Standard: MGSE4.G.1 (Points, lines, angles, etc.) **You can access the math textbook (McGraw Hill app) on Clever or from the Digital Resources link on our grade level blog.

## Monday (Points, lines, and rays)

- View Brainpop video- https://www.brainpop.com/math/geometryandmeasurement/geometry/
- Read and review p. 873 of Volume 2 McGraw Hill math workbook
- Complete p. 874-875 in Volume 2 math workbook. (Screenshots below)
- Complete Freckle assignments found in backpack: Geometry Basics and 10 minutes fast practice



## Tuesday (Parallel and perpendicular lines)

- Read and review workbook p. 879-880

- View "test yourself, sing Karaoke, and slide show"
http://studyjams.scholastic.com/studyjams/jams/math/geometry/types-of-lines.htm
- Freckle assignments: Geometry Basics (lines) and 10 minutes of Fast Practice

Additional activities:

- p. 881-884 in math workbook
- Brainpop video- https://www.brainpop.com/math/geometryandmeasurement/parallelandperpendicularlines/
- Check My Progress p. 885-886 (Screenshots on next page)


## Check My Progress

## Vocabulary Check

Use the word bank to complete each sentence.

1. A line segment point ray
2. A $\quad$ is part of a line between two endpoints.
and extends in one direction without ending.
3. A mare lirections without ending.
4. A $\quad$ is a straight set of points that extends in opposite
is location that is represented by a dot.
Match each vocabulary word to its definition.
$\begin{array}{ll}\text { 5. } \text { intersecting } & \text { - } \begin{array}{l}\text { lines that meet or cross each other to form square } \\ \text { corners }\end{array} \\ \text { 6. parallel } & \text { - } \begin{array}{l}\text { lines that meet or cross each other, but do not } \\ \text { necessarily form square corners }\end{array} \\ \text { 7. perpendicular } & \text { - } \begin{array}{l}\text { lines that are always the same distance apart and } \\ \text { do not meet }\end{array}\end{array}$
Concept Check Circle the correct description of each figure.


## Problem Solving

11. Identify the lines outlined on the pair of scissors as parallel, perpendicular, or intersecting. Choose the most specific term.
$\qquad$
12. Sandy is driving on Broadway Avenue. Which street appears to be perpendicular to Broadway Avenue?

13. Nathan practiced his handwriting by writing the alphabet capital letters. He stopped at the first letter that contains line segments. At which letter did Nathan stop writing?

## Test Practice

14. Which figure shows parallel lines?
(1)

©

(c)

(D)


## Wednesday-Thursday (classifying and drawing angles)

- ***For Wednesday and Thursday lesson**, students will use their knowledge of lines and angles to plan and establish a medieval city.
After traveling back to the year 1510, students learn all about the new chartered city, Devonshire, a bustling hub for traders, craftsmen, and artists. Students use their knowledge of lines and angles to create a city map for Devonshire. With a completed city map, students help create a new tiltyard for jousting within the city walls. Every city during the Middle Ages needs a heraldic flag, and students design their own with the contest requirements in mind.
- View this video to identify the three types of angles (right, acute, obtuse)-http://studyjams.scholastic.com/studyjams/jams/math/geometry/classify-angles.htm
- Use screenshots (see below) from the math workbook to assist with identifying angles



## Wednesday

Freckle Assignment:

- Please watch "Life in a Medieval City-Day 1" found in your backpack on Freckle and complete the graphic organizer below. Objective of day 1: Students will be able to identify and describe points, lines, line segments, rays and angles.

Name: $\qquad$
Day 1 - Students will be able to identify and describe points, lines, line segments, rays and angles.

## Key Information:

- The market square is in the northwest part of the city.
- Yorkshire Street and Abbey Street are perpendicular to one another and line the market square.
- Charleston Street runs into Yorkshire Street at an acute angle.
- Abbey Street and Bookbinder Street run parallel to one another, north to south.
- Bookbinder Street ends where it meets Stonegate Street at a perpendicular intersection.
- Stonegate turns into Hexham at a right angle, and the city gate is located at the end of Hexham Street.
- Bishop Street runs diagonally across the city and turns into Wedgemoore Street at an obtuse angle.

Developing the Question: What are we trying to answer?


Show all work below:


## Thursday

- Freckle assignment: Please watch "Life in a Medieval City-Day 2" found in your backpack and complete the graphic organizer below. Objective of day 2: Students will be able to identify and describe lines and angles in two-dimensional shapes.

Name: $\qquad$ Date: $\qquad$
Day 2 - Students will be able to identify and describe lines and angles in two-dimensional shapes.

Key Information:

- There are 4 plans for a new jousting tiltyard that you will present to the King.

Developing the Question: What are we trying to answer?


Show all work below:


Freckle

- Freckle Assignment: Please watch "Life in a Medieval City-Day 3" found in your backpack and complete the graphic organizer below. Objective: Students will be able to apply their understanding of lines and angles to complete a project that resembles a real-world situation.

Name: $\qquad$ Date: $\qquad$
Day 3 - Students will be able to apply their understanding of lines and angles to complete a project that resembles a real world situation.

## Key Information:

- The guild masters of Devonshire have issued a contest to choose the new Devonshire banner.


## Project Tasks:

- Design an entry for the banner contest.
- The banner must contain a lion and the symbol of Devonshire with 3 points above its head.
- It also must contain a pair of parallel line segments and a pair of perpendicular line segments.
- There also must be two acute angles and an obtuse angle on the flag, as well as a two rays.

Show all work below:


For additional practice with angles:

- Freckle assignment: MGSE4.MD.5a - Angle Measurement
- Additional pages in math workbook to assist with drawing angles: p. 887-890

