

SUBJECT: MATHEMATICS

CLASS: IX

**CHAPTER NUMBER: 7**

**CHAPTER NAME: TRIANGLES**

**EXPERIENTIAL LEARNING ACTIVITY:**

Video Link:

<https://www.youtube.com/watch?v=8jaVoGOwbC0>

[Based on application of congruence]

- Students should collect some congruent figures and display it inside the class room.

**CURIOSITY QUESTIONS:**

1. Can a triangle have two obtuse angles?
2. Of the three angles of a triangle, one is twice the smallest and another is three times the smallest. Find the angles?
3. What would happen if sum of the sides of the triangle is less than or equal to the third side?

**THINK ABOUT:**

1. Why is ASS congruence not possible?
2. What is the distance of the line from the point (outside the line)?
3. If two circles intersect at two points, will their centers lie on the perpendicular bisector of the common chord?