

MATHEMATICS – MYP 3 (YEAR 9) , TERM 2
AL JAZEERA ACADEMY
MIDDLE YEARS PROGRAMME, 2009-2010

TOPICS	OBJECTIVES	AREAS OF INTERACTION	ASSESSMENT CRITERIA
<p>Topic 11: Algebra ± 1 Week</p> <p>Unit Question: Who can people use algebra?</p> <p>Key Questions</p> <ul style="list-style-type: none"> ✓ How do I translate/convert word sentences into algebraic form? ✓ How do I translate/convert word sentences into algebraic equations? ✓ How can I use equations to solve problems? ✓ How can I find an unknown from a formula? ✓ What is a linear equation? ✓ How do I solve linear inequations? 	<p>Students should have knowledge of/be able to:</p> <p>A – Knowledge and Understanding</p> <ul style="list-style-type: none"> ⇒ Know how use equations to solve problems. ⇒ Find an unknown from a formula. ⇒ Solve linear inequations. <p>C - Communication in Mathematics</p> <ul style="list-style-type: none"> ⇒ Translate/convert word sentences into algebraic form. ⇒ Translate/convert word sentences into algebraic equations. ⇒ Use inequation signs and represent inequalities on number lines. <p>D - Reflection in Mathematics</p> <ul style="list-style-type: none"> ⇒ Solve real life problems by writing and solving own equations to find an unknown. 	<p>Approaches to learning:</p> <ul style="list-style-type: none"> • Use letters to represent numbers. • Use formulae to help solve problems. • Performing basic operations. • Assess and evaluate own work. • Apply mathematical concepts. <p>Human Ingenuity:</p> <ul style="list-style-type: none"> • Discuss the importance of formulae discovered by mathematicians and scientists e.g. $E = mc^2$. 	<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"> <input type="checkbox"/> Mental Arithmetic Test. (A)