Westside High School - Weekly Plan to Align Lessons (Week at a Glance) – SY 25-26

Subject: Math **Course: Geometry** **Date(s): November 10th – November 14th**

Standard:
G.GSR.6 Examine side ratios of similar triangles; use the relationship between right triangles to develop an understanding of sine, cosine, and tangent to solve mathematically applicable geometric problems and to model and explain real-life phenomena.

Assessment: ☐ **Quiz** ☐ **Unit Test** ☐ **Project** ☐ **Lab** ☐ **None** ☐ **Exit Ticket**

	Pre-Teaching Learning Target Success Criteria 1 Success Criteria 2	**Activation of Learning** *(5 min)* • Do Now • Quick Write* • Think/Pair/Share • Polls • Notice/Wonder • Number Talks • Engaging Video • Open-Ended Question	**Focused Instruction** *(10 min)* ***I DO*** • Think Aloud • Visuals • Demonstration • Analogies* • Worked Examples • Nearpod Activity • Mnemonic Devices*	**Guided Instruction** *(10 min)* ***WE DO*** • Socratic Seminar * • Call/Response • Probing Questions • Graphic Organizer • Nearpod Activity • Digital Whiteboard	**Collaborative Learning** *(10 min)* ***Y'ALL DO*** • Jigsaw* • Discussions* • Expert Groups • Labs • Stations • Think/Pair/Share • Create Visuals • Gallery Walk	**Independent Learning** *(10 min)* ***YOU DO*** • Written Response* • Digital Portfolio • Presentation • Canvas Assignment • Choice Board • Independent Project • Portfolio	**Closing** *(5 min)* • Group Discussion • Exit Ticket • 3-2-1 • Parking Lot • Journaling* • Nearpod
Monday	**Learning Target:** I can describe and perform dilations and similarity transformations on geometric figures using coordinates and scale factors. **Success Criteria:** I can apply rules for dilations centered at the origin or other points and explain how transformations show two figures are similar.	Quick warm-up—review scale factor meaning and proportionality.	Model how to perform dilations centered at the origin using coordinate rules (multiply each coordinate by the scale factor).	Practice together with examples on graph paper.	Students work in pairs completing coordinate dilations using teacher-provided figures.	Independent practice sheet.	Exit ticket—describe how a dilation changes a figure's size but not shape.
Tuesday	**Learning Target:** I can describe and perform dilations and similarity transformations on geometric figures using coordinates and scale factors. **Success Criteria:** I can apply rules for dilations centered at the origin or other points and explain how transformations show two figures are similar.	**Happy Veterans Day!**	**Happy Veterans Day!**	**Happy Veterans Day!**	**Happy Veterans Day!**	**Happy Veterans Day!** .	**Happy Veterans Day!**
Wednesday	**Learning Target:** I can describe and perform dilations and similarity transformations on geometric figures using coordinates and scale factors.	Review how to dilate from the origin.	Model dilation when the center is not the origin	Guided example using a center other than (0,0).	Students practice with partners on graph paper using different centers.	Individual practice with mixed examples.	Reflection—how does changing the center affect the image's position?

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	Success Criteria: I can apply rules for dilations centered at the origin or other points and explain how transformations show two figures are similar.		(using translation before/after scaling).				
Thursday	**Learning Target:** I can describe and perform dilations and similarity transformations on geometric figures using coordinates and scale factors. **Success Criteria:** I can apply rules for dilations centered at the origin or other points and explain how transformations show two figures are similar.	Delta Math Assignment Using Trig Ratios Finding the Missing Sides and Angles of A right Triangle	Delta Math Assignment Using Trig Ratios Finding the Missing Sides and Angles of A right Triangle	Delta Math Assignment Using Trig Ratios Finding the Missing Sides and Angles of A right Triangle		Delta Math Assignment Using Trig Ratios Finding the Missing Sides and Angles of A right Triangle	Delta Math Assignment Using Trig Ratios Finding the Missing Sides and Angles of A right Triangle
Friday	**Learning Target** I can use the Triangle Proportionality Theorem to find missing side lengths and explain why segments in a triangle are proportional. **Success Criteria** I can identify when sides of a triangle are proportional, set up and solve proportions to find missing measures, and justify relationships using the Triangle Proportionality Theorem.	Warm-up—review properties of similar triangles.	Model how to use proportional sides in triangles (Triangle Proportionality Theorem).	Work through examples identifying parallel lines creating proportional segments.	Small group practice using diagrams to find missing sides.	Independent problems applying the theorem.	Exit ticket—explain how proportional sides help prove triangles are similar.

**key literacy strategies*