

<b>Grade 3</b>	<b>Lesson: 11-2 Angles</b>	Reference to English
<b>Math Standard(s): 3.G.1</b>		<b>Domain: Geometry</b>
<b>Content objective(s):</b>		<b>Language Objective(s):</b>
Students will identify and classify angles in relation to right angles. <i>我会认出并分类角度。</i>		
<b>Essential Understanding</b> An angle is formed by two rays with a common endpoint. Angles can be classified by their size.		<b>Required Academic Vocabulary for Word Wall:</b> <b>Listen:</b> 射线, 角度, 顶点, 直角, 垂直, 锐角, 钝角 <b>Read:</b> <b>Write:</b> <b>Speak:</b> : 射线, 角度, 顶点, 直角, 垂直, 锐角, 钝角 <b>Sentence Frame:</b>
<b>Materials:</b> <ul style="list-style-type: none"> <li>2 pipe cleaners or 2 strips of paper and 1 paper fastener (per group)</li> <li>Guided and Independent Practice</li> </ul>		<b>Additional Lesson Vocabulary:</b>
<b>Lesson:</b>		<b>Instructional Time: 30 – 35 minutes</b>
<b>Opening: (5 minutes)</b> <ul style="list-style-type: none"> <li>Review points, lines and line segments.</li> </ul> <b>T: “今天你会学习到关于角(角度)。”</b> <ul style="list-style-type: none"> <li>Write the letters L and V on the board.</li> </ul> <b>T: “L 里有几个线段?”</b> <b>T: “V 有几个线段?”</b> <b>T: “它们有什么相同点? 告诉你旁边的同学。”</b> <b>T: “它们哪里不一样? 告诉你旁边的同学。”</b> <b>Introduction to New Material (Direct Instruction): (8 minutes)</b> <ul style="list-style-type: none"> <li>Use page 278B in the Teachers’ Manual.</li> <li>Go over the vocabulary and write them on the board with pictures (or use vocabulary cards)</li> </ul> <b>Guided Practice: (8 minutes)</b> <u>Use the modeling cycle:</u> <b>Teacher Does:</b> <ul style="list-style-type: none"> <li>Draw 6 different ways to line segments can meet at a point as a whole group.</li> <li>Explain the different types of angles.</li> </ul> <b>All Students Do:</b> <b>T: “两个一组来画出并说出角的名称。一个人画，一个人说出角的名称。每个人要做两题。”</b> <b>Independent Practice: (5 minutes)</b> <b>T: “请翻到 278 页并回答第 1—4 和 8—11 题。”</b> <b>Closing: (6 minutes)</b> <ul style="list-style-type: none"> <li>Do problems 12-15 as a whole group.</li> <li>Have students use whiteboards to draw the angles.</li> <li>Do problems 16-18 just for fun!</li> </ul>		
<b>Assessment:</b>		
<b>Guided and Independent Practice</b>		