

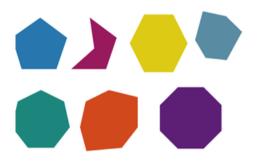
This unit was created with this guy in mind. He has autism and an intellectual disability. He is a nonreader, has a very short attention span, and has a few foundational math skills. With some support, he is able to do this unit and enjoys the challenge. He is my tester!!





Polygons & Quadrilaterals Unit

By
Christa Joy
Special Needs for Special Kids



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Also included in this resource as separate files:

- Lesson plans
- · Links and directions to digital activities
- PowerPoint (this is the book in the lesson plan)
- Voice recorded PowerPoint
- · Activities in black and white

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This unit contains 14 days of material that is in both printable and digital formats. 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.

Geometry: Polygons & Quadrilaterals 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
 - OR your students can listen to the pre-recorded version
- - Print out a set of cards onto cardstock and laminate
 - Make one set for each student and also one for the teacher to use in 1 Spv

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!!

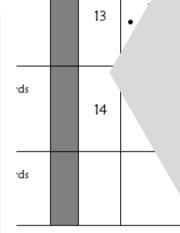
Teaching Tips

- 1. Color Coding: this is a really easy activity. Outline or color in an em the corresponding picture symbols task.
 - a. For more info, read more h https://specialneedsforspecialneedsf differentiation/
 - b. I also have a blog post on c https://specialneedsforspecialneedsf 3-ways-easily-and-effectivel
- 2. Make you own copies of the activ yesterday. For that reason:
 - a. I often complete the activity that I could use year after y
 - b. My copies were also helpfu more support or as a way for work.

Day 9						
Activity	Notes	Materials				
Read or listen to a recording of the book (10 minutes)	Read through the story, asking lots of questions Continue to make connections between book and vocabulary board	Book Vocabulary board				
Vocabulary cards Bean Bag Toss (10 minutes)	 Glue the cut apart symbols to the paper plates (one on each plate) Arrange them around the room Students toss the bean bag trying to get it to land on a paper plate Students retrieve the paper plate and share the vocabulary card they retrieved 	Vocabulary cards Vocabulary cards cut apart Small paper plates or pieces of construction paper Bean bags				
worksheet review (5 minutes)	Review the worksheets completed yesterday	Worksheets completed yesterday				
Matching Polygons (10 minutes)	 Do one of the matching worksheets Choose either with or without rotation Students complete the worksheet Make connections to the book as necessary 	WorksheetScissorsglue				
Sharing (10 minutes)	Each student shares their finished worksheet with the group using the communication method of their choice	 Completed worksheets Communication devices 				

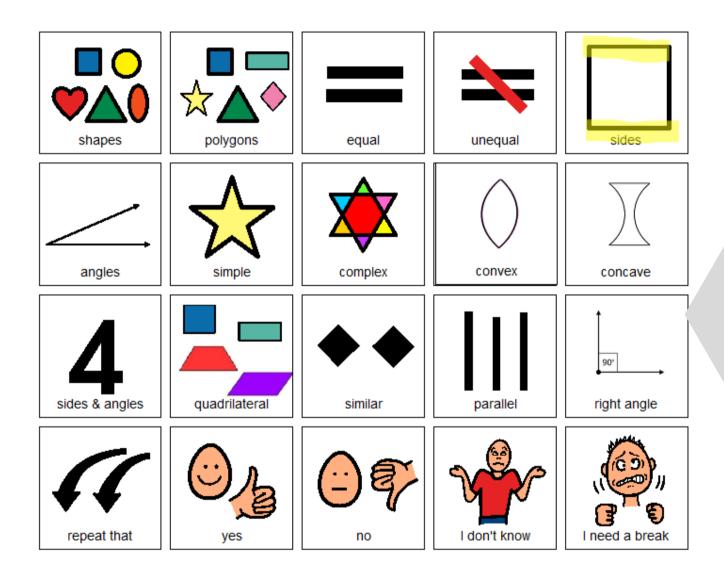
Quick Look

Day	Activity	Day	Activity	Day	Activity
1	Book Vocab cards activity Scavenger hunt Circle map Shape collage	6	Book Vocab cards activity Circle the polygons	11	Book Vocab cards cut and paste Close worksheet
2	Book Vocab cards activity Scavenger hunt Circle map Shape collage	7	Book Vocab cards activity Circle the polygons	12	Book Vocab cards cut and paste Close worksheet
	Book		Book 'ds		• Bor • V
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The lesson plans contain:

- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

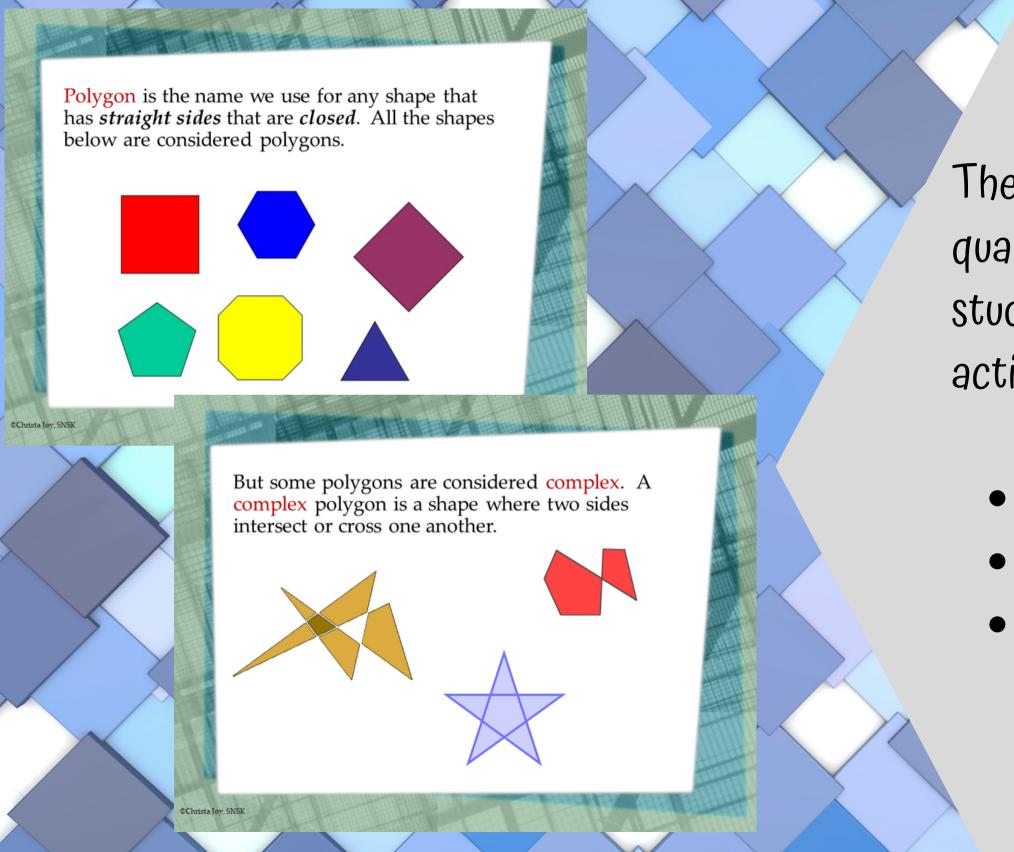


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This unit comes with a vocabulary board.

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

Tips on how to use in the unit!!

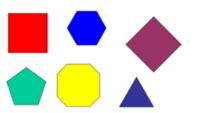


There is a 43-page book about quadrilaterals and polygons that students will use to complete the activities.

- pdf version
- voice-recorded PPT
- mp4 movie format



Any shape that has *straight sides* that are *closed*.



<mark>irregular</mark> polygon

Polygons have angles or sides that are **NOT** equal.



<mark>regular</mark> polygon

Polygons have sides that are all equal.

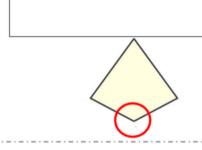


complex polygon

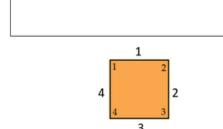
Polygon is a shape where two sides intersect or cross one another.



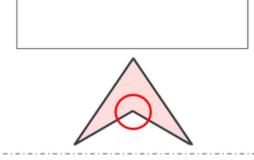
convex



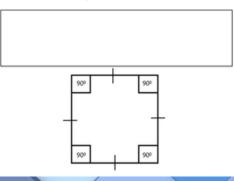
quadrilateral



concave

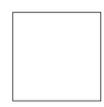


square



rectangle

Quadrilateral with 4 equal angles, but the sides are not all the same length.

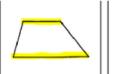


rhombus

Quadrilateral that is a parallelogram with 4 equal sides.

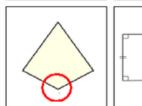












rolygon with angles that point inward.	Any shape with + sides and + angles.		
Quadrilateral that only has ONE pair of parallel sides.	Any shape that has <i>straight sides</i> that are <i>closed.</i>		
Polygon with angles that point outward.	Quadrilateral that is a parallelogram with 4 equal sides.		
Polygons have angles or sides that are NOT equal.	Quadrilateral with 4 equal sides and 4 equal angles.		

parallelogram

Quadrilateral with opposite sides parallel.

trar

Quadrilateral



Vocabulary

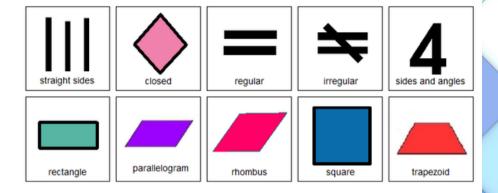
There are 12 vocabulary cards that come in color and black and white.

- Included are suggestions for group activities to do with these each day.
- There is also a cut-and-paste activity.

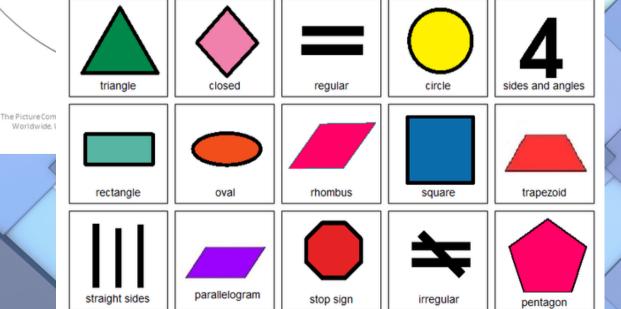
Errorless version

Cut apart pictures and place in circle map about quadrilaterals.





Cut apart pictures and place in circle map ONLY IF they relate to quadrilaterals.

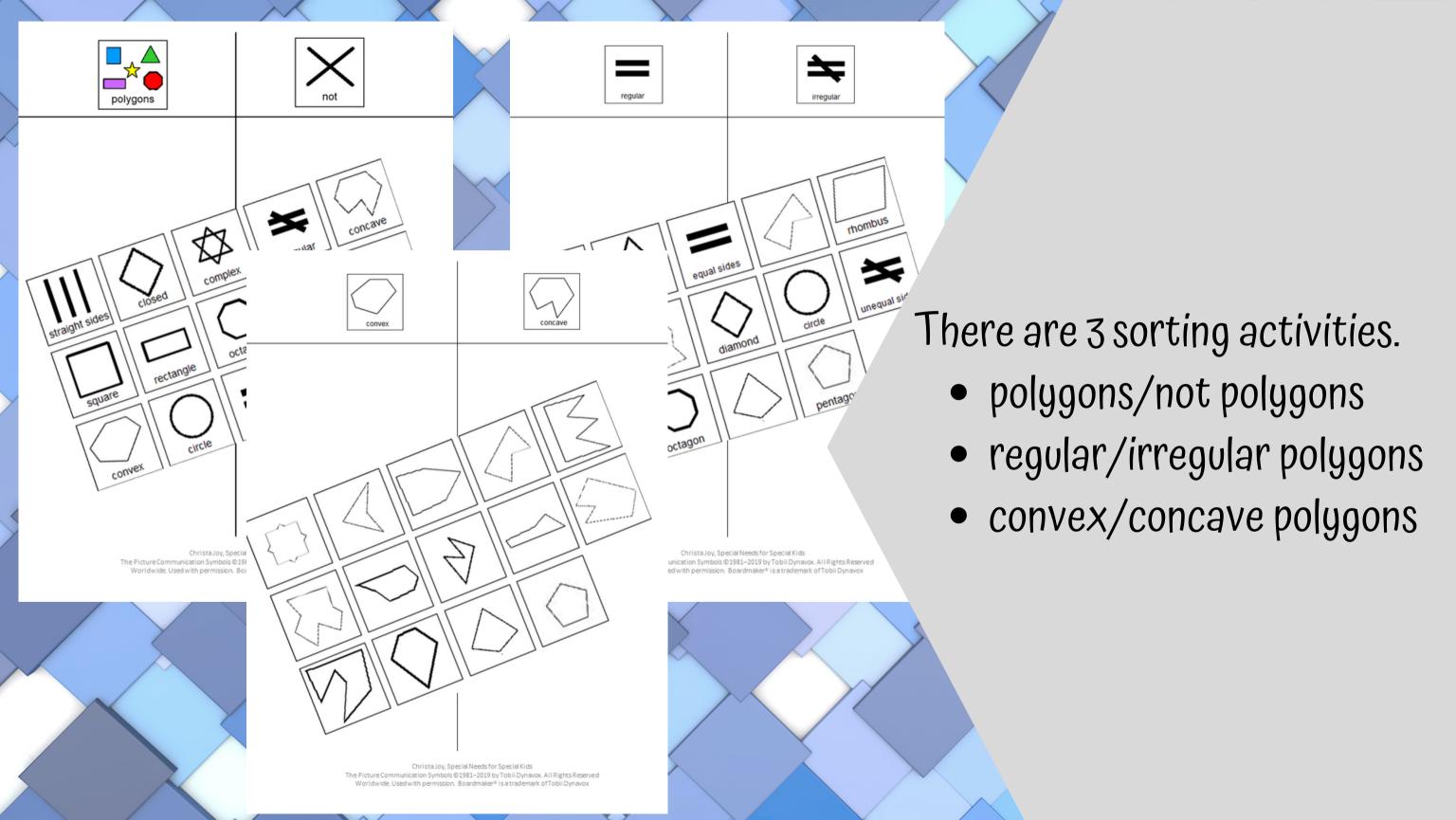


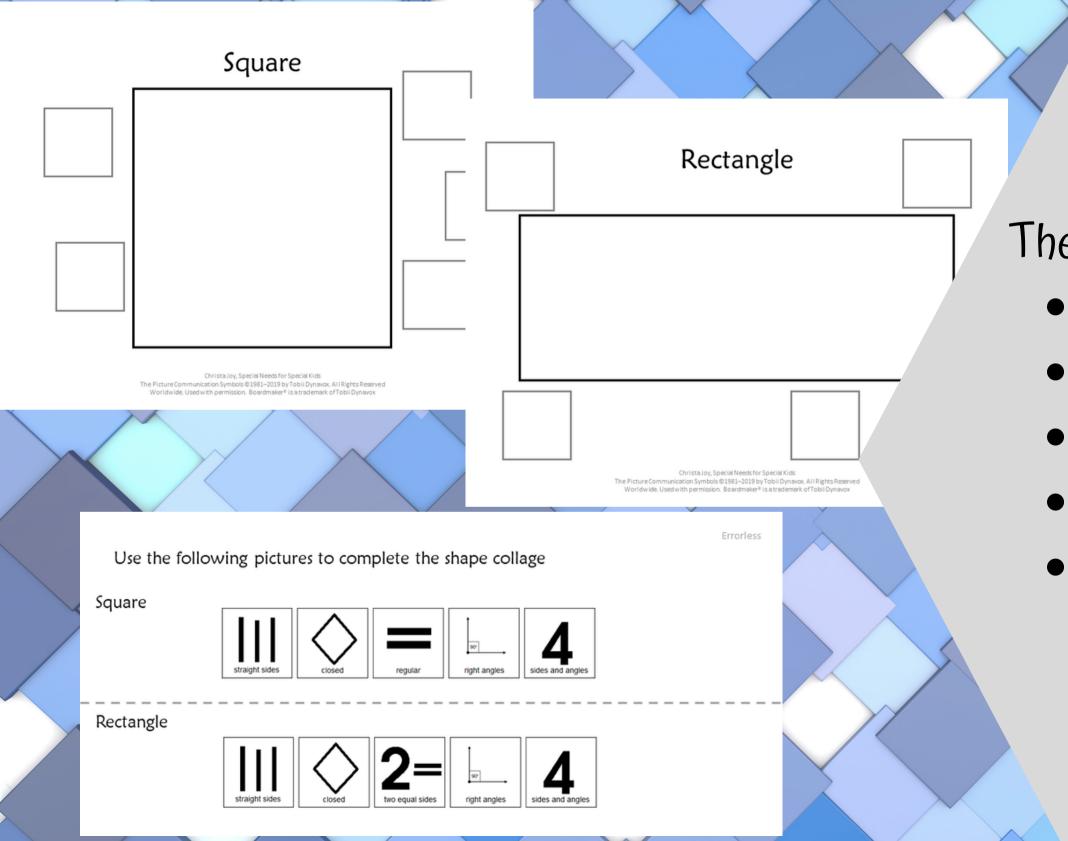
Circle maps

There is a circle map on polygons and one on quadrilaterals reviewing facts from the book.

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.





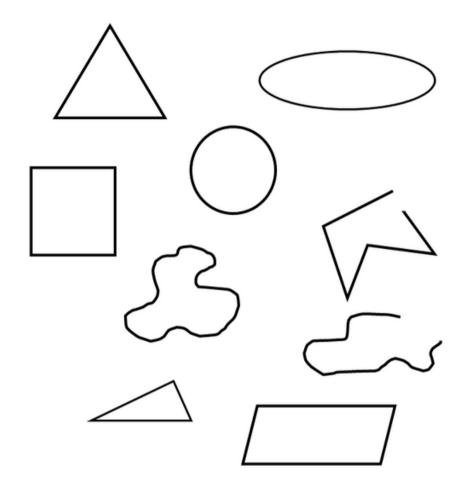
collages

There are 5 shape collages.

- squares
- rectangles
- parallelograms
- rhombuses
- trapezoids

Each collage comes with an errorless option and an option with wrong answers mixed in.

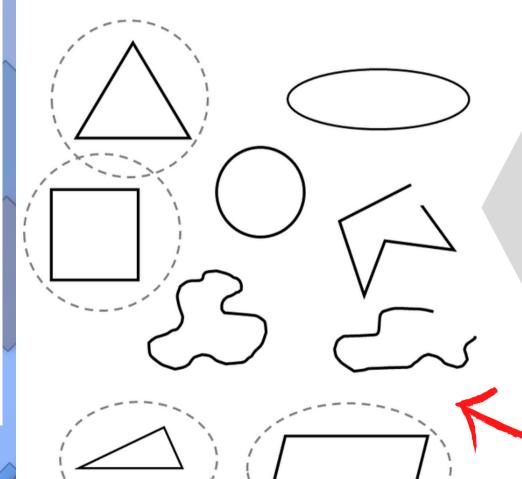
Find all the polygons.



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Circle polygons

Find all the polygons.



Students will identify examples of:

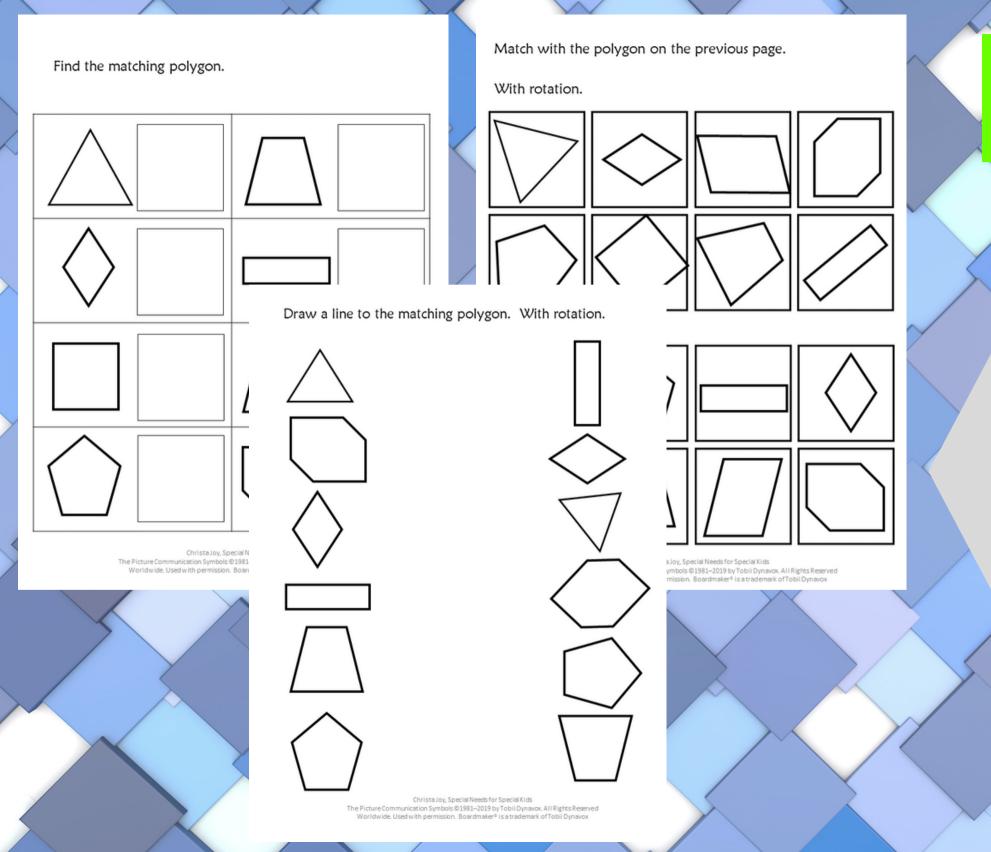
- polygons
- quadrilaterals
- squares
- rectangles
- rhombuses
- trapezoids
- parallellograms

Differentiated versions are included.

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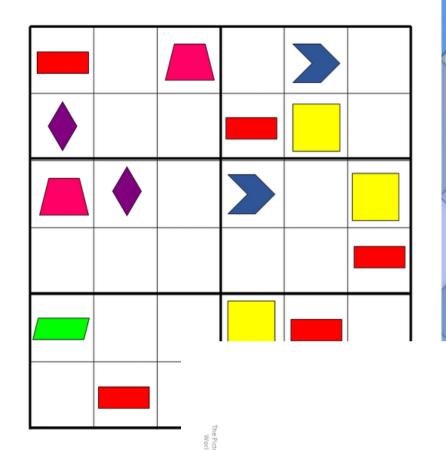
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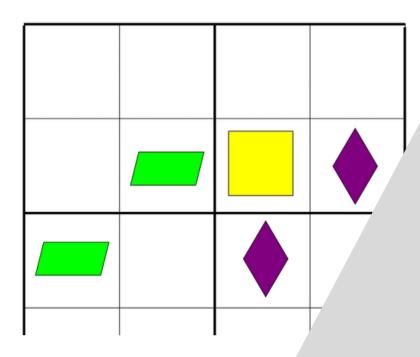
Matching with and without rotation

Students will match polygons with and without rotation. There is a cutand-paste version and one where students draw lines.

Polygons & Quadrilaterals



Polygons & Quadrilateral



e following images in the empty squase 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.

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Ouadrilaterals



sides and angles. 2. A square is a quadrilateral with 4

3. A rectangle and square both have

4. Parallelograms have sides that are

5. A square and a rectangle are both















Polygons

1. All polygons have sides.

2. All the sides are

3. Regular polygons have sides and

4. Irregular polygons have sides and angles.

5. Complex polygons have sides that each other.









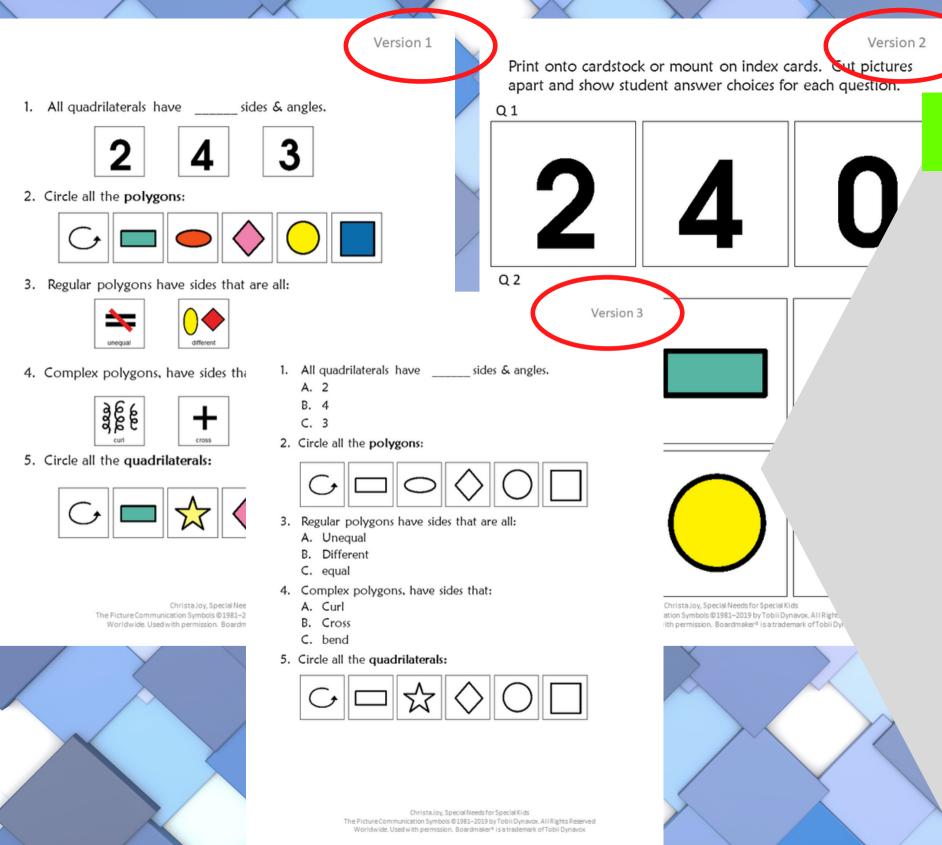




Quiz

Close worksheets are a great informal assessment. This unit has 2 that review quadrilaterals and 2 that review polygons.

Answer key included.



Assessment

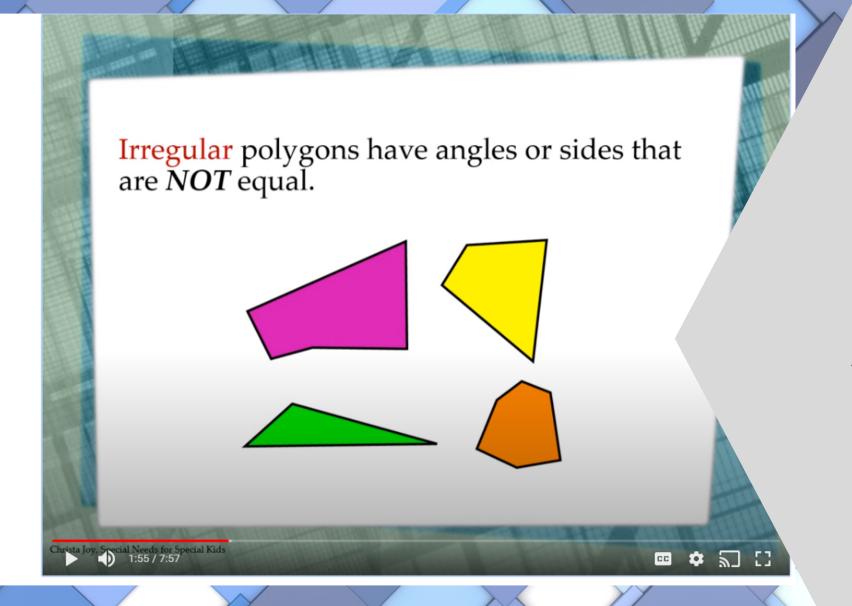
FINALLY the assessment!! There are 3 versions.

- 10 questions with 3 picture choices for each question
- cut out the answer choices and glue them on index cards
- traditional multiple choice

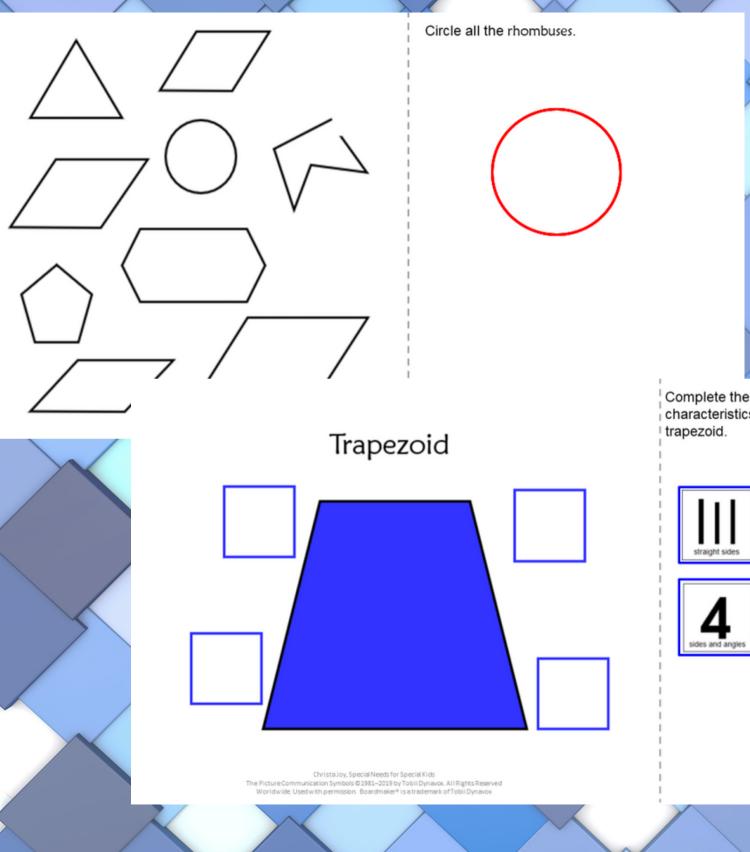
Answer key included.

Digital Activities

Watch the movie on polygons and quadrilaterals.



This unit also has digital activities.
There is a movie version of the book students can listen to read aloud.



Complete the collage with characteristics about a

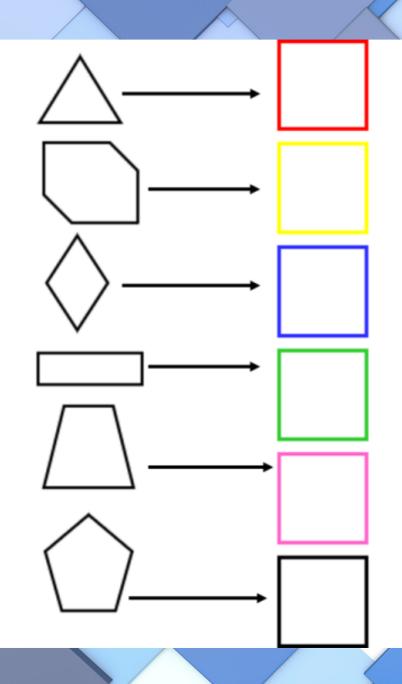




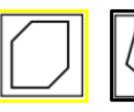




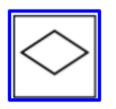
The digital activities have students mainly click and drag their answers. There is some typing involved in the set without differentiation.



Match the polygons that are rotated.













The second set of slides is differentiated using color. There is no typing in this set of slides.

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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
- Polygon activities in color
- Polygon activities in black and white
- Voice-recorded PowerPoint show
- All Polygons and Quadrilaterals book (PowerPoint) to use with activities
- Links and directions to digital activities

Save money by getting this unit as part of the Geometry Bundle

<u>Geometry Bundle</u>

