

Disclosure Document

Honors Secondary 3 2015-16

Salt Lake Center for Science Education

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Description:

We will progress through several units this year including units involving:

- Functions
- Transformations and Similarity
- Complex numbers
- Sampling and Randomness
- Trigonometry
- Series and Sequences
- Limits and End Behavior
- Polar Coordinates

These units will be learned with a focus on new practice standards. Students will:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with Mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

Goals and Objectives:

- Develop positive attitudes toward mathematics, including the confidence, creativity, enjoyment, and perseverance that come from achievement.
- Become proficient problem-solvers by posing appropriate questions, selecting appropriate methods, employing a variety of strategies, and exploring alternative approaches.
- Think logically, using inductive reasoning to formulate reasonable conjectures and using deductive reasoning for justification, formally or informally.
- Cooperatively and independently explore mathematics, using inquiry and technological skills.
- Make connections between mathematical ideas, between mathematics and other disciplines, and to life.
- Communicate mathematics through writing, modeling, and visualizing, using precise mathematical language and symbolic notation.

Course Materials:

- Bring toolbox to class every day!
- Notebook with organized notes to help with homework and future math classes

- Two sharpened pencils. NO PENS!
- SLCSE 3-ring Binder w/dividers Lined paper

Format and Procedures:

Students will:

- PARTICIPATE! - as a class, individually, and in cooperative groups
- use technology, manipulatives, and models

Requirements:

- be on time - in your seat, working quietly at the bell
- be on task - working on the class activity
- be prepared - with materials, completed homework, and math Toolbox
- be respectful - appropriate, kind, and cooperative

Grading Procedures

20% - Passports. Show me you understand!

30% - Homework. Develop good study habits!

30% - Exams

20% - Seminar Quizzes. Keep up.

Each homework assignment will be due the next day in class. If a student is absent, it is their responsibility to get the homework from the teacher. Students have 2 days to turn in late homework caused by an absence.

Passports will be made up of small amounts of problems meant to assess the students' ability to perform specific skills. A student can earn an "I" –meaning they are "In progress to meeting the standard", an "M" –meaning they have "Met the Standard", or and "E" –meaning that they have "Exceeded the Standard." The students may continue to improve their passport grades until they have earned an "M" or 100%, until then they earn 0%.

Exams and quizzes will be cumulative assessments requiring the students to use many of the skills they have demonstrated on their passports. They will also require the students to reason out answers using the knowledge they have gained in class discussions and activities.

Seminar quizzes will mark roughly a halfway point through a unit. They will be meant as a formative assessment for the teacher and as a formative self-assessment of the student. If a student makes a mistake on the seminar quiz, the student is required to attend a seminar chosen from one of the available dates provided by the teacher. The student can make up credit for the seminar quiz by attending the seminar. If the student does not attend the seminar, no credit will be earned for the seminar quiz.