



# WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

24-25 Lesson Plan Template

Teacher: Nkechi Chuke-Oweina

Subject: Geometry PREAP

Week of: 24 – 28 Feb	Monday	Tuesday	Wed./Thurs.	Friday
TEKS	G.11.A	G.11.A	G.11.A	G.11.A
Learning Objective	Students will be able to identify features of solids, classify the solid and use Euler's formula to solve for the numbers of faces, edges, and vertices.	Students will be able to identify the bases and the lateral faces of a solid and apply the formula to find volumes of prisms.	Students will be able to identify the bases and the lateral faces of a solid and apply the formula to find volumes of pyramids.	Students will be able to apply the volume formula for cylinders, cones, and spheres.
Higher Order Thinking Questions	How can the Euler's formula be applied to solids?	How can the formula of volumes of prisms be applied in problem-solving?	How can the formula of volumes of pyramids be applied in problem-solving?	What are the applicable volume formulas for cylinders, cones, and spheres?
Agenda	1. Do Now 2. Direct Instruction: Notes for Exploring Solids from Topic 14 – Volume Packet. 3. Practice: Students will complete problems for Exploring Solids from topic 14. 4. DOL	1. Do Now 2. Direct Instruction: Notes for Volume of Prisms from Topic 14 – Volume Packet. 3. Practice: Students will complete problems for Volume of Prisms from topic 14. 4. DOL	1. Do Now 2. Direct Instruction: Notes for Volume of Pyramids from Topic 14 – Volume Packet. 3. Practice: Students will complete problems for Volume of Pyramids from topic 14. 4. DOL	1. Do Now 2. Direct Instruction: Notes for Volume of Cylinders, Cones, and Spheres from Topic 14 – Volume Packet. 3. Practice: Students will complete problems Volume of Cylinders, Cones, and Spheres from topic 14. 4. DOL
Demonstration of Learning	Given a set of problems, students will correctly solve <u>Exploring Solids</u> problems in at least 4 of 5 questions.	Given a set of problems, students will correctly solve <u>Volume of Prisms</u> problems in at least 4 of 5 questions.	Given a set of problems, students will correctly solve <u>Volume of Pyramids</u> problems in at least 4 of 5 questions.	Given a set of problems, students will correctly solve <u>Volume of Cylinders, Cones, and Spheres</u> problems in at least 4 of 5 questions.

<b>Intervention &amp; Extension</b>	<ul style="list-style-type: none"> <li>• Lunch Tutorials</li> <li>• Re-Teach</li> <li>• Canvas page</li> <li>• Delta Math / Khan Academy</li> </ul>	<ul style="list-style-type: none"> <li>• Lunch Tutorials</li> <li>• Re-Teach</li> <li>• Canvas page</li> <li>• Delta Math / Khan Academy</li> </ul>	<ul style="list-style-type: none"> <li>• Lunch Tutorials</li> <li>• Re-Teach</li> <li>• Canvas page</li> <li>• Delta Math / Khan Academy</li> </ul>	<ul style="list-style-type: none"> <li>• Lunch Tutorials</li> <li>• Re-Teach</li> <li>• Canvas page</li> <li>• Delta Math / Khan Academy</li> </ul>
<b>Resources</b>	Notebook, writing utensil, laptop, and packet material.	Notebook, writing utensil, laptop, and packet material.	Notebook, writing utensil, laptop, and packet material.	Notebook, writing utensil, laptop, and packet material.