



Geometry Concepts 2016-2017



Geometry Concepts Teachers:

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Course Description:

Geometry Concepts is for students who wish to take Geometry but need a less rigorous course than traditional Geometry. The course will cover many of the same topics of traditional Geometry including the building blocks of creating and replicating figures and exploring concepts of congruence and similarity. Students will additionally learn about the area, surface area, and volume of figures, as well as an introduction to trigonometry.

1st Semester:

Unit 1: Congruence Through Rigid Motion

Unit 2: Congruence with Parallel Lines

Unit 3: Congruence in Triangles

Unit 4: Relationships in Triangles

2nd Semester:

Unit 5: Relationships in Quadrilaterals

Unit 6: Similarity

Unit 7: Right Triangle Trigonometry

Unit 8: Circles, Surface Area, and Volume

Materials:

The following materials are required for this course: iPad, **pencil**, and spiral notebook. You must bring all materials to class **every day**.

Apps:

The following is a list of apps that you will need for class:

- | | | |
|--------------|------------|--------------|
| - iTunes-U | - EDpuzzle | - Showbie |
| - Notability | - GeoGebra | - QR Scanner |

Flipped Classroom Policies and Procedures:

Assignments/Classwork:

- Each unit will start with a checklist of activities that you need to complete by the unit assessment date. There are also suggested dates that you should complete the daily activities by. Each activity in the unit is worth points toward your grade for each topic.
- Your "homework" is to watch the videos, take notes, and complete the given topic activities by the posted due date. To enhance your classroom time, you should attempt to complete all videos outside of class. Activities can include problem sets, class constructions, iPad activities, and class projects.
- Anything not finished in class will need to be finished on your own time.
- Your classwork grade will be a combination of points from your notes, class activities, and video assessments.
- Assignments are reviewed and graded daily, but are always due by the unit test day. **No assignments will be accepted past the unit test.**

Watching Videos and Taking Notes:

- Video notes can be taken in your spiral notebook or electronically on your iPad in Notability using the pdf posted in iTunes-U with each topic.
- **Do NOT use screen capture** as a substitute for taking notes. To learn the content in each video, you need to work along with each example problem or figure.
- **Remove all distractions when watching your video!** You need to be completely focused on the video when watching. Do not listen to music, play games, do other homework, or socialize when watching. Put your phone away!
- Each video will have questions throughout, and end with a short 3-5 question assessment. The purpose of this assessment is to check your understanding on the material from the video.
- You are allowed to use your notes, the help of other classmates, and your teacher on these assessments. You cannot use other student's notes.
- You will receive one point for each question you get correct towards your point total for that topic.

How to Succeed in the Flipped Classroom:

In the flipped classroom, class time will be used for actively engaging ourselves in the concepts from the video through problem sets, working with manipulatives, and doing activities intended to enrich the curriculum (i.e. video projects, posters, etc.). By moving the direct instruction (a.k.a. – lecture) portion of the lesson outside of the classroom, it frees up more time in the classroom so that we can provide more individual instruction when you need it. Your teacher will be able to track how you are progressing through the material so you are prepared for the test. In order to succeed, you need to do your part and watch the videos! Everything else will take care of itself in the classroom!

Grading:

Coursework:

Classwork – 25%
Quizzes – 30%
Tests – 45%

Semester Grade:

Coursework – 80%
Semester Exam – 20%

You are responsible for checking your grades regularly in Showbie and on Skyward. Your grade is YOUR responsibility!!

Absences:

Videos can be found in EDpuzzle. Note pdfs and classwork activities can be found in your iTunes-U course. Be sure to refer to your Unit Checklist to stay on track with your content. Missed quizzes and tests must be made up ASAP during Spartan Plus or in class. School field trips **DO NOT** exempt you from taking tests and quizzes the next day. All tests and quizzes will be announced well beforehand. It is your responsibility to prepare. Just because you miss a review day does not excuse you from a test or quiz the next day.

Classroom Expectations:

1. Be on time for class. Attendance and punctuality are vital to your success.
2. Bring class materials with you every day.
3. Participation is an expectation, not an option. While you are here, you are expected to work for yourself, as well as with others.
4. Passes will be issued for leaving the classroom at the teacher's discretion.
5. Respect your surroundings and help to keep the classroom clean.
6. Cell phones must be put away during class and may not be charged during class.

iPad Expectations:

We will utilize the iPad as our main source for classroom materials, procedures, note taking, and classwork completion. Having the iPad within the classroom setting brings forth many new exciting opportunities, but also many responsibilities:

- Students are required to bring their iPad to school fully charged every day. Do not expect that you will be able to charge your iPad in the classroom. Consistently coming to class without a proper charge will result in discipline.
- All policies and procedures outlined in the **OLCHS Student Technology Expectations** document need to be followed. The failure of any user to follow these procedures will result in the loss of privileges/apps, disciplinary action, and/or appropriate legal action.
- During class students must remain within the applications specified by the teacher. Failure to remain on task can result in revoking privileges/apps and disciplinary action.
- At any point a teacher, or any school personnel, can ask for your iPad. Remember, the iPad is a school issued device and can be taken away at any time. While you may have personal apps and information on the iPad, it needs to be used appropriately.

OLCHS Tardy Policy:

The following procedure will be enacted...

- Tardy #1 – Warning
- Tardy #2 – 1 hour of detention
- Tardy #3 – 2 hours of detention
- Tardy #4 – 3 hours of detention
- Tardy #5 - #6 – Saturday detention
- Tardy #7+ - Internal Suspension

Academic Integrity:

OLCHS is committed to the ideals of truth and honesty. Students are expected to adhere to high standards of honesty in their academics. Plagiarism (copying work) and cheating of any kind are serious violations of these standards and will result in a 0 on any assignment, quiz, test, or activity. Depending on the severity, further disciplinary action may be taken by the teacher, dean, or other administrator.

Geometry Concepts

Teacher: Mr. Cryan

Course Policies & Expectations

Due by 8/19

The following signature sheet needs to be signed by both the student and a parent. Your signatures below confirm that you have read and understand the course expectations of this class. Please write legibly!

Note to parents:

Please read the "Geometry Concepts – Flipped Classroom Parent Guide" for an in-depth explanation on why we are choosing the flipped classroom model, and also how to help your child with the model. To ensure your child's success, please check to make sure that they are taking notes and watching videos, studying for quizzes and tests, and completing their classwork. **Grades are updated periodically in Skyward throughout the school year.** You can always email me for a grade report. If you have any questions or concerns about your child's performance at any time, please feel free to contact me. I am looking forward to a great year and hope to see you at Parent Teacher Conferences in September!

Student name (Please print)

Student signature

date

Parent/Guardian name **(Please print legibly)**

Parent Guardian signature

date

Along with the signature, students must take a selfie with a parent and insert it below. To receive full credit for the sheet, it must have all required signatures and the picture.

