

# Geometry

Duke Ellington School of the Arts

**Mrs. Katrina Kasinowski**

Pronounced: Kaz - in - now - ski

Room: 309

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DCPS is following the Illustrative Math curriculum. All materials including support for family are available online at <https://im.kendallhunt.com/HS/index.html>. For the first several units, students practice generating conjectures and observations. This begins with work on compass and straightedge constructions. They gradually build up to formal proof, engaging in a cycle of conjecture, rough draft, peer feedback, and final draft narratives. Students build on their middle school study of transformations of figures. They apply these theorems to prove results about quadrilaterals, isosceles triangles, and other figures. Next, students derive volume formulas and study the effect of dilation on both area and volume. They connect ideas from algebra and geometry through coordinate geometry, reviewing theorems and skills from prior units using the structure of the coordinate plane. Students analyze relationships between segments and angles in circles and develop the concept of radian measure for angles, which will be built upon in subsequent courses.

## WHAT TO BRING

- Computer with charger
- Math Journal
- Pencil

## MATH JOURNALS

1. Log of student learning for the year and a great reference

## WHAT TO EXPECT

- Student lead learning with teacher supports
- Revise and refine assignments

## FOOD/DRINK

Eat in the cafeteria only! I do not want any extra critters in my room!

## GRADE CATEGORIES

- 50% Practice & Application  
Lesson Completion
- 40% Assessments  
RCT, ANET, Quiz
- 10% Engagement  
Math Journal

## HOW TO GET HELP

- Tutoring - email Mr. Ashiara for dates and times  
[Victor.Ashiara@k12.dc.gov](mailto:Victor.Ashiara@k12.dc.gov)
- Help from Mrs. K during advisory - students must get pass from teacher by the end of lunch same day - no more than 5 students at a time

## LATE WORK

- Alternate assignment for work not submitted by the due date
- Late work will receive a maximum grade of B

## ONLINE RESOURCES

- Canvas - main hub
- Desmos - classwork
- Delta Math - practice & late work

## TESTING

Students will be required to turn in cell phones before taking any tests or quizzes

## GRADE CODES

- WS - 50% no work submitted
- F - 63% poor quality work
- OM - assignment omitted from grade calculations

## CELL PHONES

Cell phones and Headphones should not be visible during class

## REMINDERS

- Remind
- Canvas Calendar
- Google Calendar

## MATH JOURNALS

1. Constructions and rigid transformations
2. Congruence
3. Similarity
4. Right Triangle Trigonometry
5. Solid Geometry
6. Coordinate Geometry
7. Circles
8. Conditional Probability