

# Math Analysis Syllabus 2017-18

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**Plan Time:** 6<sup>th</sup> Period 1:21 –2:08, Gold Day Block 1:33 –3:00

## Course Description:

This course is an introduction to sequences and series, both finite and infinite; advanced study of higher degree equations and functions and relations including different methods of equation-solving of upper degree functions; further study of the exponential and logarithmic functions with an introduction to trigonometry. This course also includes a study of advanced geometry. Students will have opportunities to apply these concepts to real-world situations. Probability and statistics are also covered. This course will prepare students for the ACT and advanced math courses including College Algebra/Trigonometry. This class is important for advanced science classes, and a must for students planning a career in math, science, or business.

## Materials

Pencil (*All work needs to be completed in pencil.*)  
Colored Pencils (Thin)  
Composition Book (for interactive notebooks/notes)  
Notebook paper *or* spiral notebook (for assignments)  
Scientific Calculator (TI-30XS Two Line Input may be ordered thru teacher for under \$15)

## Grading:

Student grades will be based upon the weighted categories and scale as follows:

<i>Summative Assessment</i>	<i>60% of chapter grade (Cumulative)</i>
<i>Formative Assessment</i>	<i>38% of chapter grade (Must score at or above 60%, or must be retaken.)</i>
<i>Practice Assignments</i>	<i>8% of semester grade (2% of each chapter grade.)</i>

## Grading Policy:

Students will be evaluated using formative and summative assessments.

- 1) Summative Assessments are made up of cumulative unit and semester tests. – 60% of chapter grade
  - Students will be allowed to retake cumulative summative assessments **ONE** time if all assignments and formative assessments are completed to Mrs. Parkey's satisfaction (formatives are at 70% or above, assignments are at 100%, Interactive Notebook and extra practice is completed) before the original summative assessment is given.
  - If you choose to retake the cumulative summative test the retake score will be the final score.
  - Students are offered a number of resources to help prepare for tests, including but not limited to (a) access to video tutorials with notes, (b) study groups, (c) extended hours for one on one help from the instructor, and (d) practice assignments, interactive notebook, and student notes.
- 2) Formative Assessments are made up of quizzes and proficiency checks. – 38% of chapter grade
  - Students must score at or above 60% on all formative assessments or must retake/redo the formative assessment.
  - Students have 3 school days from when a formative is returned to retake if below 60% or a ZAP will be issued.
- 3) Assignments are made up of daily work, exit slips, IXL, and homework assignments. – 8% of the semester grade (2% each Ch.)
  - Assignments will be given daily to allow students the opportunity to practice the skills learned in class that day. In order to receive credit, **work must be shown for all problems and work must be organized.**
  - Not all assignments will be recorded as a formative assessment (some are just practice).
  - Late assignments will follow the school's Zap policy.
- 4) The school district policy will be used to determine final grades. (See student handbook)

### **Make-Up Work:**

Make-up work is your responsibility. If you are going to be absent due to a scheduled activity you must get your assignment **before** you leave so it will be completed when you return. We will move very quickly through the content and it is important not to let yourself fall behind. Please pick up absent work before or after school, **NOT** during class.

### **Communications:**

During the school year I may be reached by phone or e-mail. E-mail is the quickest way to communicate with me. I also have a website at <https://chsdragonmath.weebly.com>. The website has useful links, videos, and other information I want to communicate with students and parents. Please check this site regularly.

I send text message reminders with assignments, upcoming test dates, and any other information I deem important. If you would like to receive these text messages please see the attached sheet and follow all directions.

It is my privilege to assist you in your learning. To be successful in my class, it is important that you do not hesitate to ask for assistance. If you do not understand any part of the lesson, it is **YOUR RESPONSIBILITY** to ask for help. It is **YOUR RESPONSIBILITY** to hand in your assignments on time, participate in class, and be successful in this class.

### **Hints for Success:**

1. Please ask specific questions when you don't understand a concept. I encourage you to ask questions during class.
2. Work on problems on a daily basis. Mathematics is a subject that is best learned when it is performed on a regular basis.
3. Ask for assistance whenever needed. I am available every day during **DRAGON TIME**, before school, and most days after school.
4. Come with a positive attitude.
5. **Be on time and ready to learn**- Be PROMPT!  
Come to class on time and prepared to learn. When you enter the room find your seat, read the board, complete bell work, and start preparing your notebook for the day. I will not wait for you when we begin class because your notebook is not ready.
6. **Cell Phone Use**- Cell phones must be deposited in the cell phone holder when coming into the room and set to silent or turned off. A student may not pick their cell phone up until they are on their way out of the classroom for the day.

### **Classroom Expectations:**

Students are expected to follow all school rules - (See Student Planner)

### **Behavioral Consequences:**

1<sup>st</sup> Offense: Teacher warning and documentation

2<sup>nd</sup> Offense: Student will serve after school detention the next day or when stated by the teacher.

3<sup>rd</sup> Offense: Discipline Referral Form to office

Additional or Severe Offenses: See Student Planner

*I reserve the right to advance through the above steps more quickly in the event of repeated and/or severe offenses. Severe offenses result in immediate administrator involvement.*