## GEOMETRY POLYGONS

## 8 INCLUDES GOOGLE SLIDES

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

## -10

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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

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
- Print out, laminate, and bind
- OR your students can listen to the pre-recorded version
- Vocabulary cards
- 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 Spy games
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 en the corresponding picture symbol task.
a.
a. For more info, read more h https://specialneedsforspeci $\frac{\text { https://specialneedsforspeci }}{\text { differentiation/ }}$
b. I also have a blog post on c https://specialneedsforspeci 3-ways-easily-and-effectivel 2. Make you own copies of the activ yesterday. For that reason:
a. I often complete the activit
that I could use year after $y$
My copies were also helpfu more support or as a way
work.

| Day 9 |
| :--- |
| Activity <br> Read or listen <br> to a recording <br> of the book <br> (10 minutes) <br> Vocabulary <br> cards Bean Bag <br> Toss <br> (10 minutes) |

(10 minutes)
, review ( 5 minutes) Matching Polygons (10 minutes)

## Sharing

 (10 minutes)
## Notes

 Read thrquestion

- Continue to make connections between book and vocabulary board
- 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 Review the worksheets completed yesterday


- Do one of the matching worksheets
- Choose either with or without rotation
- Students complete the worksheet
- Make connections to the book as necessary
- Each student shares their finished worksheet with the group using the communication method of their choice

Quick Look


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


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.But some polygons are considered complex. A complex polygon is a shape where two sides intersect or cross one another.

polygon
Any shape that has straight sides that are closed.


## irregular polygon

Polygons have angles or sides that are NOTequal.

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

concave

square

convex


Polygons have sidesthat are all equal.

## rhombus

Quadrilateral that is a parallelogram with 4 equal sides.

sides are not all the same length.

parallelogram
Quadrilateral with opposite sides parallel.

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


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.



Use the following pictures to complete the shape collage

Square

Rectangle

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

## Circle polygons



Find all the polygons.


Students will identify examples of:

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


## Differentiated versions

are included.

Match with the polygon on the previous page.
With rotation.


Matching with and without rotation

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

Polygons \& Quadrilaterals


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.

Quadrilaterals

1. All quadrilaterals have sides and angles.
2. A square is a quadrilateral with 4 sides and angles.
3. A rectangle and square both have

Parallelograms have sides that are

5. A square and a rectangle are both $\square$
$4 \equiv \square 4=$
$\square$


## Quiz

Polygons

3. Regular polygons have


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

## Answer key included.



3．Regular polygons have sides that are all：


4．Complex polygons，have sides thi


5．Circle all the quadrilaterals：


1．All quadrilaterals have A． 2

2．Circle all the polygons：


3．Regular polygons have sides that are all：
A．Unequal
C．equal
4．Complex polygons，have sides that
A．Cur
B．Cross
C．bend
5．Circle all the quadrilaterals：
G口かゝ○口

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.

Irregular polygons have angles or sides that are NOT equal.


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




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

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

