

Special Ed

MIDDLE/HIGH
SCHOOL

GEOMETRY BUNDLE

SAVE
20%



Special Needs for Special Kids

ALSO INCLUDES GOOGLE SLIDES




This bundle includes resources created for students with significant challenges (like autism and ID) and most were **non-readers**. This is a great way to expose all students the same curriculum their peers are following.

The background of the entire image is a dense, overlapping pile of colorful wooden blocks. The blocks are in various shades including red, yellow, blue, green, pink, and white. They are scattered across the frame, creating a textured, geometric pattern.

This bundle includes 7 different units that are typically taught in this order. It includes:

- 1. Vocabulary**
- 2. Tools**
- 3. Parallel and perpendicular lines**
- 4. Angles**
- 5. Triangles**
- 6. Polygons**
- 7. Circles**

**All units have
printable AND
digital
versions**

The background of the slide is a close-up photograph of numerous colorful wooden blocks, similar to those used in Montessori education. The blocks are in various colors including red, yellow, blue, green, and pink, and are scattered across the entire frame. A semi-transparent grey rectangle is overlaid on the top half of the image, containing the main text.

All the units are structured the same so students become familiar with the type of activities and can concentrate more on the content. Each unit includes:

- Detailed lesson plans
- Book
- Vocabulary activities
- Various cut-and-paste activities
- Quiz and Assessments
- Some units have hands-on activities as well

**All units have
printable AND
digital
versions**

Table of Contents

Pages	Activity
4-46	All About Quadrilaterals (book)
47-49	Vocabulary board
50-56	Vocabulary cards
57-69	Vocabulary cut and paste
70-80	Circle maps
81-87	Sorting activities
88-97	Quadrilateral collages
98-112	Circle the polygons activity
113-118	Matching polygons
119-131	Sudoku puzzles
132-138	Close worksheet
139-156	Assessment
157-158	Terms of Use

Geometry: Circles Digital Activities

- There is a digital version of most activities from this unit.
- There is also a second version of each activity that is either errorless or has color coding added for students who need more support.
- The file includes both versions of each activity.
- When you click the link on the next page to access the activities, **you will be prompted to make a copy.**
- My suggestion would be to **make a copy for each student.** Then go through each activity and delete the slides that are not appropriate for that student. Each student will then have their own individualized group of digital activities.
- There is also a link to the PowerPoint that you can show as a video rather than a power point.
- I hope you find this additional ability to complete these activities on-line helpful for you and your students.
- **Here is a link to a video that shows how to use this presentation without the distraction of the slides to the side: <https://youtu.be/7s2WvYCTMBo>**

Link to digital activities

- Geometry Circles movie [CLICK HERE](#)
- Digital activities [CLICK HERE](#)
- Digital **differentiated activities** [CLICK HERE](#)

If you have any problems or concerns, please feel free to contact me at
specialneedsforspecialkids@gmail.com

Thanks,
Christa Joy

Every unit has a
table of contents.
There is a separate
file with directions
and links to the
digital activities.

Geometry: Triangles Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Book
 - 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 I 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 empty space the corresponding picture symbols to the task.
 - a. For more info, read more here: <https://specialneedsforspecialdifferentiation/>
 - b. I also have a blog post on differentiation: <https://specialneedsforspecialdifferentiation/3-ways-easily-and-effectively/>
2. **Make your own copies of the activities** yesterday. For that reason:
 - a. I often complete the activity that I could use year after year.
 - b. My copies were also helpful for more support or as a way for work.

Quick Look

Day	Activity	Day	Activity	Day	Activity
1	<ul style="list-style-type: none"> • Book • Vocab cards activity • Scavenger hunt • Circle map 	7	<ul style="list-style-type: none"> • Book • Vocab cards activity • Matching triangles 	13	<ul style="list-style-type: none"> • Book • Vocab cards activity • Triangle activity • Congruent or similar triangles
2	<ul style="list-style-type: none"> • Book • Vocab cards activity • Scavenger hunt • Sorting activity 	8	<ul style="list-style-type: none"> • Book • Vocab cards activity • Matching triangles 	14	<ul style="list-style-type: none"> • Book • Vocab cards activity • Triangle activity • Congruent or similar triangles

Day 6

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 • Remember, this is a new book so it may take more time to go through it and ask more questions • Continue to make connections between book and vocabulary board 	<ul style="list-style-type: none"> • Book • Vocabulary board
Vocabulary cards Go Fish Game (15 minutes)	<ul style="list-style-type: none"> • Using several completed student sets of vocabulary cards play a traditional go fish game <ul style="list-style-type: none"> ◦ Modify/use devices or buddies as needed for additional support ◦ If you need more cards, use the color AND BW as separate cards for students to match 	<ul style="list-style-type: none"> • Vocabulary cards (student sets) • Vocabulary board
Worksheet review (5 minutes)	<ul style="list-style-type: none"> • Review the worksheets completed yesterday 	<ul style="list-style-type: none"> • Worksheets completed yesterday
Circle the triangles (10 minutes)	<ul style="list-style-type: none"> • Do the 1 or 2 of the worksheets • Students can either circle or color in the triangles • Use the answer keys if needed for differentiation (students can trace the dotted lines) • Students complete the worksheet • Make connections to the book as necessary • <i>There are extra worksheets if students need more practice</i> 	<ul style="list-style-type: none"> • Worksheet
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 worksheets • Communication devices

Every unit has a detailed lesson plan with suggestions, a quick look, and a daily step-by-step guide.

So, when 2 lines cross and form a 90° angle, then they are **perpendicular**. Look around, you will see lots of examples of right angles.



book

Every unit has a book with simple text and engaging photos. It comes in a pdf, recorded PowerPoint show, and an mp4 file.

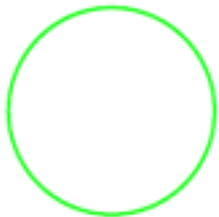
Perpendicular lines actually have slopes that are **negative reciprocals**. What does that mean??????



Vocabulary

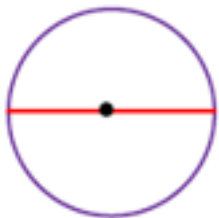
circle

Series of points that are all an equal distant from one single point, the center.



diameter

The distance across the circle, going through the center.



circumference

The distance around the circle.



radius

The distance from the center of the circle to the circumference.



arc

All the points on the circumference of a circle between 2 labeled points.



major arc

An arc that measures more than 180° .



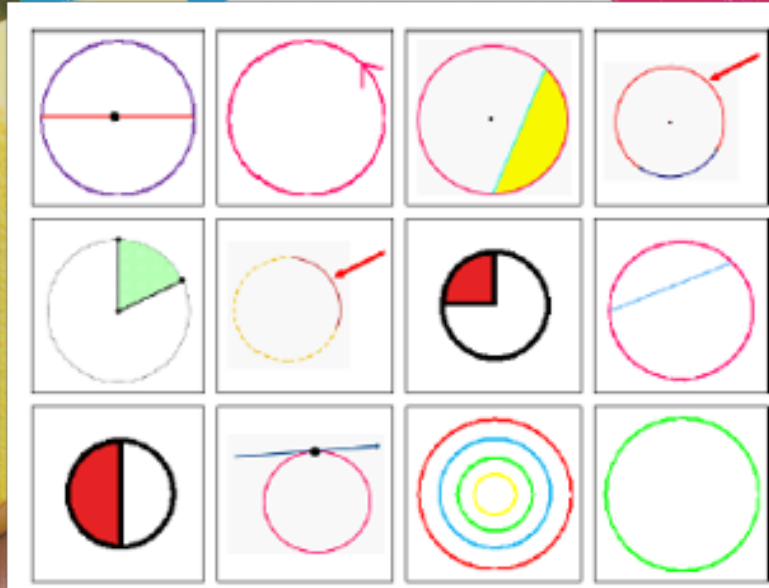
minor arc

An arc that is less than 180° .

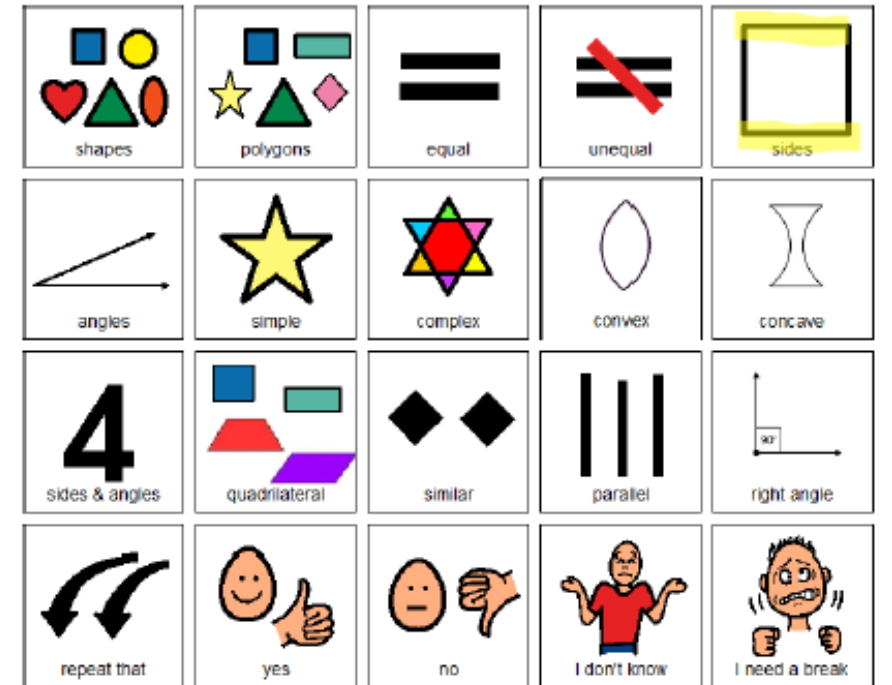


tangent line

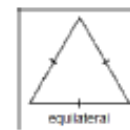
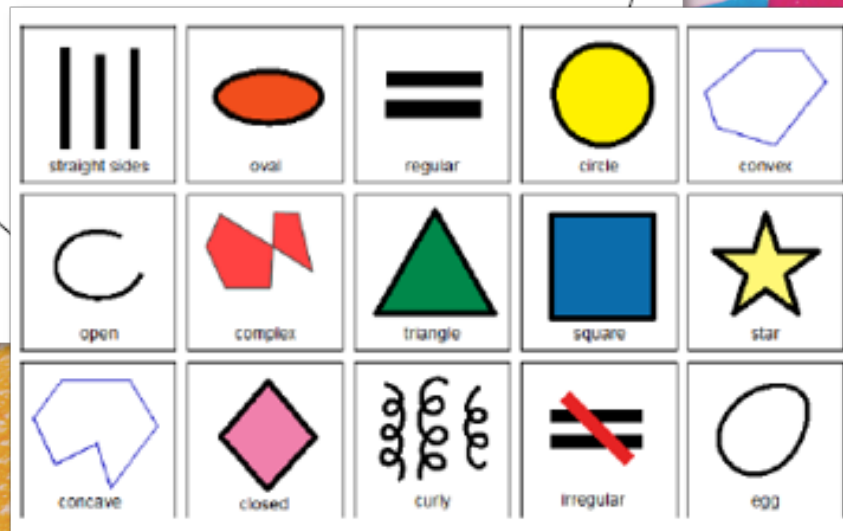
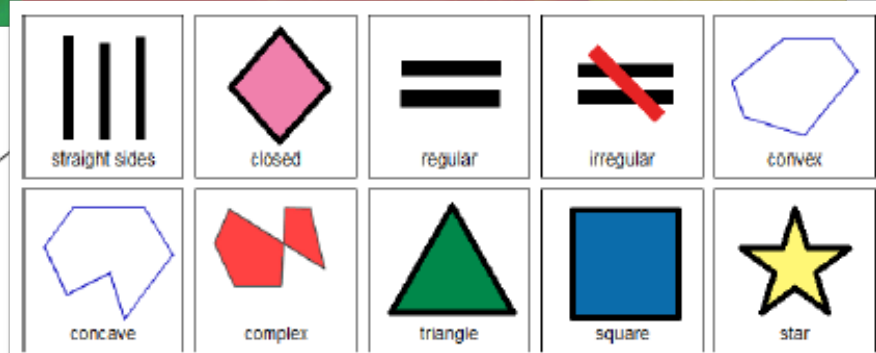
A line intersects, or touches the circle, at only ONE point.



Every unit has a vocabulary board and cards to use in activities.



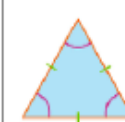
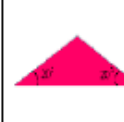
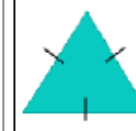
Activities



3 =
equal sides

2 =
equal sides

0 =
equal sides



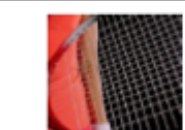
Look at the two line in each example, and determine if their slopes would be the same or different. Circle the correct answer.



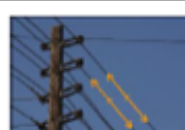
=
≠



=
≠



=
≠



=
≠



=
≠



=
≠



=
≠



=
≠



=
≠

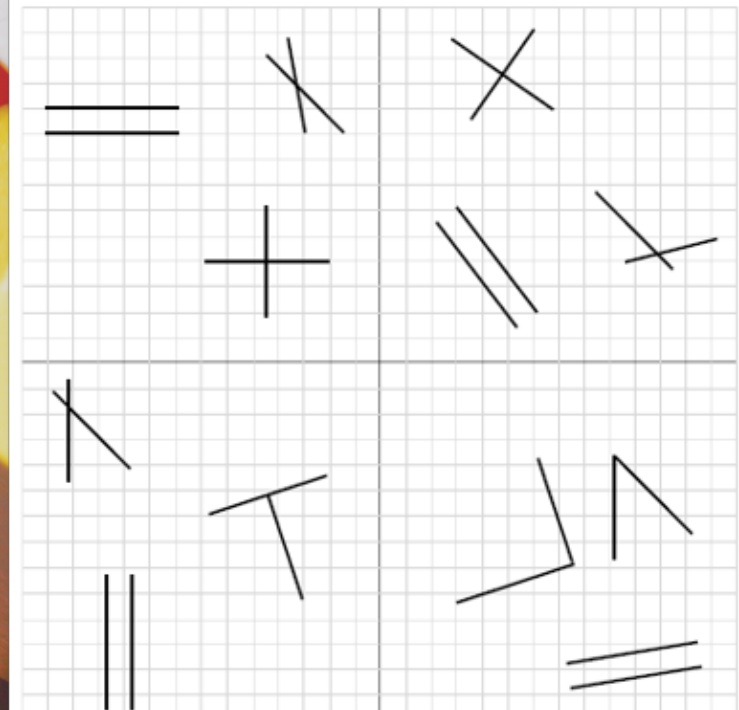


=
≠

There are lots of different activities to practice concepts:

- circle maps
- sorting
- matching

Circle the **parallel** lines in red.
Circle the **perpendicular** lines in green.



Circles

1. A circles is a series of point equal distance from the .
2. The circumference is the distance the circle.
3. The radius is equal to times the diameter.
4. An arc is part of the .
5. A tangent line touches the circle at point.

Circles 1-5



Quiz & Assessment

All units include fill-in-the-blank worksheets to review concepts covered in the book and unit plus an assessment in 3 different versions.

1. All quadrilaterals have _____ sides & angles.

2

4

3

2. Circle all the polygons:



3. Regular polygons have sides that are all:



4. Complex polygons, have sides that:



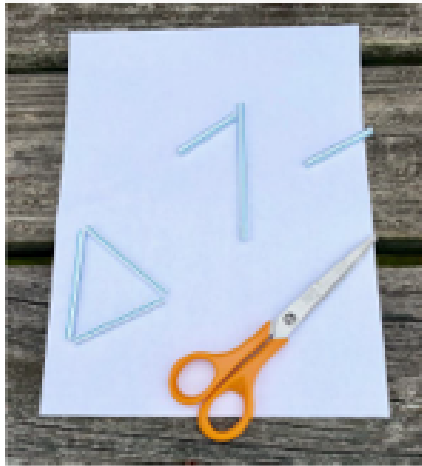
5. Circle all the quadrilaterals:



Hands on activities for triangles

1. Make your own triangle

- Need
 - straws
 - Scissors
 - ruler
- Have students cut straws into 3 pieces. Don't worry about if they are different lengths.
- Using a ruler, students measure each piece they cut.
- Record the lengths.
- Predict if they will make a:
 - Equilateral triangle
 - Isosceles triangles
 - Scalene triangle



Hands-on Activities

Hands on activities for triangles

2. Making a paper airplane

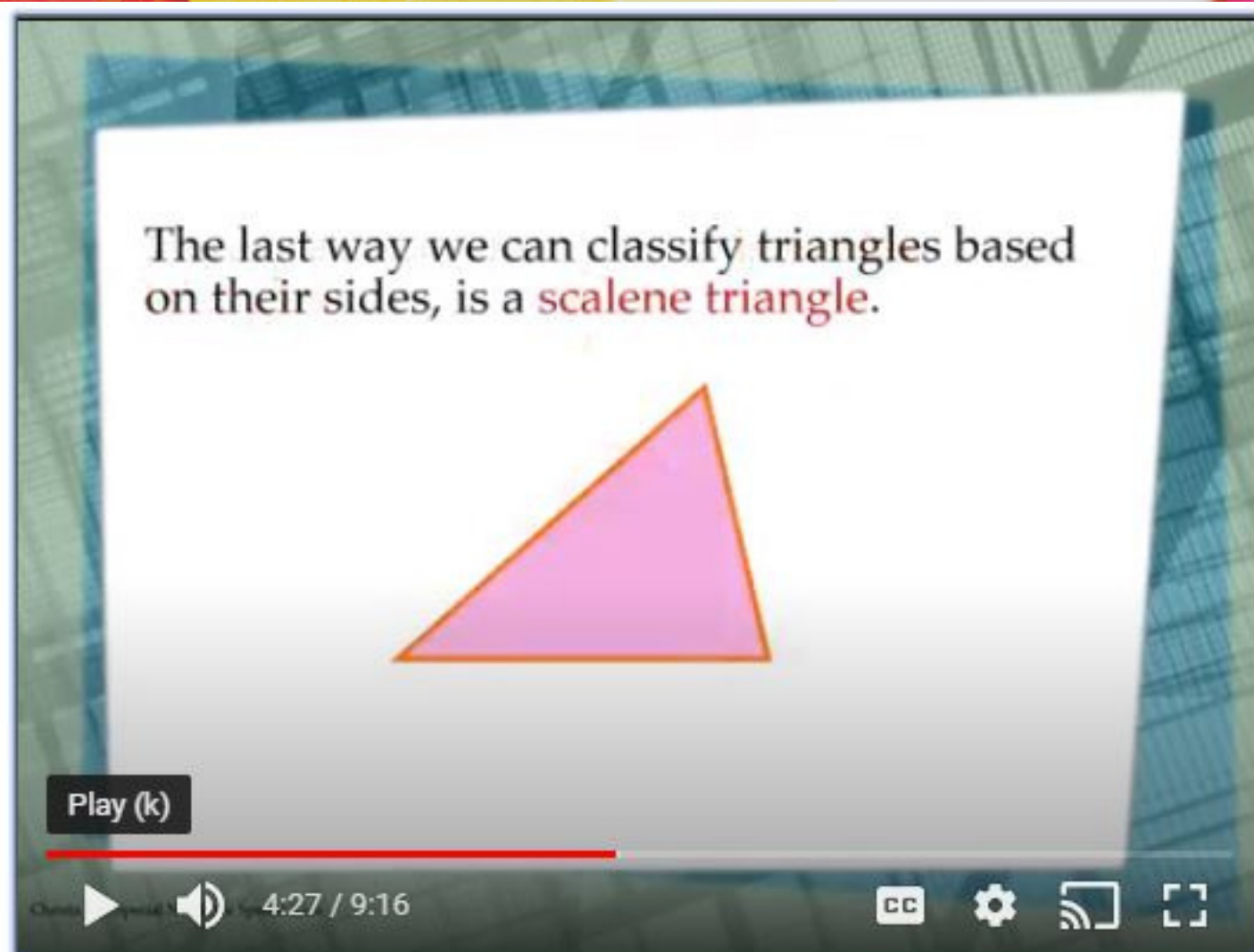
- Watch the YouTube video at:
<http://youtu.be/F8jm9kqQNoo>
- First watch through without paper
- Then watch again helping students create their airplane (pausing video in between steps)
- Take them outside to practice flying.



Some units have
hands-on activities
to give students
more practice
working with that
shape.

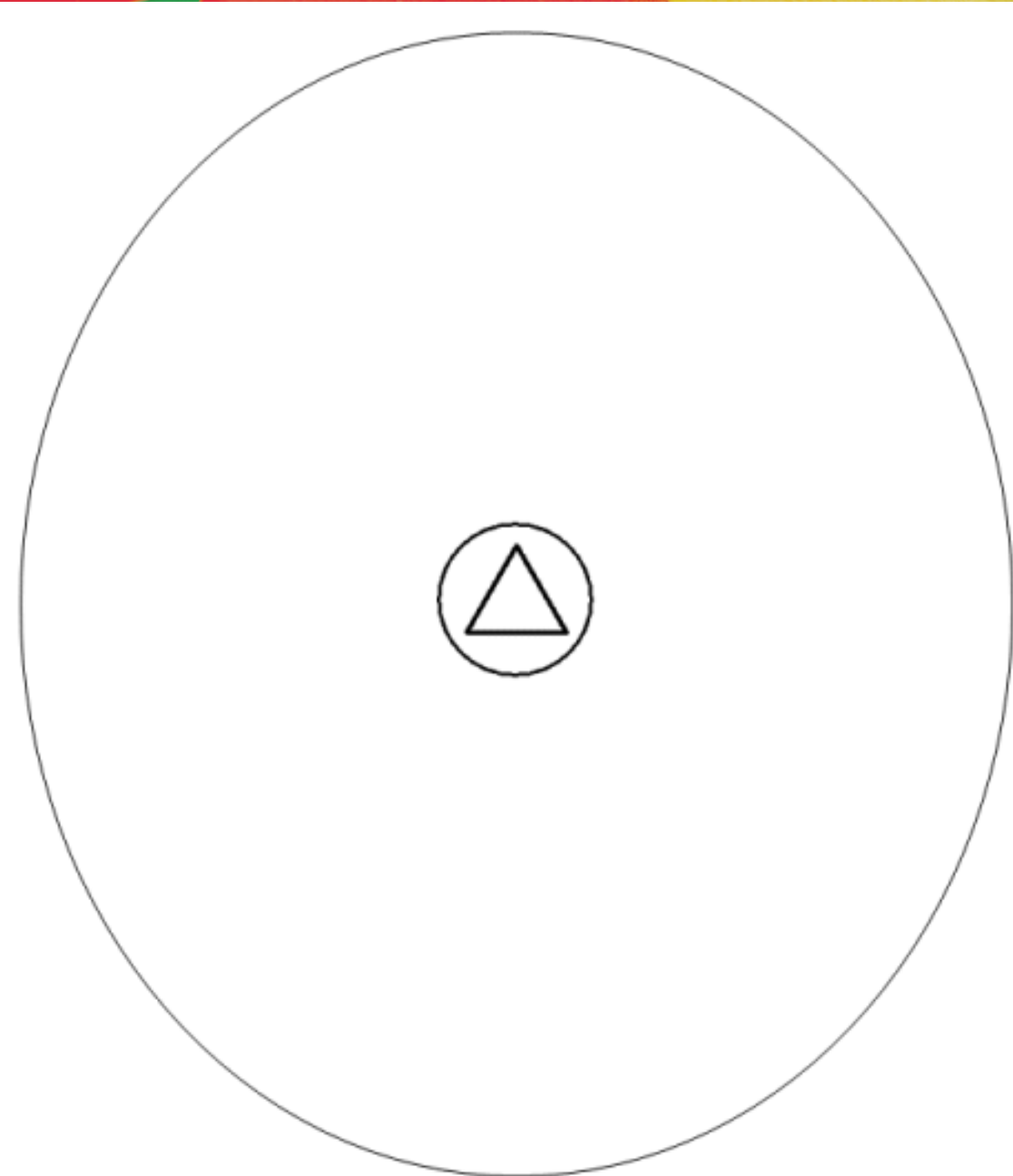
Digital Activities

Watch the video on triangles.

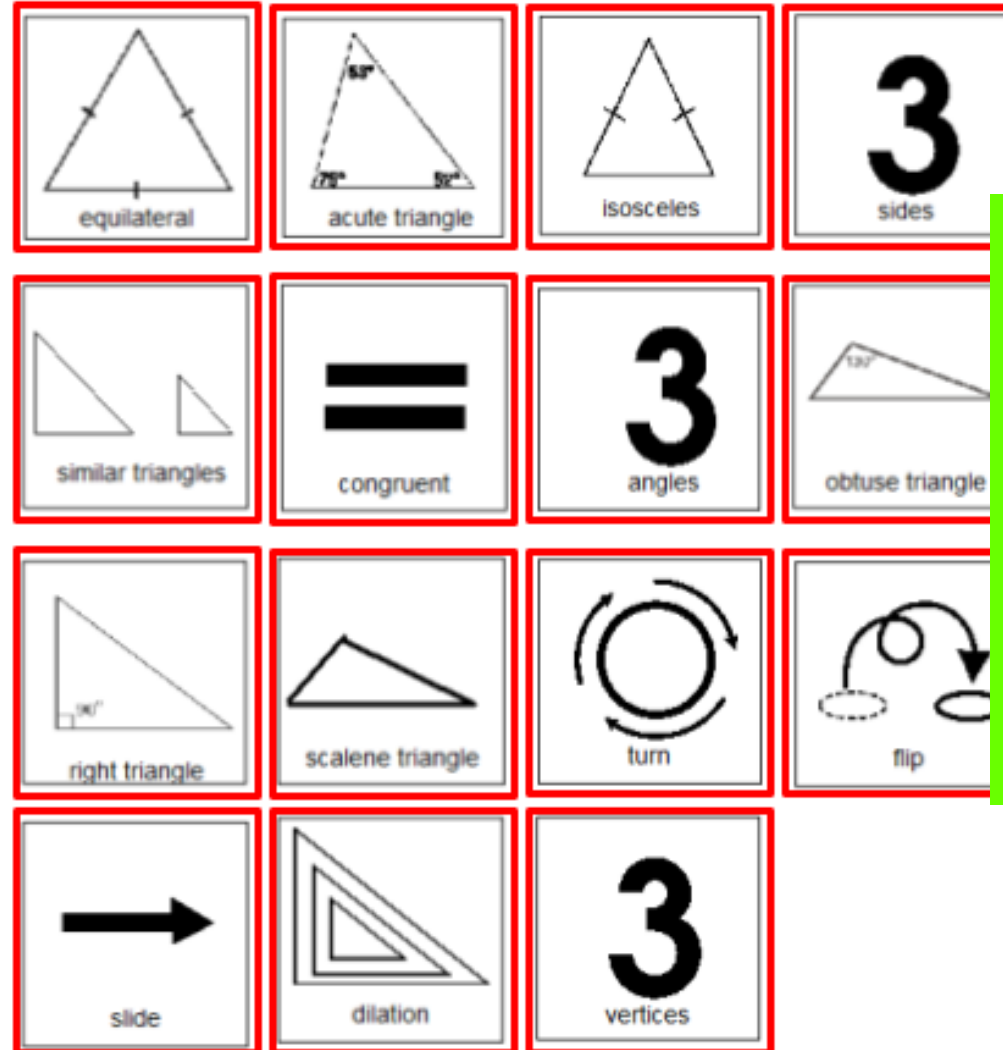


The movie version of the book from the unit.

Digital Activities

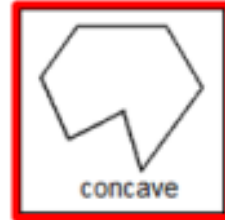
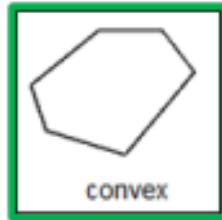


Place the pictures in circle map about triangles.

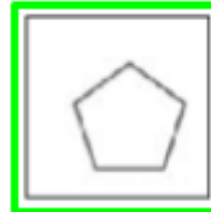
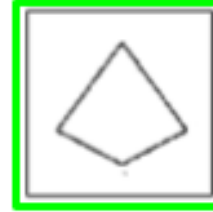
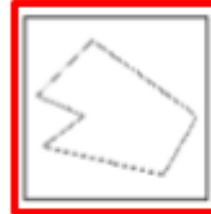
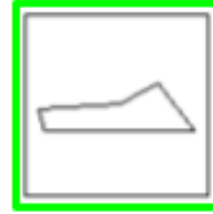
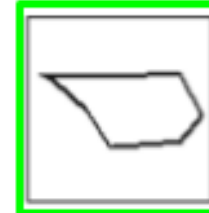
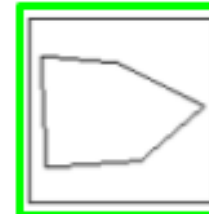


The digital activities are click and drag.

Digital Activities



Sort the pictures into the correct column depending on if it describes a convex or concave polygon. If you are not sure, place it on the middle line.



Each unit comes
with a set of slides
that are
differentiated
with color.



Each unit in the bundle comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- *Lesson plans*
- *Unit that includes book and activities*
- *Voice-recorded PowerPoint show*
- *Links and directions to digital activities*