

LESSON PLAN

Teacher: Subject: Geometry Topic: Angles of a Triangle	Materials: Text Computer Geometry Sketchpad Notebook
Objectives: 1. To discover the Exterior Angle Theorem 2. To discover the Angle Sum Theorem 3. To discover relationships in any triangle between the measures of its angles and the sides opposite those angles	IGO's G.1 G.4 G.5 G.23
Procedures: 1. Distribute the lab activity to each student and have him work through the lab. 2. Walk around observing students at work. Ask leading questions, if necessary, to help students discover the given theorems. 3. Students will complete lab in approximately 30-40 minutes.	
Notes: The following sites may be helpful in extending this lesson on angle and sides in a triangle: www.saltire.com/applets/triangles/tri3s.htm www.saltire.com/applets/triangles/tri2sia.htm www.saltire.com/applets/triangles/tri2snia.htm www.saltire.com/applets/triangles/tri2a.htm http://library.advanced.org/20991/home.html They include a calculator that finds the unknown sides and angles of a triangle given 3 sides, 2 sides and the included angle, 2 sides and the non-included angle, and two angles and the included side.	
Evaluation: Oral questioning Responses to written questions	Provisions for special needs Individual tutoring from teacher Manipulative use Calculator use