| Name: Woods | | Grading Quarter: 3 | Week Beginning: 2/05/24 |
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| School Year: 23-24 | | Subject: Geometry | |
| Monday | Notes: | Objective: Students will be able to perform translations in the plane.<br><br>Lesson Overview:<br>Define terms – rigid transformation, translation, rotation, reflection<br>Complete translations both on and off the coordinate plane. | Academic Standards:<br><br>G.CO.2 Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch). |
| Tuesday | Notes: | Objective: Students will be able to perform rotations and reflections in the plane.<br><br>Lesson Overview:<br>Practice rotations and reflections both on and off the coordinate plane. Give formulas. Finish with Student.desmos.com: Transformation Golf. | Academic Standards:<br>G.CO.2 Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch). |
| Wednesday | Notes: | Objective: Students will be able to calculate the volume of three-dimensional objects.<br><br>Lesson Overview:<br>Naming and classifying prisms and pyramids by base shape, cylinders and spheres. Give volume formulas. | Academic Standards:<br>G.GMD.3<br>Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems. |
| Thursday | Notes: | Objective: Students will be able to calculate the surface area of three-dimensional objects.<br><br>Lesson Overview:<br>Naming and classifying prisms and pyramids by base shape, cylinders and spheres. Give surface area formulas. | Academic Standards:<br>G.GMD.3<br>Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems. |

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| Friday | Notes: | Objective: Students will be able to explore rigid transformations.<br><br>Lesson Overview:<br>Review transformations with Student.desmos.com: Polygraph | Academic Standards:<br>G.CO.2 Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch). |