26	Circle maps
27-31	Matching activities
32-42	Sequencing how blood flows
43-44	Vocabulary Word Search
45-51	Vocabulary Sudoku
52-56	Cloze worksheets
57-67	Assessment
68-69	Terms of Use

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 **7 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.



This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- **7 days of lesson plans**
- **Activities in color**
- **Activities in black and white**
- **Voice-recorded PowerPoint show**
- **Circulatory System book (PowerPoint) to use with activities**
- **Links and directions to digital activities**

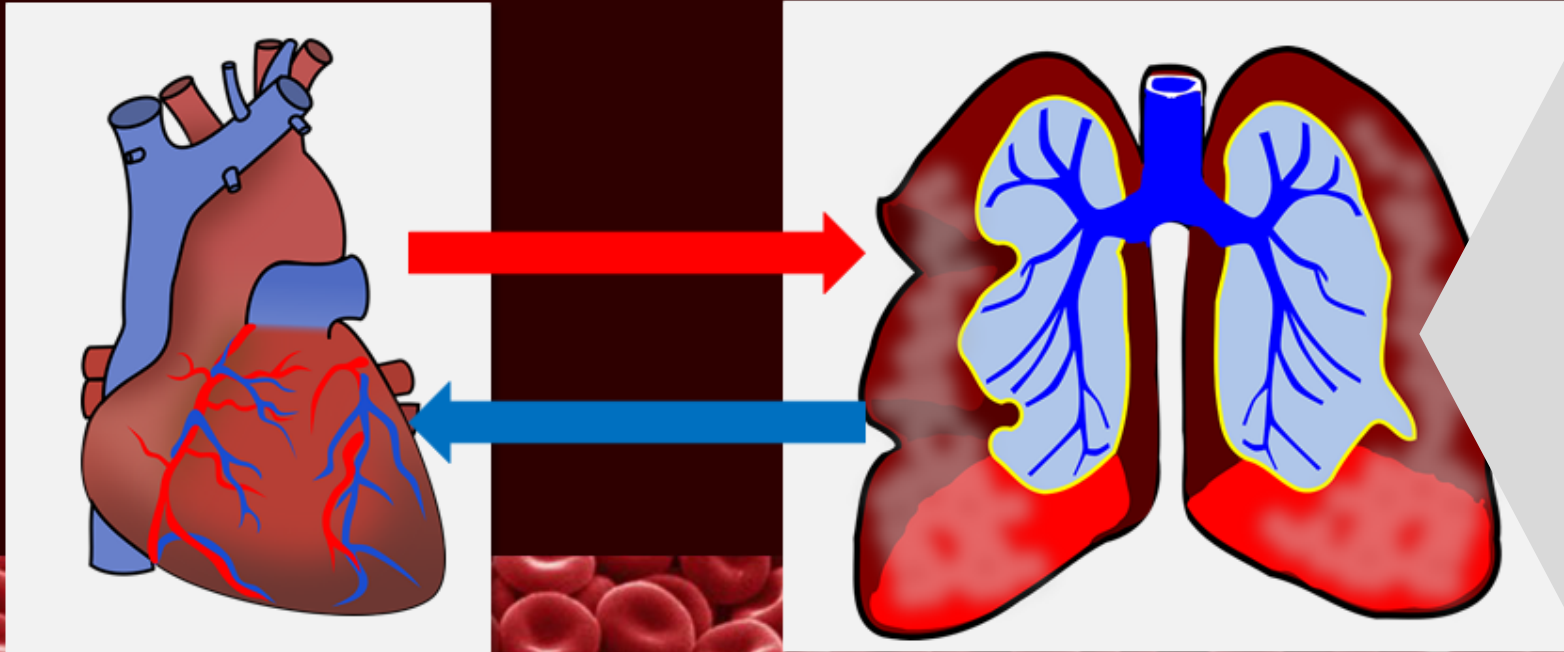
Day 4

Activity	Notes	Materials
Read or listen to a recording of the book (10 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and vocabulary board	<ul style="list-style-type: none">• Book• Vocabulary board
Vocabulary cards Puzzle Game (10 minutes)	<ul style="list-style-type: none">• Give each student a pile of pieces• Have them reassemble the pieces into the correct symbols• They may have to ask each other if someone else has the second half to a piece they have. Great for increasing communication and sharing.	<ul style="list-style-type: none">• Vocabulary cards (set where each card is cut in half)•
Matching review (5 minutes)	<ul style="list-style-type: none">• Review the matching activity completed yesterday	<ul style="list-style-type: none">• Circle map completed yesterday
Sequencing Activity (10 minutes)	<ul style="list-style-type: none">• Do the sequencing activity on how blood flows• Choose the best level for your student.• There are color coded versions are included.• Make connections to the book as necessary	<ul style="list-style-type: none">• Sequencing activities• Scissors• glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their finished worksheet with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed worksheet• Communication devices

There is a detailed lesson plan with:

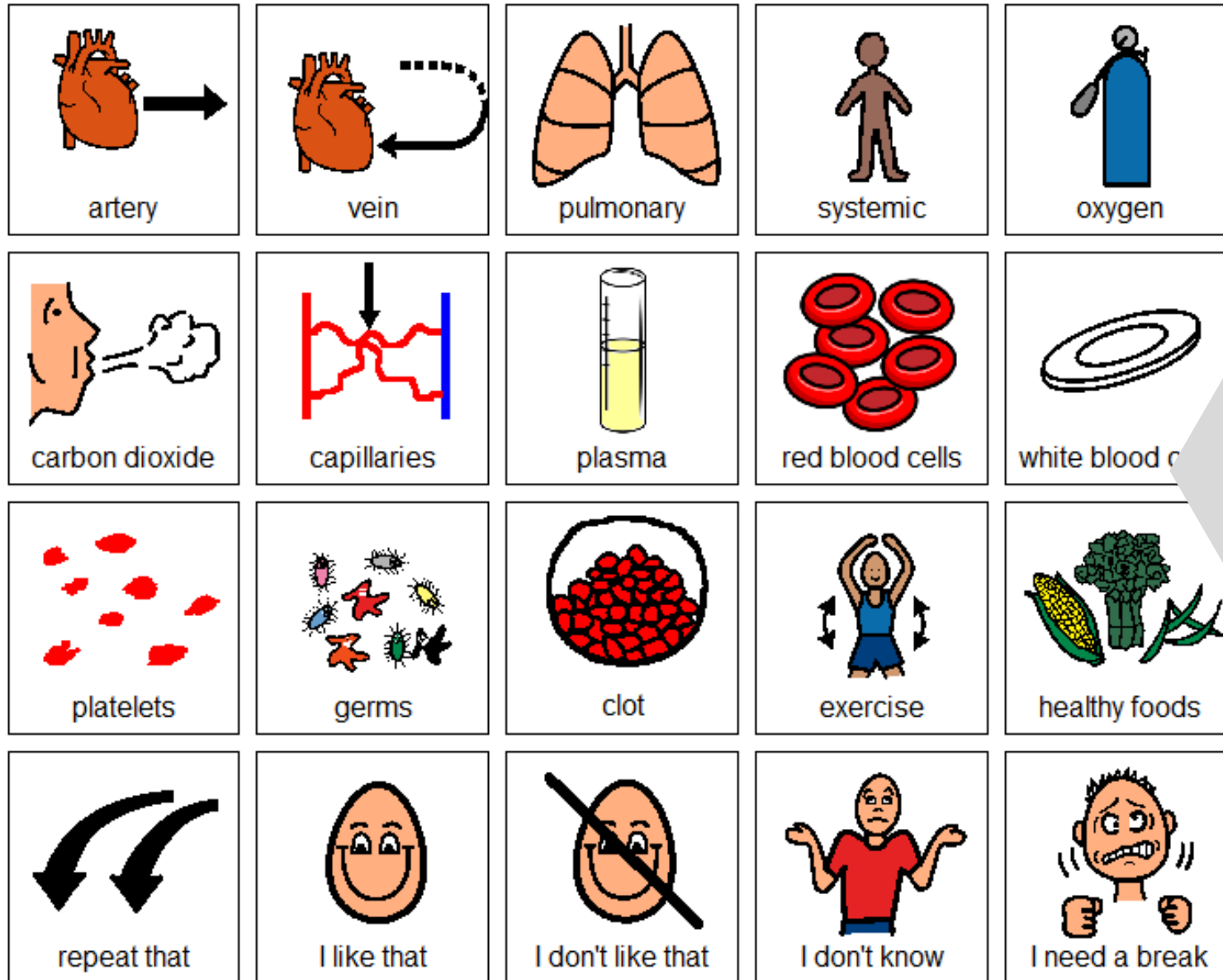
- suggestions
- overview
- daily step-by-step guide

There are 2 main circulatory systems in your body. **Pulmonary circulation** is a loop that goes from your lungs to your heart then back to the lungs.



This unit contains a 35 page book with simple text.

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.



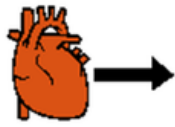
This unit comes with a vocabulary board.

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

Tips on how to use in the unit!!

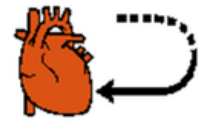
arteries

Vessels that take blood full of oxygen away from the heart to the rest of the body.



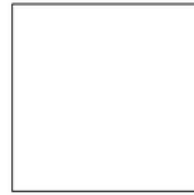
veins

Vessels that take blood full of carbon dioxide back to the heart.



arteries

Vessels that take blood full of oxygen away from the heart to the rest of the body.



veins

Vessels that take blood full of carbon dioxide back to the heart.



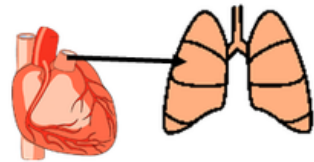
pulmonary circulation

Loop that goes from the heart to the lungs and back to the heart again.



pulmonary artery

Main vessel that goes from the heart to the lungs.



pulmonary circulation

Loop that goes from the heart to the lungs and back to the heart again.



pulm

Main vessel

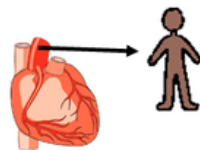
This unit comes with 16 vocabulary cards.

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

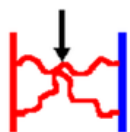
systemic circulation



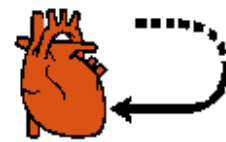
aorta



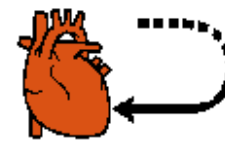
capillaries



plasma



veins



veins



homeostasis



red blood cells



red blood cells



red blood cells

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

The diagram illustrates a concept map for the circulatory system. It features a grid of 10 icons in two rows, a central circle map, and a second grid of 15 icons below.

Top Grid (10 icons):

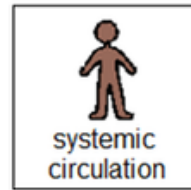
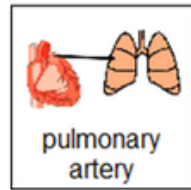
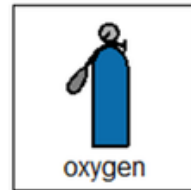
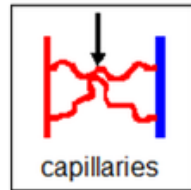
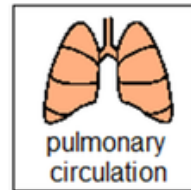
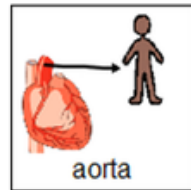
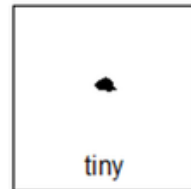
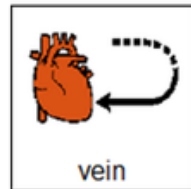
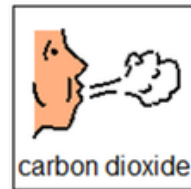
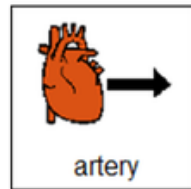
- artery (heart with arrow pointing right)
- vein (heart with arrow pointing left)
- pulmonary circulation (lungs)
- systemic circulation (stick figure)
- heart (heart)
- capillaries (red and blue vessels)
- plasma (test tube with yellow liquid)
- red blood cells (red discs)
- white blood cells (white disc)
- platelets (red dots)

Circle Map: A central circle map showing the heart, lungs, and a stick figure connected by red and blue lines representing blood flow.

Bottom Grid (15 icons):

- artery (heart with arrow pointing right)
- vein (heart with arrow pointing left)
- pulmonary circulation (lungs)
- fingernail (fingernail)
- heart (heart)
- capillaries (red and blue vessels)
- teeth (teeth)
- red blood cells (red discs)
- white blood cells (white disc)
- platelets (red dots)
- wink (eye)
- plasma (test tube with yellow liquid)
- listen (ear)
- systemic circulation (stick figure)
- angry (angry face)

Draw a line and match the picture with on the left with something it is associated with on the right.

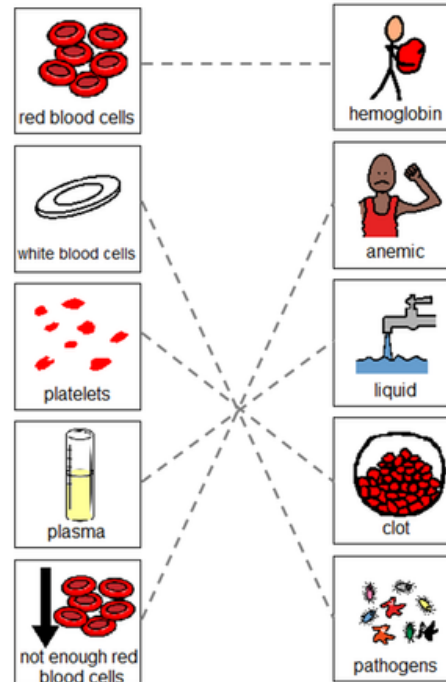


Christa Joy, Special Needs for Special Kids

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There are 2 matching activities. Each activity comes in a differentiated form with dashed lines for students to trace.

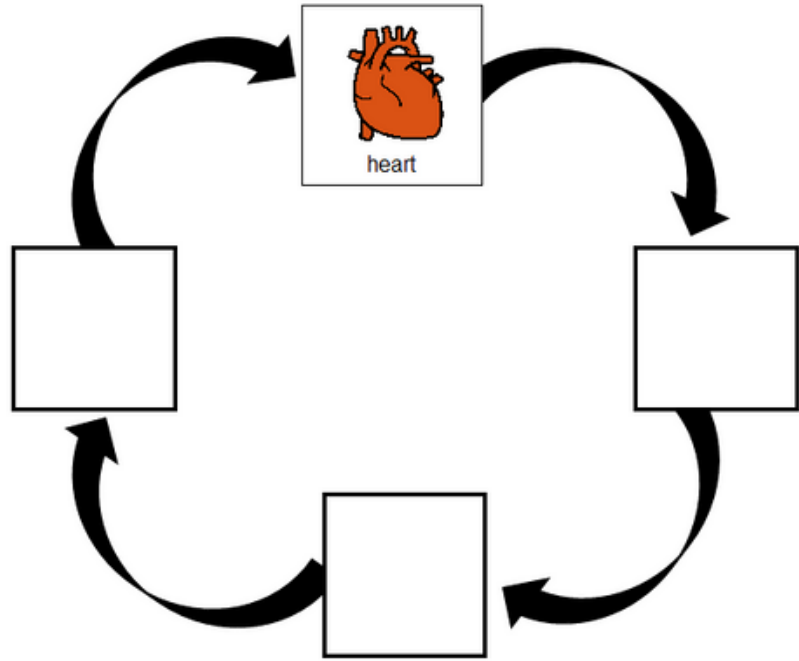
Draw a line and match the picture with on the left with something it is associated with on the right.



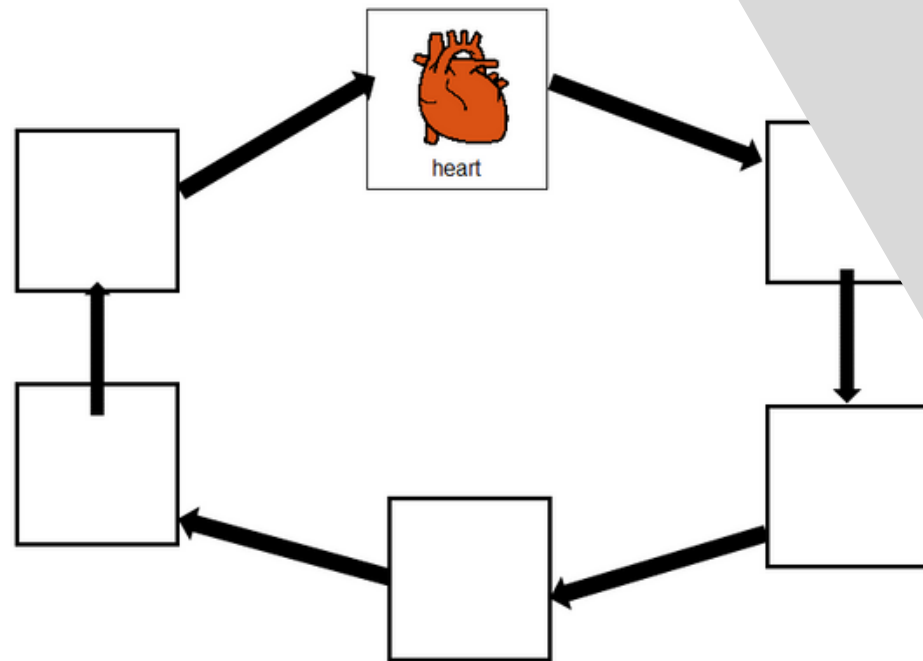
Christa Joy, Special Needs for Special Kids

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Use the pictures on the last page to finish the sequence of how your blood flows through the body.


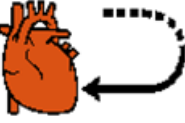

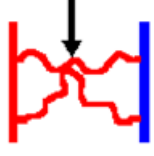

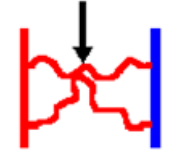
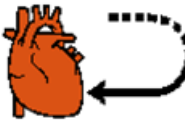
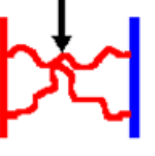

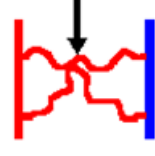


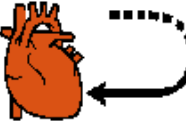
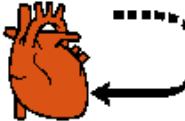




to finish the sequence of how you



There is a sequencing activity to show how blood flows from the heart, through the body and back to the heart again. There are 3 levels.

Circulatory System

 red blood cells	 veins	 homeostasis	 capillaries
 homeostasis	 capillaries		 veins
		 capillaries	 homeostasis
 capillaries			

 veins	 veins	 homeostasis
 red blood cells	 red blood cells	 red blood cells

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.

Circulatory System

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

circulation	capillaries	homeostasis	hemoglobin
pulmonary	systemic	platelets	pathogen
plasma	artery	anemic	aorta
lungs	vein	clot	

Circulatory System

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

circulation	capillaries	homeostasis	hemoglobin
pulmonary	systemic	platelets	pathogen
plasma	artery	anemic	aorta
lungs	vein	clot	

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.

The Circulatory System

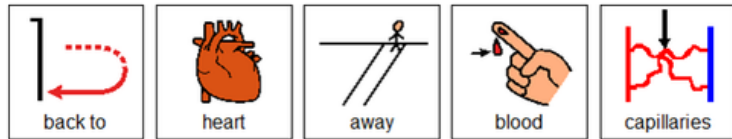
1. The is the primary organ in the circulatory system.

2. The carries oxygen and nutrients to the tissues and cells.

3. The arteries move the blood from the heart and towards the body.

4. The veins move blood to the heart.

5. connect arteries and veins and transfer things back and forth.



The Circulatory System

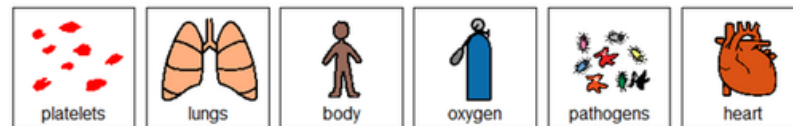
6. Red blood cells carry to the rest of the body.

7. White blood cells fight off .

8. form clots and help to stop bleeding.

9. Pulmonary circulation is a loop from the to .

10. Systemic circulation goes from the heart to the rest of the .

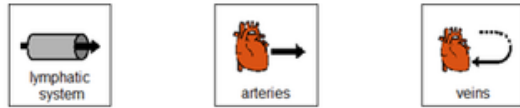


Close worksheet are a great informal assessment. This unit has 10 questions that review the circulatory system.

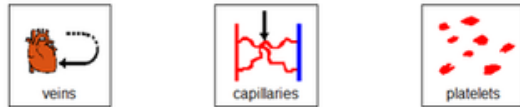
Answer key included.

Version 1

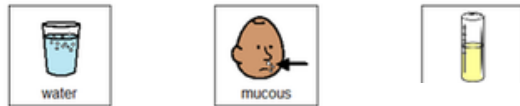
1. Blood moves away from the heart in the:



2. Blood comes back to the heart in the:



3. What is the liquid portion of blood called?



4. What type of cell primarily carries oxygen?



5. What type of cell is responsible for fighting off disease?

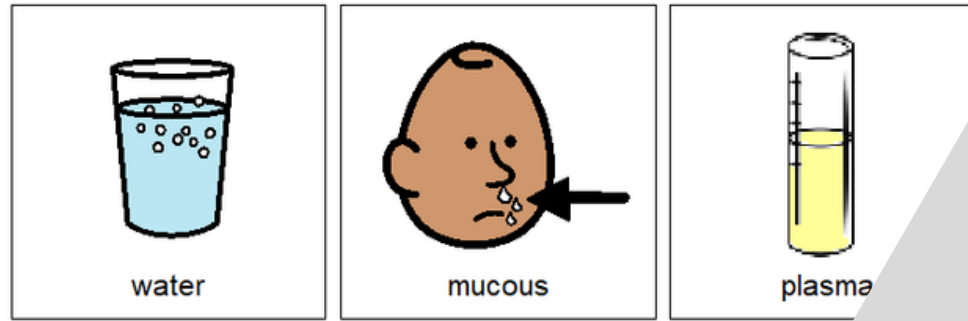


- Blood moves away from the heart in the:
 - Lymphatic system
 - Arteries
 - Veins
- Blood comes back to the heart in the:
 - Veins
 - Capillaries
 - Platelets
- What is the liquid portion of blood called?
 - Water
 - Mucous
 - Plasma
- What type of cell primarily carries oxygen?
 - Red blood cells
 - White blood cells
 - Platelets
- What type of cell is responsible for fighting off disease?
 - Platelets
 - Red blood cells
 - White blood cells
- What do platelets form to stop bleeding?
 - Hemoglobin
 - Clot
 - Bandaid

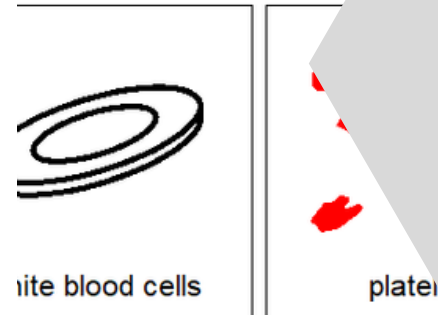
Version 2

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

Q 3



Version 3



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 Circulatory
System

Red blood cells are produced in the bone marrow. They are shaped like a shallow bowl, and they change shape as they squeeze through small blood vessels.



Christa Walz, Special Needs for Special Kids

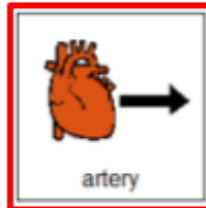
This unit also includes digital versions of the activities.

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

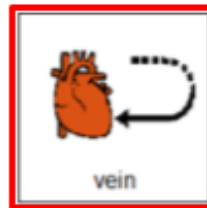
Use for more review.



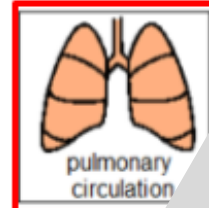
Place the pictures in the circle map about the circulatory system.



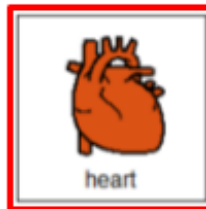
artery



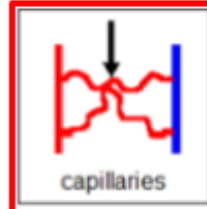
vein



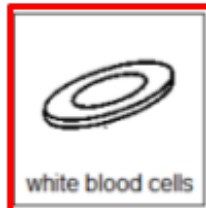
pulmonary circulation



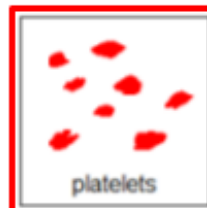
heart



capillaries



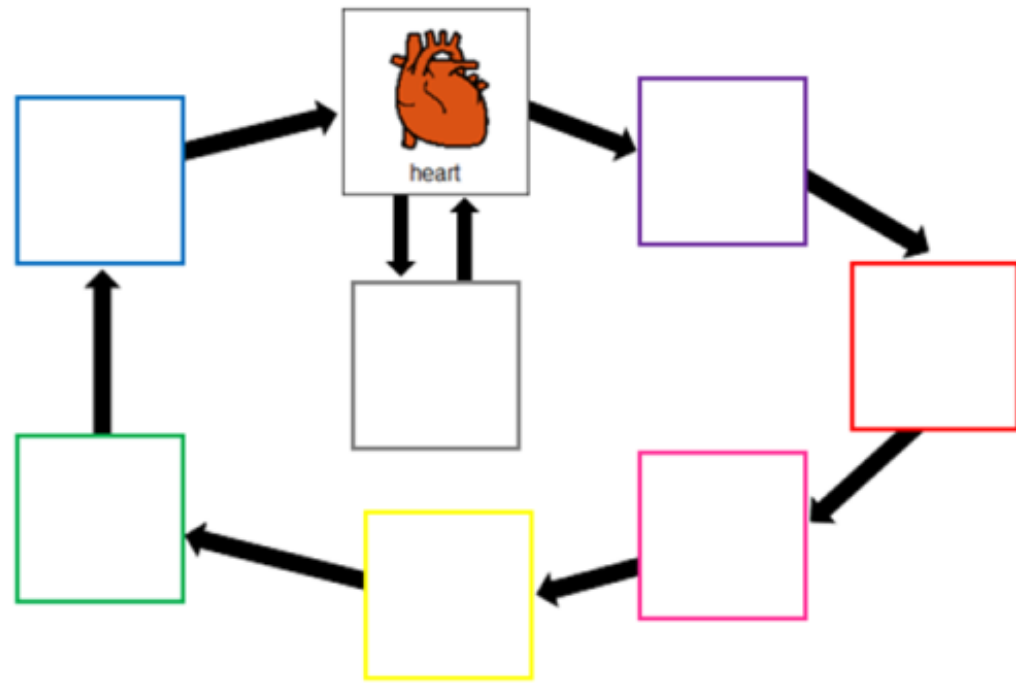
white blood cells



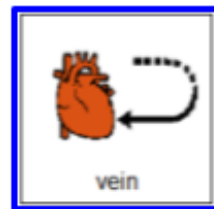
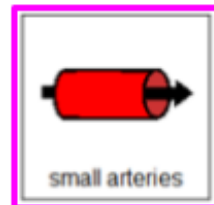
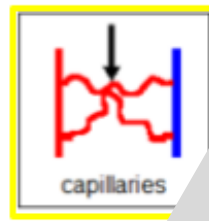
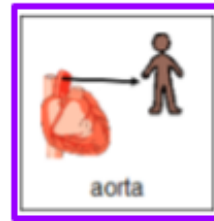
platelets

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

Perfect for any learning level.



Sequence of how your blood flows through the body.



ChristaJoy, Special Needs for Special Kids
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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.