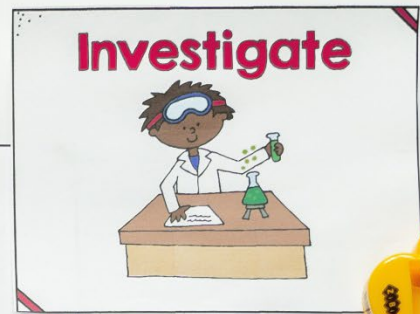
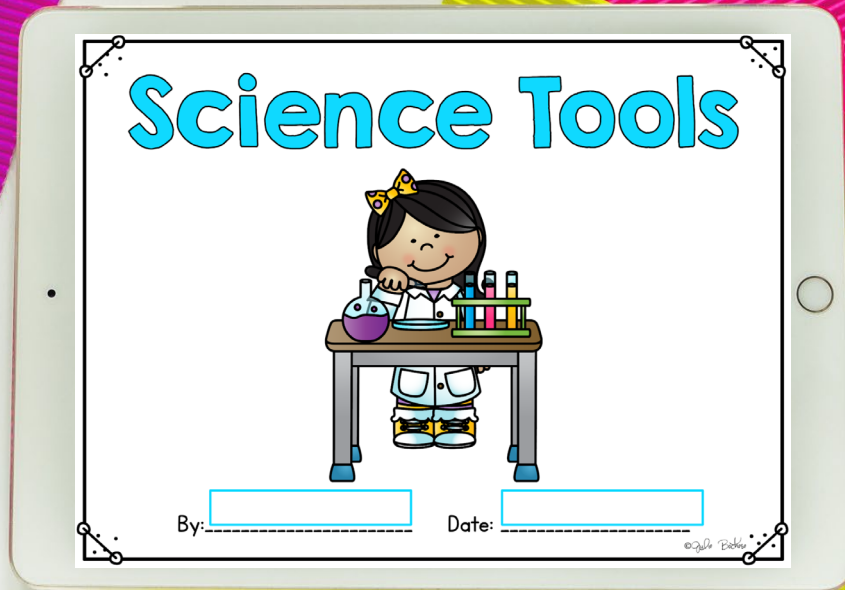
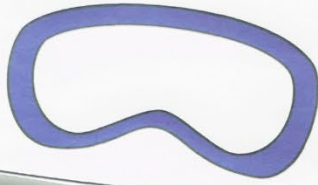


Science: Science Tools

1st & 2nd Grade
Print & Digital



Safety
Goggles



Ruler



Graduated
Cylinder



Science
Tools

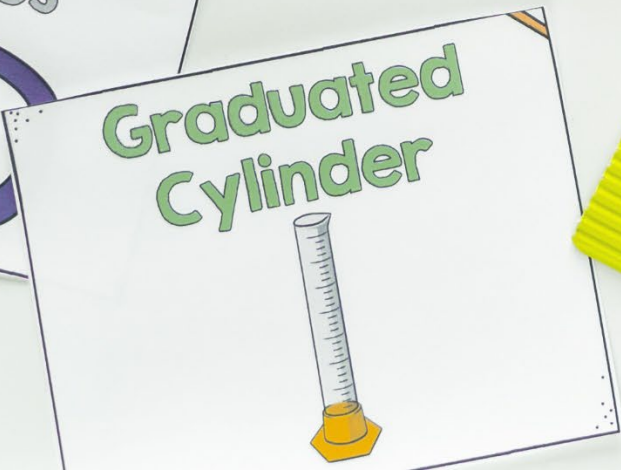
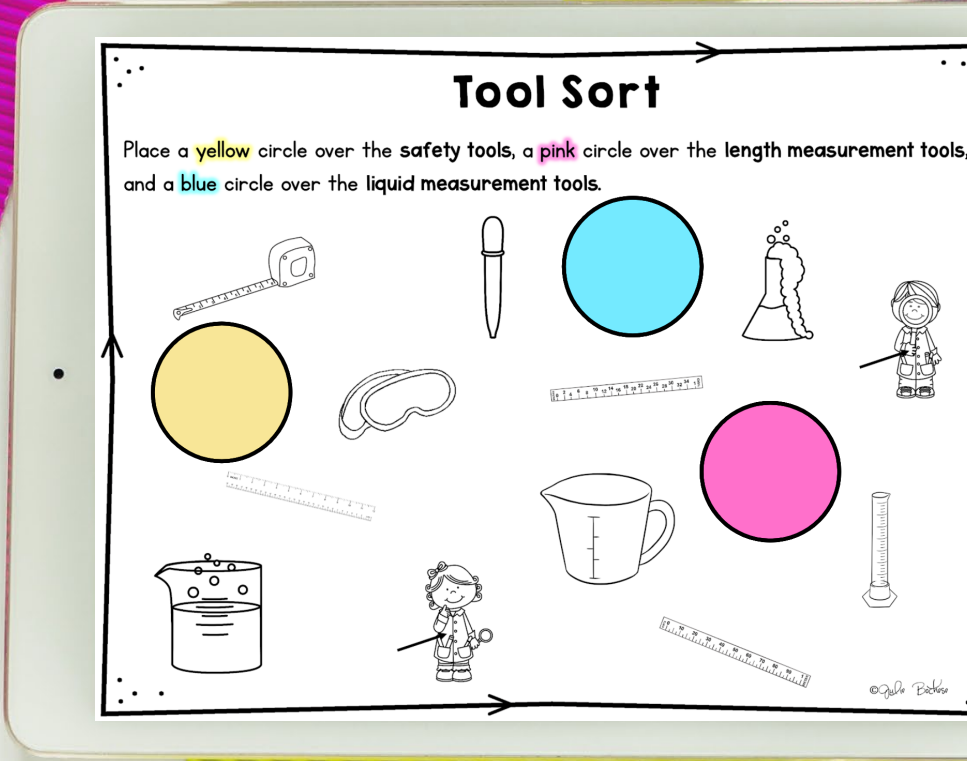
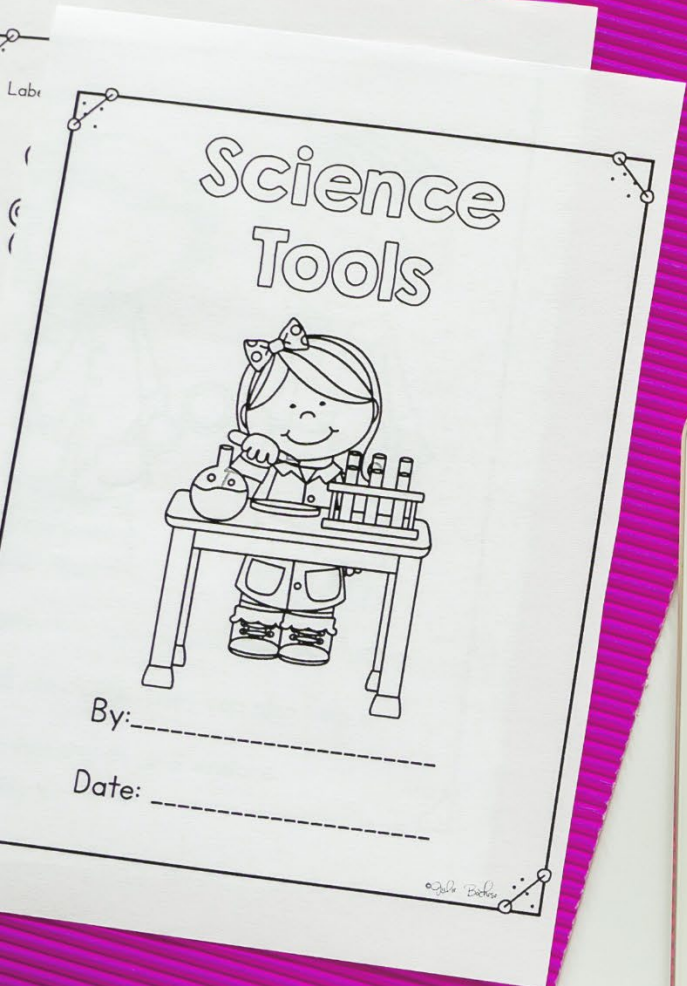
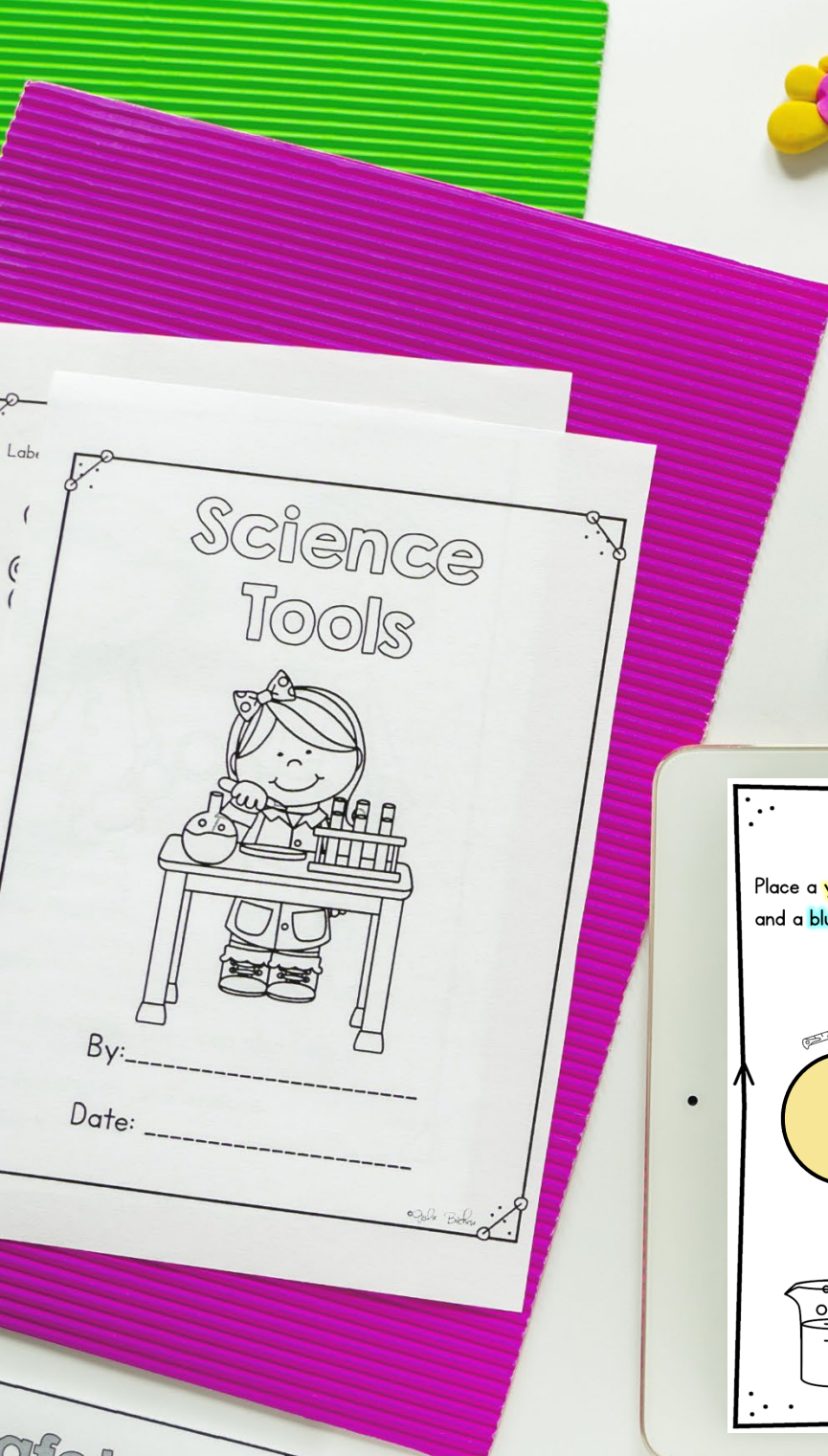


By: _____

Date: _____

Investigate





Length Measurement Tools


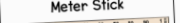


Objective: to understand how and when to use length measurement tools

Materials: ruler, yardstick, meter stick, measuring tape

Procedure:

1. Observe each length measurement tool. Record what you notice about the units of each tool and how large each tool is.
2. Measure each object with the appropriate tool.
3. Check your work with another group. If you both have different answers, recheck your measurements together.

Observe:

	Ruler 	Meter Stick 	Yardstick 	Measuring Tape 
Units				
Size (large, medium or small tool)				
Other observations				
Types of things you would measure with tool				

©2016 Baker

Observation Tools

Objective: to understand how to use a hand lens or microscope

Materials:

scope

Observed:

Obs
Re

Drawing Conclusions:

I discovered that scientists use hand lens' or micro

I may use a microscope or hand lens when...

Reflections: What questions do you have? What do you wonder? What you would want to do differently?



What is Included?



Google Slides
Versions

Vocabulary
Cards



3 Labs/
Explorations



Name: _____ Date: _____

length measurement tools

Objective: to understand how and when to use length measurement tools

Materials: ruler, yardstick, meter stick, measuring tape

Procedure:

1. Observe each length measurement tool. Record what you notice about the units of each tool and how large each tool is.
2. Measure each object with the appropriate tool.
3. Check your work with another group. If you both have different answers, recheck your measurements together.

Ruler	Meter Stick	Yard Stick	Measuring Tape

Student
Book

science
tools



By: Julie Bachese
9/11

Quiz

safety
TOOLS

Liquid
Measurement
TOOLS

Length
Measurement
TOOLS

Sorting Activity

SCIENCE TOOLS

● ● ● ● Table of Contents ● ● ● ●

1. Teacher Pages with Video Resource
Instructions Worksheets (4 pgs.)
2. Brainstorm Blocks (1 pg.)
3. Vocabulary Cards (4 pgs.)
4. Science Tools Book (11 pgs.)
5. Science Tools Sort (2 pgs.)
6. Exploration: Length Measurement Tools (3 pgs.)
7. Exploration: Observation Tools (2 pgs.)
8. Exploration: Liquid Measurement Tools (2 pgs.)
9. Science Tools Compare and Contrast (3 pgs.)
10. Science Safety Web (1 pg.)
11. Science Tools Quiz (1 pg.)



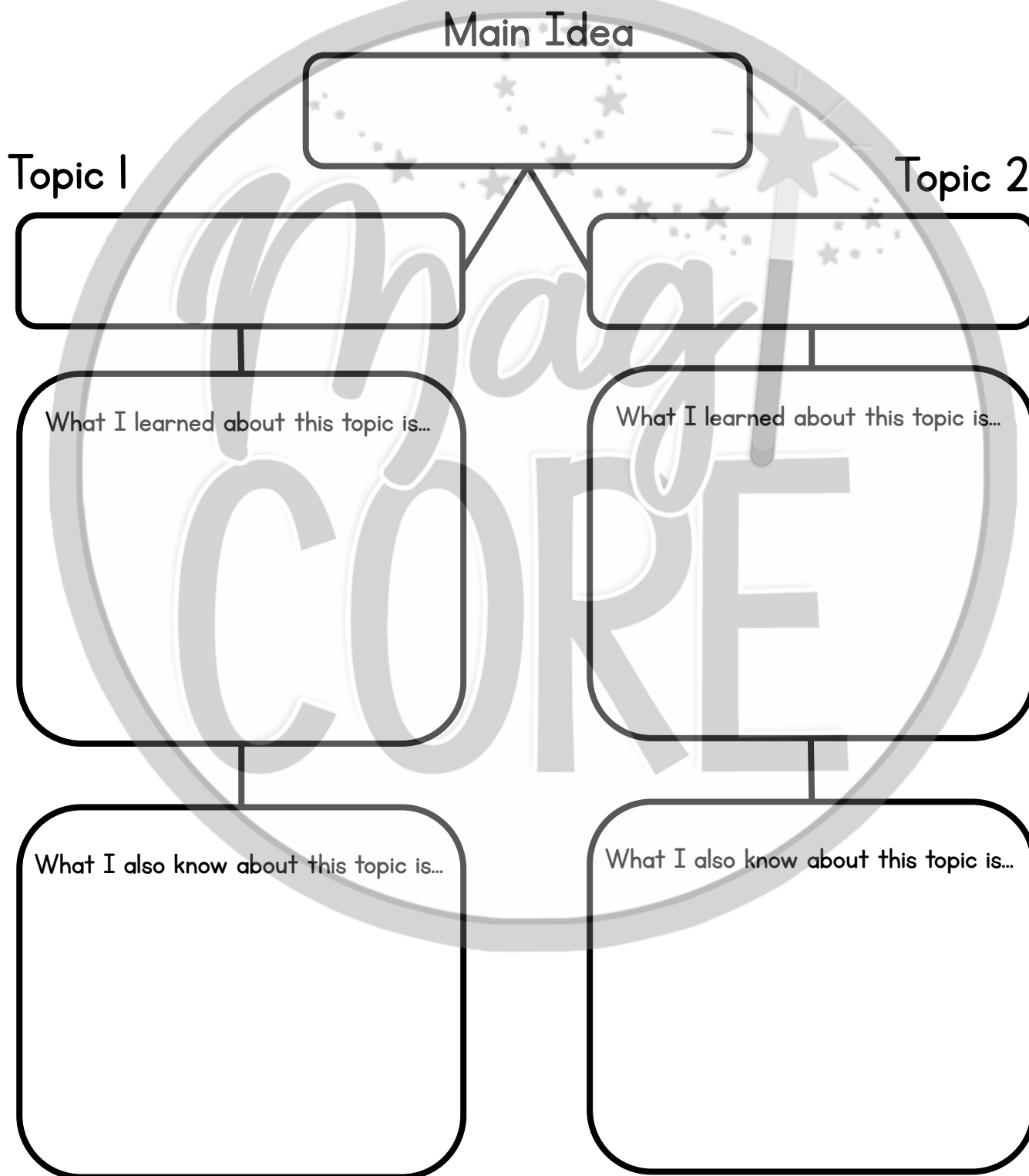
Name: _____ Date: _____



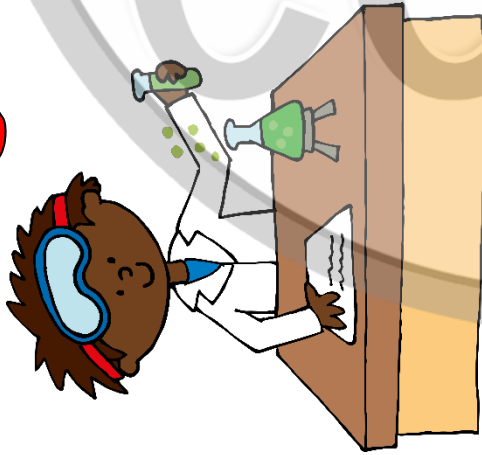
Show What You Know



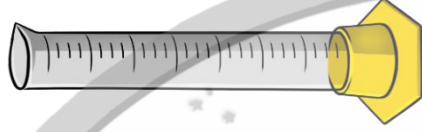
Directions: Complete the following diagram for the video you just watched.



Investigate



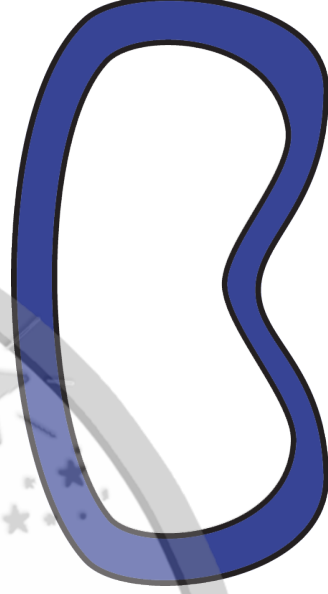
Graduated Cylinder



Ruler



safety Goggles



Science Tools



By: _____

Date: _____

Label the tools the scientists are using.



Scientists use _____. Tools can help a scientist stay safe. They can also help a scientist investigate and explore.



Directions for Tools Sort

1. Cut out each pocket.
2. Put glue around the edges of each pocket (except the top edge).
3. Put pockets on a piece of paper or journal page.
4. Sort the pictures in the correct pockets.



Name: _____ Date: _____

Length Measurement Tools

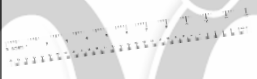



Objective: to understand how and when to use length measurement tools

Materials: ruler, yardstick, meter stick, measuring tape





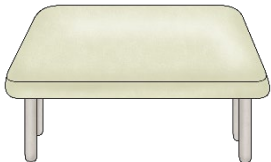
Procedure:

1. Observe each length measurement tool. Record what you notice about the units of each tool and how large each tool is.
2. Measure each object with the appropriate tool.
3. Check your work with another group. If you both have different answers, recheck your measurements together.

Observe:

	Ruler 	Meter Stick 	Yardstick 	Measuring Tape 
Units				
Size (large, medium or small tool)				
Other observations				
Types of things you would measure with tool				

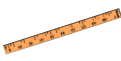
Collect Data: *Measure each object with the appropriate tool . Check your measurement with a partner to determine if it is accurate.*

Object	Measurement Tool Used	1 st Measurement	Partner's Measurement	Accurate? (Y or N)
Around Someone's Waist 				
Length of a Book 				
Height of a Friend 				
Length of a Pencil 				
Length of a Table 				

• Interpret Data: *Write sentences explaining the data you collected.*



I measure with a ruler when _____



I measure with a yardstick or meter stick when _____



I measure with a measuring tape when _____

Drawing conclusions:

I discovered _____

Reflections: *What questions do you have? What do you wonder? Is there anything you would want to do differently?*

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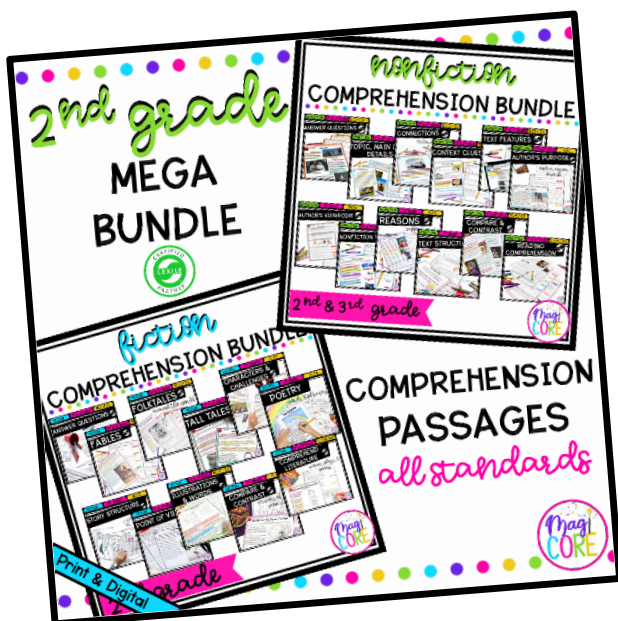


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