Dear Parents or Guardians,

Welcome to the Daniel Ninth Grade Campus for the 2017-2018 school year! We are looking forward to working with your son or daughter in PAP Geometry, with the goal of success on the End Of Course Exam and developing math and critical reasoning skills needed to move forward through high school career and beyond.

We are also excited to work with you throughout this year to make sure we are doing everything we can to help your student be successful. There are several ways that you can assist us in helping your son or daughter:

1) **Monitor completion of daily homework** – you may not be able to work problems, but you can check to see that all problems have been attempted with **work shown.** Students will receive homework frequently, so be sure to check with your child every night. If you would like to sign up for Remind messages, ask your teacher for their Remind code.

2) **Monitor grades received on a daily basis** – Grades will be posted and available on Parent Portal as soon as possible and parent portal updates on a weekly basis. Some things to look for:
   Is the grade received due to incomplete or late assignments?
   Has the student shown effort and attended tutoring?
   Is the student eligible to re-do an assignment/quiz?
   Does the student need to retest?

3) **Monitor the need for tutoring** – Insist that your child come in for help as needed. Teachers are available every morning at 8:00 until 8:40. Some teachers require an appointment for tutorials, so check with your individual teachers. In addition, each teacher has at least two days per week of tutorials during our I-30 Flex time. Encourage your student to use this time!

4) **Monitor the need for retesting** – Ask for test grades immediately, and if needed insist that your child come in for RETEACHING and RETESTING.

5) **Email your teacher at any time!** - We make an effort to answer emails within 24 hours, and we are always happy to hear from you. Please email or call if you have any questions or concerns at all!

With your assistance, we can ensure that all students succeed in Geometry/PAP Geometry this year!

The best way to contact us via email. If that is not best for you please leave a message on my voicemail through the school office (817-441-4504) and I will return your call as soon as possible. Also feel free to message me on Remind. With either method, if you do not hear back from me within 24 hours, *please try again*.

Please complete and return the attached page to indicate that you have received and read the class syllabus and expectations. Thanks!

Sincerely,

Dan Shedd
Algebra I/Geometry
Daniel Ninth Grade Campus

PAP Geometry CLASSROOM EXPECTATIONS 2017-2018

Classroom Procedures:

1. Everything in the room either belongs to you, your teacher, someone else in the building, or DNGC. Please treat it with the corresponding level of respect.
2. Come to class and do your homework. The fastest way to fall behind and perform below your expectations is to miss class without making it up and to not do your homework. Homework is vital practice!
3. Getting my attention: please raise your hand or come see me at my desk
4. If you would like to check out a hard copy of the book, please speak with Mr. Durnil. Otherwise, electronic copies of the book will be available for you to access either on a device or your computer.

School Policy will be honored:

1. See student handbook. (dress code, food, drinks, electronics)
2. All campus policies, including TARDY and RETEST/MAKE-UP WORK will be followed.
3. We will follow the campus policy for Academic Integrity. Cheating or using another's work and submitting it as your own is AGAINST the Academic Integrity policy. It is not "using your resources."

Class Standards (Posted in classroom):

1. All district & school policies will be enforced. (See Student Handbook)
2. Follow directions the ***first*** time given.
3. Be on time & prepared.
4. ***Respect*** yourself, others, & your school
5. Be a ***responsible*** student & citizen

Consequences (Misconduct will result in Citizenship grade change.):

1. Warning and discussion with teacher
2. Parent contact
3. Referral to administration

Grading:

1. **Daily Work (15%):** Class assignments, homework, or homework checks
    a. Daily grades may be graded in a variety of ways:
        i. Percent accuracy
        ii. Completion (a 100 will only be given if directions have been followed and work is shown)
        iii. Homework checks
        iv. Other methods as the teacher deems appropriate
    b. Homework assignments will be found on Google Classroom
2. **Quizzes (25%):** We will have weekly quizzes over the concepts from the week.
3. **Tests (60%):**
    a. Module Tests
    b. Unit Tests
4. **Make-up Work / Late Work / Re-do's**
    a. **Students** are **responsible** for checking for missed work, notes and picking up worksheets from me. Check the Absent Work Folders to see if you are missing anything!

b. **Daily Work, Quizzes, & Tests:** can be made up according to the Student Handbook. To make up a missed test or quiz, please make arrangements with me. Again, make sure YOU are checking on your missing work.
c. **Retests:** Corrections on all incorrect problems are required in order to retest. Retest opportunities will usually be during I-30 or before or after school. Rarely, it may be necessary to use class time on retests.
d. **Re-do of Daily Work / Quizzes**: A student will **always** be given the opportunity to raise a <u>failing</u> grade on an assignment or quiz. Policies for this opportunity may vary slightly between teachers. Check with your teacher or check their personal web page for their specific policy.
e. **Late Work Policy:** If an assignment is not turned in when it is due, the student will receive 10 points off for each day it is late. After 3 days no grade higher than a 50% will be given.

<u>Materials:</u>

1. **To be left in the classroom:**
    a. 4 - AAA Batteries
    b. 1 box of Kleenex
    c. 1 pack of pencils (pencils from me cost $0.25 or your shoe for the day).
    d. Colored pen or pencil to check papers with
    e. 2 packs of college rule paper (wide ruled is ok) or a notebook with paper
    f. Homework folder (this will be used to take things home and back if you choose to leave your binder in classroom)
    g. 2" Binder with 5 dividers (this will be kept in class and used to keep our work organized for future use) Label the dividers:
        i. Notes
        ii. Daily Work
        iii. Tests/Quizzes
        iv. Returned Homework
        v. Extras
2. **Calculator:**
    a. If you already have a calculator:
        i. TI-84 or TI-84 CE (Color Edition) are great.
        ii. If you have a calculator that is not one of those, we can work with it.
    b. If you do NOT already have a calculator:
        i. You do not need to purchase one, but it is recommended to make working on homework easier
        ii. The TI-84 calculator is recommended.
3. **BYOD**
    a. You will need a device frequently in this class. Be sure your phone, if you have one, is charged and available for class
    b. If you do not have a phone or it gets taken up, I have chromebooks available
    c. If you have a laptop or iPad, you are welcome to bring that to class for your BYOD device
    d. STRONGLY RECOMMENDED Apps (if you can): Geogebra, Google Classroom, a QR Reader, Remind

Syllabus for Geometry and PAP Geometry 2017-2018
Daniel Ninth Grade Campus Room

It is very important that students **LEARN THE CURRENT LESSON TO SUCCEED WITH THE FOLLOWING LESSONS**. This includes **studying & memorizing** the rules, studying examples, solving application problems, and **showing work**. **IT IS ESSENTIAL TO COMPLETE EACH DAY'S ASSIGNMENT**! Students are expected to **display initiative and responsibility in the areas of time management and self-motivation**. This is a pre-AP class, so the student is expected to manage his/her workload independently. You may contact me for any reason at any time!

1st Semester

- Tools of Geometry - points, lines, planes, reasoning and proof
- Transformations and Symmetry - translations, reflections, rotations
- Congruence - sequences of transformations, proving congruence
- Lines and Angles - angles of intersection, transversals across parallel lines
- Triangle Congruence Criteria - triangle congruence theorems and proving triangles congruent
- Applications of Triangle Congruence - justifying constructions
- Properties of Triangles - interior & exterior angles, special triangles, and triangle inequalities
- Special Segments in Triangles - perpendicular bisectors, medians, angle bisectors, altitudes, midsegments
- Properties of Quadrilaterals - parallelograms, rectangles, rhombuses, squares

2nd Semester

- Coordinate Proof Using Slope and Distance - slope and parallel/perpendicular lines, coordinate proofs with segments, triangles, and quadrilaterals
- Similarity and Transformations - dilations, proving similarity, corresponding parts
- Using Similar Triangles - triangle proportionality theorem, subdividing a segment, using proportional relationships
- Trigonometry with Right Triangles - sine, cosine, tangent, special right triangles
- Angles and Segments in Circles - central, inscribed angles, angles in inscribed quadrilaterals, tangents, segment relationships
- Arc Length and Sector Area - circumference and area of circles and sectors, arc length and radian measures
- Volume Formulas - prisms, cylinders, pyramids, cones, and spheres
- Visualizing Solids - cross sections, surface area of solids
- Modeling and Problem Solving - geometric probability, scale factor, regularity, geometry on a sphere
- Introduction to Probability - probability and set theory, permutations, combinations, mutually exclusive and overlapping events
- Conditional Probability and Independence of Events - conditional, independent, and dependent events