

Clarity for Learning	
Standard KY.HS.G.5 Know and apply the concepts of triangle congruence.	
Concepts (Nouns) congruent corresponding sides corresponding angles Side-Side-Side (SSS) Side-Angle-Side (SAS) Angle- Side-Angle (ASA)	Skills (Verbs) define prove select
Learning Progressions <i>Prerequisites:</i> <ul style="list-style-type: none"> Use reflections, rotations, and translations to determine if a pre-image can be a transformation of an image. <i>Grade Level Skills:</i> <ul style="list-style-type: none"> Show triangles are congruent by mapping one triangle on to another. Determine if two triangles are congruent by showing corresponding pairs of sides and corresponding pairs of angles are congruent. Use SSS, SAS, and ASA to determine if two triangles are congruent. Use SSS, SAS, and ASA to solve problems with congruent triangles Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent. Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions. <i>Clarifications:</i> Students will use SSS, SAS, and ASA to not only show congruence but to also find measures of triangle parts.	
Learning Intentions (I am learning to...)	Success Criteria (I know I'm successful when...)

Use and explain triangle congruence (ASA, SAS, and SSS).

- I can relate congruence to rigid motions.
- I can demonstrate that two figures are congruent by using one or more rigid motions to map one onto the other.
- I can prove triangle congruence by AAS, SAS and SSS criteria.
- I can use triangle congruence to solve problems.