

These worksheets are perfect for students who:

- Has an intellectual disability
- is an early or non-reader
- lacks prerequisite skills
- benefits from picture support
- takes alternative assessments


## 2D Shapes: Sides and

 Vertices Unit for Special EducationChrista 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

This unit contains printable and digital activities. There is a lot of repetition and opportunities for students to practice. The problems are also spaced out to decrease distractions.

These activities are in 2 separate files, one in color and one in black and white.



There is a 28-page book with simple text and engaging photos.

The book also comes in:

- PowerPoint
- a movie version (mp4)

All shapes have sides or
How many sides does this shape have?

sides

Another thing shapes have in common are vertices are where 2 sides meet.


There is also a black and white student booklet that covers the same information in the book.

- Reviews information
- Answer questions
- Color when done


## Group Activity

Print the shapes onto cardstock and laminate for durability (color and BW versions provided)

- Make one set for each student
- Suggestions
- Have them sort the shapes into groups by \# of sides
- Have them sort the shapes into groups by \# of vertices
- Sort them into groups with straight sides, curved sides or both
- If laminated, have students trace with dry erase markers the sides
- If laminated, have students circle with dry erase markers the vertices
- Place stickers or other small objects on sides or vertices

Shape cards for group activity




## Group activity 1

There are group activities that include 18 shape cards and labels.

- Color
- Black and white


## Who am I game

Group activity 2

- Who am I activity using
- Use the flash cards from the group activity in week 1
- Use the calling cards from Bingo game
- Various options/ways to play, but the goal is to have students hold up the card you are talking about. Sometimes there can be more than one correct answer
- Things you can do:
- Hold up a who am I card
- Show a page from the book
- Point to a symbol on the vocabulary board
- Verbally describe something about that shape.
- How many sides?
- How many vertices?
- Straight or curved sides?
- Common object that has the same shape.
- Included are 10 Bingo cards in color and 10 Bingo cards in BW.

Place the cards in page protectors or laminate for long term use.
Calling cards are included.

- This is a great way to practice the new vocabulary included in this unit.
- Cut apart a set of the vocabulary cards to use as the calling cards.

Options:

- Show students the picture for them to match

Read the definition and see if students
picture
Work as teams

- Vary the "winning" patterns.
- Cover all
- Cover corner
- Row across or down
- Cover the edges
- Vary the ways to mark the card - Place in page protector or laminate - Stickers
- Post-it notes
- Dot markers


Shapes
Group activity 3

There are 10 color and 10 black and white Bingo cards included plus 10 different ways to use them and play Bingo. There are calling cards included.

Identify the sides of each shape by placing a sticker or draw a star on each side.





Count the number of sides of each shape and write it in the box.

sides

$\qquad$ vertices

Counting activities

There are 4
worksheets for students to practice counting the sides or vertices of various shapes.





| $0 \angle$ | $3 \angle$ | $4 \angle$ |
| :---: | :---: | :---: |

Perfect for every learning level

Sort the shapes into the correct column. If you are not surf or it has bother, place it on the middle line.


There are 2 sets, one that includes differentiation shown here.

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

- Lesson plans
- Sides and vertices activities in color
- Sides and vertices activities in black and white
- Voice-recorded PowerPoint shows
- Sides and vertices book (PowerPoint) to use with activities
- Links and directions to digital activities

