

Jeddah Grammar International School Grade 7 - Entrance Exam Outline

Subject: English (The syllabus is based on the Cambridge Curriculum Framework)

Topic Outline	
<p>Reading: Unseen comprehension Text types- fiction and non-fiction</p> <p>Grammar and punctuation:</p> <ul style="list-style-type: none"> - Direct and indirect speech - simple, compound and complex sentences - Use of punctuation like comma, colon, semi-colon, dash, ellipses - Adverbs - Connectives - Apostrophes 	<p>Writing</p> <ul style="list-style-type: none"> - Argumentative essays - Friendly letter - Writing short story science-fiction, fantasy, adventure or realistic fiction <p>Spelling:</p> <ul style="list-style-type: none"> - Prefixes and suffixes, word families

Subject: Mathematics

Topic Outline	
<p><u>Number and Number System</u> <u>Whole Numbers & Decimals</u></p> <ul style="list-style-type: none"> ▪ Place Value of Whole Numbers up to a million. ▪ Place Value of Decimals up to 3 decimal places. ▪ Rounding whole numbers to a specified number of places. ▪ Rounding decimals up to 2 decimal places. ▪ Comparing and ordering whole numbers, decimals and fractions. ▪ Positive and Negative Number sequences. ▪ Factors and Multiples. ▪ Prime and Composite Numbers. ▪ Divisibility rules for 2, 3, 4, 5, 6, 9, 10, 25, and 100. ▪ Comparing and ordering whole numbers, decimals and fractions. ▪ Finding fractions or percentages of 	<ul style="list-style-type: none"> ▪ Ratio and Proportion. ▪ Problem solving involving Addition, Subtraction, Multiplication and Division. ▪ Convert mixed numbers into improper fractions and vice versa. ▪ Finding equivalent fractions and simplest forms of fractions, Fraction and decimals equivalents. <p><u>Geometry</u></p> <ul style="list-style-type: none"> ▪ Classification of triangles. And quadrilaterals and their properties ▪ Classification of angles ▪ Perpendicular and parallel lines. ▪ Area and Perimeter of squares and rectangles. ▪ Identification of 2D and 3D shapes. <p><u>Time</u></p> <ul style="list-style-type: none"> ▪ Reading Time in 12– or 24– hour clock using digital and analogue clocks.

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<p>quantities.</p> <ul style="list-style-type: none"> ▪ Converting between fractions, decimals and percentages ▪ Addition and Subtraction of decimals up to 2 decimal places. ▪ Multiplying two 2– digit numbers. ▪ Dividing a 3– digit number by a single– digit number. ▪ Multiplying a decimal by a whole number. 	<ul style="list-style-type: none"> ▪ Calculating Time Intervals. <p>Handling Data</p> <ul style="list-style-type: none"> ▪ Bar charts, pie charts and line graphs ▪ Averages and ranges ▪ Probability.
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Subject: Science

Topic Outline	
<ul style="list-style-type: none"> ● Differentiate between cell,tissue,organ,organ system in an organism ● Know organs and functions of digestive system (introduction) ● Know organs and functions of nervous system (introduction) ● Know organs and functions of excretory system (introduction) ● Know organs and functions of circulatory system (introduction) ● Knowledge of simple separation techniques like sieving ,filtration,evaporation and simple distillation ● Know about food chain,different modes of nutrition ● Know about different forms of energy 	<ul style="list-style-type: none"> ● Know reversible and irreversible reactions ● Know arrangement of particles in solids, liquids and gases ● Define force and its relation with mass and weight ● Different ways how force affects the motion of an object -by starting or stopping an object, changing direction of moving object,speeding up or slowing an object. ● Know about contact forces and non contact forces like magnetic force and gravitation ● Know opposite poles attract in a magnet and like poles repel. ● Know about elements,compounds and mixtures