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Tech Geometry 2015 - 2016 Syllabus

About: Tech Geometry is Benson Polytechnic High School's innovative geometry class. Our contextualized learning model helps students put mathematics into practice, applying theoretical concepts to actual construction projects. These assignments also provide students with valuable community-building experience, with assignments that include the construction of both a playhouse for Escuela-Viva, a Bilingual Preschool in the Benson neighborhood and a habitable cabin for residents of Dignity Village, a homeless encampment in North Portland. This interdisciplinary course is taught by a math teacher and an electric teacher, and grants two credits—one geometry credit aligned to the national Common Core State Standards and the curriculum of Portland Public Schools, and an elective credit earned for the construction portion of the course.

Materials: Please bring the following items to every class. Preparation is the key to success!

- Graphing Notebook
- Pencil & Pen
- Graphing Calculator (TI-83 recommended)

Assignments: Assignments in this class will range from daily homework assignments to papers, labs and projects. All assignments are expected to be completed on time at the beginning of class. Failure to complete homework will result in missing the next Build day. The construction portion of the class is dependent on you completing daily task cards, so it is imperative you are completing your math homework.

Make-Up Work:

Excused Absence:

- Work from the last day you were in school is due the day you return.
- You will have one day to make up assigned work for every day you had an excused absence.
- It is your responsibility to check the website or class calendar for missing assignments

Unexcused Absence:

- No work will be accepted and tests, quizzes, and in-class work cannot be made up.

Proficiencies: This class is comprised of 9 different proficiencies. Each proficiency is comprised of more specific learning targets. All work will be graded according to the rubric below with the ultimate goal of students demonstrating they are Proficient (2) in all proficiencies. You will know what the learning targets are at the beginning of every unit and how each activity, assignment, and assessment is connected to these.

Grading: Proficiency grading reflects the fact that students are constantly learning. Your grade is considered a work in progress until the final exam. Progress reports do not represent a student's grade in the course until after the final exam has been taken. Until then, grades are an indication of current progress towards a final grade. Students will receive multiple opportunities to "show what they know." Students will be given constant feedback on their progress in the course with formative assessments often in the form of quizzes. It is advisable that students seek help as soon as they are feeling that they are not understanding a concept. Parents, please encourage THE STUDENT to contact me with any concerns prior to intervening on their behalf.

Proficiency Grading Rubric:

| Points | Grade | Description |
|--------|-------|--|
| 0 | F | No Evidence: "I did not try this learning target" |
| 1 | D | Becoming Proficient: "I tried this learning target and understand some, but not all, and did it incorrectly. I still need more practice." |
| 2 | C | Proficient: "I almost understand this learning target. I can do part of the problems correctly but I am still making mistakes." |
| 3 | B | Highly Proficient: "I understand this learning target and can complete problems 100% correctly." |
| 4 | A | Masterful: "I <i>really</i> understand this learning target. I could explain how to do these problems to another students and/or solve the problem in different ways." |

Retakes: Students will have the opportunity to retake any learning targets they'd like to do better on. In order to retake a learning target, the student will need to complete test corrections and have them approved by Ms. Stolte before scheduling a retake time. Retakes will only be given before school or during tutorial.

Electronics: The use of electronics (includes: cell phones, ipods, mp3 players, etc.) is strictly prohibited in class. If you use any non-approved electronic device* in class the listed consequences will occur:

1st: Your phone goes down to the VP office until after school. (Consider yourself warned!)

2nd: Your phone goes to the VP office where only a parent/guardian may pick it up.

3rd: You turn your phone into the VP office every morning before school.

*Calculators approved

General Rules:

- Be kind to one another and the environment.
- Be responsible and respectful.
- Ask questions.
- Have fun

PARENT Homework:

There is a lot of good information on this sheet of paper, but there is still more goodness to be found! Head over to our website tech-math.weebly.com and be sure to check out the class calendar. Fill out the contact form with your info and the message on the calendar for 8/26 as the comment.

NOTE: Using a cellphone? For best results select the WEB version on the bottom

