learning focus:

- use angle relationships to write and solve equations
- \checkmark construct triangles with given conditions
- determine the conditions for a unique triangle, more than one triangle or no triangle





a 7 day CCSS-aligned unit CCSS: 7.G.2, 7.G.5

ready-to-go, scaffolded student materials

ANGLES & TRIANGLES UNIT

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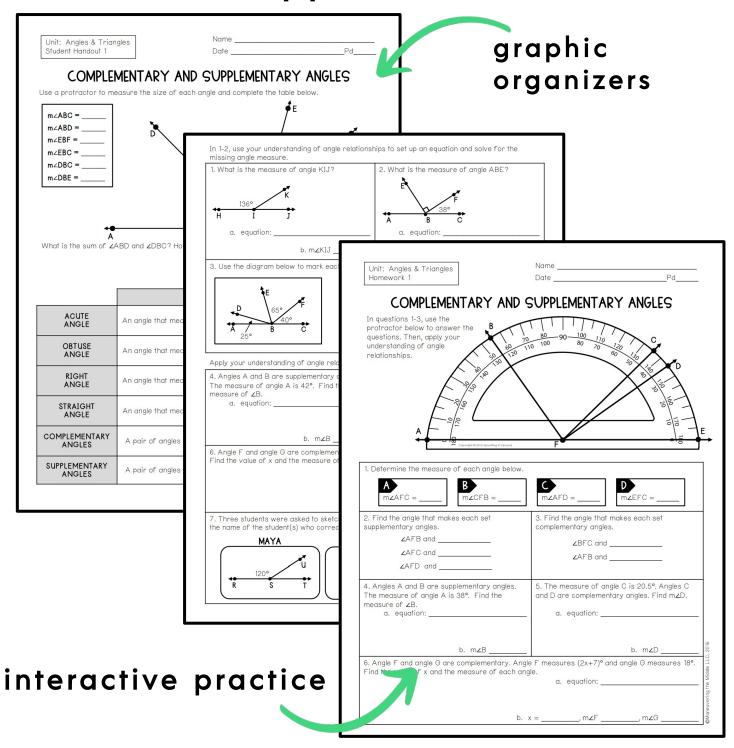
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a 7 day CCSS-aligned unit CCSS: 7.G.2, 7.G.5

student friendly + real-world application



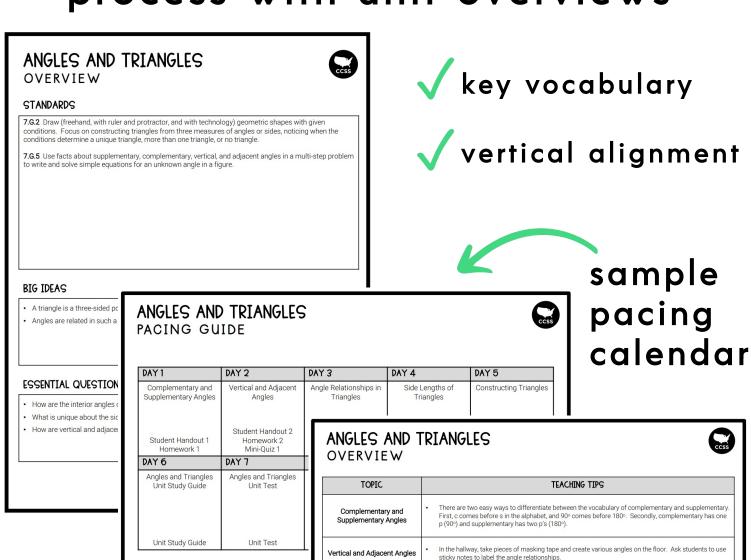
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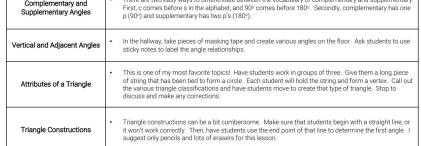
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CCSS: 7.G.2, 7.G.5

streamline your planning process with unit overviews



teaching ideas



This lesson is a very small introduction to formal Geometry concepts and theorems. Students should be able to apply the Angle Sum Theorem and the Triangle Inequality Theorem to determine if a set of given conditions creates a triangle.

Triangle Conditions

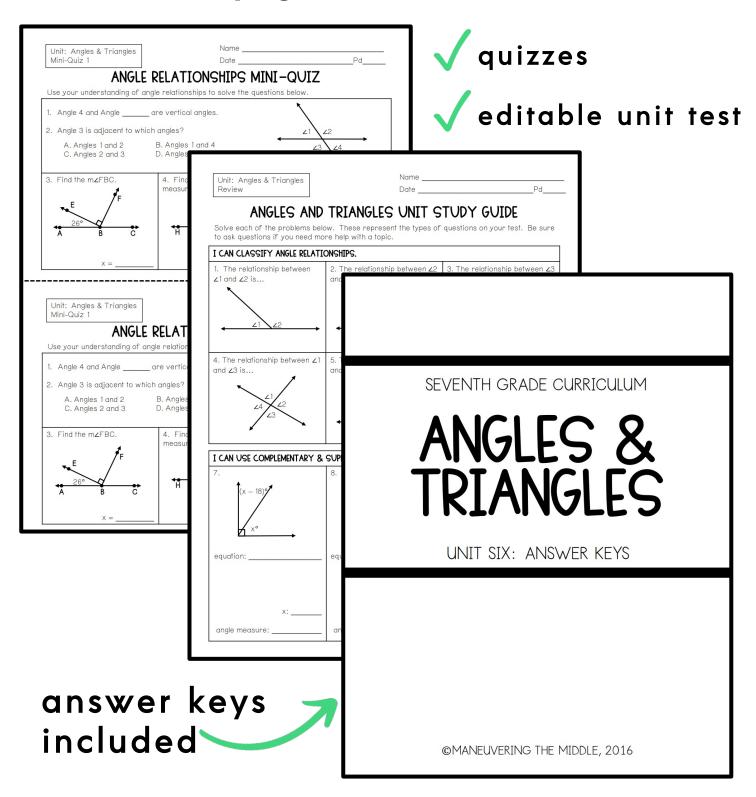
A fun game to play is a twist on four corners. Label three different corners of the room with the
phrases, "no triangle", unique triangle", and "more than one triangle". Then, give students a condition
and ask them to move to the appropriate corner of the room. Give students time to discuss in their
group and then share with the class.

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a 7 day CCSS-aligned unit CCSS: 7.G.2, 7.G.5

unit study guide + assessments



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