

MATHEMATICS – MYP 2 (YEAR 8) , TERM 2
AL JAZEERA ACADEMY
MIDDLE YEARS PROGRAMME, 2009-2010

TOPICS	OBJECTIVES	AREAS OF INTERACTION	ASSESSMENT CRITERIA
<p>Topic 9: Length and Area 1 Week</p> <p>Unit Question: How can we use length and area calculations in daily lives?</p> <p>Key Questions: How do we:</p> <ul style="list-style-type: none"> ✓ Convert between units of length? ✓ Measure and calculate perimeters of polygons? ✓ Convert between area units? ✓ Calculate areas of polygons? ✓ Calculate areas of composite shapes 	<p>Students should have knowledge of/be able to:</p> <p>A – Knowledge and Understanding</p> <ul style="list-style-type: none"> ⇒ Measure and calculate perimeters of polygons. ⇒ Find lengths of curves. ⇒ Calculate areas of polygons (squares, rectangles, triangles, parallelograms and trapezia). ⇒ Calculate areas of composite shapes <p>B – Investigating Patterns</p> <ul style="list-style-type: none"> ⇒ Convert between units of length. ⇒ Convert between area units. ⇒ Investigate the area of a triangle. ⇒ Polyominoes. <p>C – Communication in Mathematics</p> <ul style="list-style-type: none"> ⇒ Use correct units for length, perimeter and area. ⇒ Show working when calculating perimeter and area. 	<p>Approaches to learning:</p> <ul style="list-style-type: none"> • Use concepts and skills associated with measures. • Develop critical thinking. • Assess and evaluate own work. • Use scientific calculator. • Visualise distance, perimeters and areas. <p>Health and Social Education:</p> <ul style="list-style-type: none"> • Population Density 	<p>A: Knowledge and Understanding (8) B: Investigating Patterns (8) C: Communication (6) D: Reflection and Evaluation (6) TOTAL: 28</p> <p>Assessments:</p> <ul style="list-style-type: none"> ▪ Mental Arithmetic Test. (A) ▪ Investigation: Snowflakes. (B, C)