

MATHEMATICS – MYP 1(YEAR 7), TERM 2
AL JAZEERA ACADEMY
MIDDLE YEARS PROGRAMME, 2009-2010

TOPICS	OBJECTIVES	AREAS OF INTERACTION	ASSESSMENT CRITERIA
<p>Topic 4: Problem Solving 1 weeks</p> <p>Unit Question: How likely is it to get an even chance on the likelihood scale?</p> <p>Content/Key Questions:</p> <ul style="list-style-type: none"> ✓ What is the difference between certain, impossible and possible? ✓ How do we use the trial and error method? ✓ How do I solve a problem by making possibility lists? ✓ When does an event have an even chance? ✓ How do we act out or draw a problem if we are unsure? ✓ What are the different outcomes of an event? ✓ How do we look for a pattern by making a table of simpler problems? ✓ How do we use a likelihood scale? ✓ Why does working backwards solves many problems? ✓ What is a probability scale and how do we use it? ✓ What is the difference between an event and an outcome? ✓ How do we determine the event of something not happening? 	<p>Students should have knowledge of / be able to:</p> <p>A – Knowledge and Understanding</p> <ul style="list-style-type: none"> ➤ Understand the difference between an event and an outcome; ➤ Identify the different outcomes of an event by using different methods of solving problems. ➤ Use a likely hood scale to determine the outcome of an event; <p>B- Investigating Patterns</p> <ul style="list-style-type: none"> ➤ Predict a method to solve problems; <p>C - Communication in Mathematics</p> <ul style="list-style-type: none"> ➤ Use appropriate terminology such as certain, impossible and possible to explain probabilities; <p>D - Reflection in Mathematics</p> <ul style="list-style-type: none"> ➤ Determine the probability of something <u>not</u> happening; ➤ Understand what experimental probability is. ➤ Determine the best method of solving different problems. 	<p>Approaches to learning:</p> <ul style="list-style-type: none"> *Be organised and ready for work; *Be precise in recording data; *Comprehend, interpret & evaluate data; *Make predictions and share with peers. <p>Health and Social:</p> <ul style="list-style-type: none"> *Look at statistics and come up with predictions on <u>life expectancy</u> in different parts of the World at present and in the future. 	<p><u>A: Knowledge & Understanding (8)</u></p> <p><u>B: Investigating Patterns (8)</u></p> <p><u>C: Communication in Mathematics (6)</u></p> <p><u>D: Reflection in Mathematics (6)</u></p> <p><u>TOTAL: 28</u></p> <p>Assessments:</p> <ul style="list-style-type: none"> □ Investigation in the classroom where students: <ul style="list-style-type: none"> ○ Perform an experiment; ○ Record results; ○ Make deductions; ○ Reflect on results & suggest improvements (B, C, D).