

Science Lesson Plan

Day: Monday Date: 27/8/2012 Time: Period 4 Class: Yr 8.08

Subject: Maths Topic: Complementary and Supplementary Angles

Students' Prior Knowledge and Experience:

- Naming angles
- measuring angles
- Basic algebra

Aus Curriculum: The relationships between complementary and supplementary angles. Complementary angles add up to 90° and supplementary 180°

Learning Purposes:

- Supplementary angles = 180°
- Complementary angles = 90°
- The relationships between the angles can be used to calculate an unknown angle.

Student Evaluation:

- Student worksheet
- Book work
- Questioning

Resources:

- Maths for WA1 pg 192-195
- Worksheet otherwise work from book

<p>Timing: 5 mins</p>	<p>Learning Experiences: Mental Maths</p>
<p>10 mins</p>	<p><u>Introduction</u> Revise how we name angles and measure angles.</p> <ul style="list-style-type: none"> • Angle $\angle ABC$. B is the vertex • Vertex is the point where the sides of the angle meet <p>Adjacent angles</p> <ul style="list-style-type: none"> • Explain Adjacent angles= 2 or more angles that are next to each other and share a common vertex. <p>Complementary angles</p> <ul style="list-style-type: none"> • Explain what a complementary angle is (2 adjacent angles that add up to 90°) • Examples: $65 + 25$ are complementary angles • $54 +$ what are complementary angles? = 36 <p>Supplementary angles</p> <ul style="list-style-type: none"> • Explain that Supplementary angle = 2 adjacent angles that add up to 180° • Go through a couple of examples on the board on how to calculate missing angles.
<p>35 mins</p>	<p><u>Main</u> <u>General Questions</u> (All students start and complete. Strong students only have to do first and last two questions of each section if they feel comfortable) Students work through book questions 7E Q1-5 and 7F Q1-5 pg 192-195. Ans = pg 478</p> <p><u>Additional Questions</u> (Students move onto once completed general questions, unfinished worksheet = homework) Students work through work sheet</p> <p><u>Extension Questions</u> Students work through book extension questions 1-4 pg 206-8</p>
<p>10 mins</p>	<p><u>Brain Teasers</u> (only after extension questions completed) 3 Brain teaser questions on board from brain teaser book.</p> <p><u>Conclusion</u> Go through answers to questions and pack up</p>