Nathan Hale High School

Geometry

Site Info
Class Location: Hale 208

Tutoring:
Saturday School from 8AM - Noon
After school by appointment.

Teacher Info
Mr. Gibson
(360) 296-6630
Texting is fine.
dannyjgib@gmail.com

Graduation Goals

100% pass the 10th grade math test.	**All Hale Sophomores score 20+ on the ACT.**
● All 10th graders must pass to graduate. ○ Even if you passed Algebra I and/or Geometry EOIs. ● Tests math understanding from 9th and 10th grade. ● This is a new requirement.	● We will take 3 practice ACTs. ● All Juniors at Hale take the real ACT. ● Scoring 22 on the math section of the ACT (as a Junior/Senior) means you are "College Ready" ● "College Ready" = No Remedial Classes.

Classroom Expectations

Expectations are brief and clear. Enforcing expectations is at Teacher/Admin discretion

- **Respect Each Other, Respect Each Other's Things**
  - *Positive Example: Complementing another student, cleaning boards*
  - *Negative Example: Cursing, vandalism*
- **Try your best 100% of the time.**
  - *Positive Example: Speaking when called on, working in teams.*
  - *Negative Example: Asleep in class.*
- **Tech Respect**
  - *Technology used without permission is confiscated until end of class.*
  - *Ask before you answer a call or text.*
- **Keep Little Problems Little**

Your Grade

60% Improvement on Weekly Exit Tickets	**20% Unit Exams**	**10% Home Work Complete**	**10% Behavior and Projects**
● Prequiz given every Monday/Tuesday ● Quiz given every Friday ● Score is based on improvement between quiz. ● If you aren't happy with your grade, you can always make up Exit Ticket Scores	● End of each unit ● One week to makeup ● Corrections earn back credit		

Course Description:

Geometry is the study of shapes. In High School Geometry, we formalize ideas about shapes that were taught in middle school (angles) and earlier (identifying shapes). Specifically, we will apply algebraic ideas (equations, variables) and the properties of shapes to solve problems.

Like the great minds before us, we will use geometry to think logically. We will learn to deduct conclusions and defend our arguments with from first principles and facts.

Long Term Outline

Unit/Topic	Description	Time Frame
0. Classroom Behavior	Rules, Systems, Diagnostic	2 weeks
1. Logic	Venn, Inductive, Deductive	1 week
2. Algebra Review	Fractions, Ratios, Proportions, Functions,	3 weeks
3. Coordinate Geometry	XY, Midpoint Distance	1 week
4. Linear Geometry	Parallel PerpendicularSlope	2 weeks
5. Angle Relationships and Transversals	Complementary vs Supplementary Transversals	2 weeks
6. Triangles	Triangle Types, Congruent Triangles, Similar Triangles	7 weeks
7. Polygons	Quadrilaterals, Angle Theorems	6 Weeks
8. Trigonometry	SOH CAH TOA	4 Weeks
9. Circles	Angles, Circle Parts	2 Weeks
10. 3D Shapes	Nets, Surface Area, Volume	3 Weeks
11. Algebra 1 Review	Test Prep	2 Weeks
12. Post Exam Engineering Project	Bridge Building	3 weeks

I've read the syllabus for Mr. Gibson's Geometry class. I've reached out with

any questions.

Student Signature	**Parent Signature**