



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)

(Academic Session 2025-2026)

Entrance Test Syllabus (Playgroup)

Syllabus	
Parents Interview. <ul style="list-style-type: none">• (The child and his/her mother must be present at the time of interview.)	



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Entrance Test Syllabus (Nursery)

Subject	Syllabus
Math	<ul style="list-style-type: none">● Trace over the Strokes (dotted lines)● Recognize the shapes (Orally)<ul style="list-style-type: none">-Circle-Square-Rectangle-Triangle● Recognition of numbers and tracing (0 - 10)● Identify a few colours. (Red, Green, Blue, Yellow)
English	<ul style="list-style-type: none">● Recognition of Letters (Aa-Zz) (Upper and lower case)● Trace the alphabets (Aa-Zz)● Initial sound of the letters (Aa - Zz)



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Entrance Test Syllabus (Reception)

Subject	Syllabus
Math	<ul style="list-style-type: none">Numbers recognition and formation 0 -20Shapes recognition 2D (circle,square,rectangle,triangle,oval)Backward counting 10-0Colours recognition
English	<ul style="list-style-type: none">Letters formation and recognition Aa-Zz (upper,lower)Initial sound of the letters Aa - ZzRecognition of the vowels (a,e,i,o,u)Match the letters with the picture
Urdu	<ul style="list-style-type: none">حروف تہجی کی پہچان اڑتصویر کی شروع کی آوازحرف کو تصویر سے ملانامصوتوں کی پہچان (ا،و،ی۔ے)رنگوں کی پہچان



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Entrance Test Syllabus (Grade I)

Subject	Syllabus
Math	<ul style="list-style-type: none">• Forward Counting 1-100• Missing Counting 1-100• Backward Counting 20-0• Patterns• One digit Addition• One digit Subtraction• Number Names 1-20• 2D Shapes
English	<ul style="list-style-type: none">• Phonemic Awareness (The ability to hear and identify the individual sounds in spoken words)• Short CVC words (e.g : cat, bed ,bib ,pop ,cub)• Long Vowels words (a ,e, i)• Digraphs (two letters representing one phoneme e.g th,oo,sh,ch)• Short Comprehension (Unseen)• Punctuation (Use of Capital Letter, Period and Question mark)
Urdu	چار حرفی الفاظ جوڑنا اور الگ کرنا بصری ذخیرہ الفاظ کی مدد سے خالی جگہ پر کرنا تصویر کی مناسبت سے لفظ مکمل کرنا چار حرفی الفاظ اور جملوں کی بلند خوانی تفہیم



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Entrance Test Syllabus (Grade II)

Subject	Syllabus
Math	<ul style="list-style-type: none">Counting on and counting back Numbers (1-20).Writing and Comparing Numbers (1-20).Number Names (1-100).Fraction (halves).2D Shapes (straight, curve).3D shapes (edges, faces).Measurement (long, short, heavy, light, tall, thin and wide).Statistics (Sets, Venn diagrams, pictograms and Carroll diagrams).Time (o'clock and half past in analogue).
English	<p><u>Comprehension</u></p> <ul style="list-style-type: none">Unseen ComprehensionRead the passage and answer the questions carefullyTrue and False/ Choose the correct option related to the given passage <p><u>Grammar:</u></p> <ul style="list-style-type: none">Nouns,Verbs as action wordsAdjectivesUse of a and anPunctuations (capital letter and full stop) <p><u>Writing Skill:</u></p> <ul style="list-style-type: none">Frame sentences <p><u>Phonics:</u></p> <ul style="list-style-type: none">Consonant blendsRhyming words
Urdu	<p>جملہ سازی گنتی 10-1 بنیادی مصوتوں کی مدد سے لفظ بنانا حروف توڑیں اور جوڑیں</p>



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Entrance Test Syllabus (Grade III)

Subject	Syllabus
Math	<ul style="list-style-type: none">Numbers to 100 (numbers in words and rounding numbers).Addition and subtraction (single & two digits).Compare ($>$, $<$, $=$) and order numbers.Identify the place value of a number (up to tens).Multiplication.(Tables of 2, 3, 4, 5, 10).Time (analogue and digital format).Identification of 2D and 3D shapes.Fractions (halves and quarters).Statistics (Venn diagrams, Pictograms and block graphs).
English	<p><u>Comprehension</u></p> <ul style="list-style-type: none">Unseen ComprehensionRead the passage and answer the questions carefullyTrue and False/ Choose the correct option related to the given passage <p><u>Grammar:</u></p> <ul style="list-style-type: none">NounsAdjectivesVerbsVerb endings(-ed and -ing)Punctuation (Capital letter, comma, fullstop, question mark)HomophonePrepositionPlurals <p><u>Writing Skills:</u></p> <ul style="list-style-type: none">Instruction Writingstory ending <p><u>Phonics:</u></p> <ul style="list-style-type: none">Long 'e' wordsLong 'a' wordsLong 'i' words
Urdu	<p>- جملہ سازی</p> <p>- حروف جار</p> <p>- ارکان سازی</p> <p>"ہے" اور "ہیں" کا استعمال</p>



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Entrance Test Syllabus (Grade IV)

Subject	Syllabus
Math	<ul style="list-style-type: none">● <u>Number and Number System:</u>● Numbers to 1000 (Comparing and ordering)● Place Value up to thousands.● Recognise and locate numbers on a number line.● Rounding numbers to the nearest 10 and 100.● Addition and subtraction (up to 3 digit numbers).● Multiplication. (single digit number by 2-digit number).● <u>Time:</u>● Reading time on digital and analogue clocks.● <u>Geometry:</u>● Venn Diagram and Carroll Diagram.● 2D and 3D shapes.
English	<p><u>Comprehension</u></p> <ul style="list-style-type: none">● Unseen Comprehension● Read the passage and answer the questions carefully● True and False/ Choose the correct option related to the given passage <p><u>Grammatical concepts:</u></p> <ul style="list-style-type: none">● Nouns● Pronouns● Noun phrases● Command verbs● Adjectives● Compound words● Connectives (and, but, because)● Irregular verbs● Plurals● Punctuations (use of full stop and capital letters, use of comma, question marks) <p><u>Writing skills:</u></p> <ul style="list-style-type: none">● Letter writing● Play script writing
Urdu	<ul style="list-style-type: none">● تفہیم● جملہ سازی● گنتی 1-20● واحد، جمع



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Entrance Test Syllabus (Grade V)

Subject	Syllabus
Math	<p><u>Number and Number System</u></p> <ul style="list-style-type: none">• Number sequences (counting forward and backward in 1s, 2s, 3s, 4s, 5s, 10s, 100s, 1000s).• Place Value up to Ten thousands.• Rounding numbers to the nearest whole number as well as 10,100 and 1000.• Ordering and comparing whole numbers.• Identification of odd and even numbers.• Addition and subtraction of whole numbers.• Multiplication of single- digit number by 2-digit number.• Division of 2-digit number by 2 till 10.• Problem solving (word problems related to addition, subtraction, multiplication and division). <p><u>Fractions</u></p> <ul style="list-style-type: none">• Addition and Subtraction of fractions with same denominators.• Ordering and Comparing fractions. <p><u>Geometry</u></p> <ul style="list-style-type: none">• Identification of right, acute and obtuse angles.• Identification of 2D and 3D shapes.• Area and Perimeter.
English	<p><u>Comprehension</u></p> <ul style="list-style-type: none">• Unseen Comprehension• Read the passage and answer the questions carefully• True and False/ Choose the correct option related to the given passage <p><u>Grammatical concepts:</u></p> <ul style="list-style-type: none">• Present, past and future tenses (Simple)• Adverbs and adverbial phrases (time, manner, place)• Adjectives (comparative and superlative forms)• Subject-Verb agreement• Narrative voice (identification of first and third person)• Quantifiers• Simple and compound sentences• Punctuations (use of full stop, speech marks, apostrophes for contractions and possession, commas and capitalization) <p><u>Writing skills:</u></p> <ul style="list-style-type: none">• Character profile• Fable/story writing
Urdu	<p style="text-align: right;">- تفہیم - اسم - مکر مونث - الفاظ متضاد</p>



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Entrance Test Syllabus (Grade VI)

Subject	Syllabus
Math	<p><u>Number and Number System</u></p> <ul style="list-style-type: none">• Whole Numbers & Decimals• Positive and Negative Number sequences.• Factors and multiples• Odd and even numbers• Addition and subtraction of 3 and 4 digit whole numbers• Addition and subtraction of decimals up to 2 decimal places• Rounding off 4-digit numbers to the nearest 10, 100 or 1000• Rounding decimals up to 2 decimal places.• Place Value of whole numbers (up to ten thousand)• Place Value of decimals up to 2 decimal places• Comparing and ordering whole numbers, decimals and fractions• Divisibility rules for 2, 4, 5, 10, 25, and 100.• Problem solving involving Addition, Subtraction, Multiplication and Division.• Multiplying two 2 –digit numbers.• Dividing a 3– digit number by a single–digit number.• Multiplication of decimals by a whole number. <p>• <u>Fractions</u></p> <ul style="list-style-type: none">• Finding equivalent fractions• Fractions and decimals equivalents.• Addition and Subtraction of like fractions. <p><u>Geometry</u></p> <ul style="list-style-type: none">• Identification of 2D and 3D shapes. (faces, vertices and edges)• Classification of triangles.• Classification of angles as acute, obtuse and right angles• Perpendicular and parallel lines• Constructing symmetrical patterns having one-line of symmetry• Area and Perimeter of squares and rectangles <p><u>Time</u></p> <ul style="list-style-type: none">• Reading Time in 12– or 24–hour clocks using digital and analogue clocks.• Calculating Time Intervals. <p><u>Handling Data</u></p> <ul style="list-style-type: none">• Interpreting pictographs and bar graphs.• Probability

<p>English</p>	<p><u>Comprehension</u></p> <ul style="list-style-type: none"> • Unseen Comprehension • Read the passage and answer the questions carefully • True and False/ Choose the correct option related to the given passage <p><u>Grammatical concepts:</u></p> <ul style="list-style-type: none"> • Present, past and future tenses • Adverbs and adverbial phrases. • Adjectives (comparative and superlative forms) • Subject-Verb agreement • Quantifiers • Narrative voice • Modal verbs • Prepositions • Punctuation (use of full stop, commas, contraction, apostrophe , capitalization, question mark and exclamation mark) • Literal & Figurative Language- Alliteration, Personification, Simile, Metaphor, Idioms • Direct & Reported Speech (Simple past and present) <p><u>Writing skills:</u></p> <ul style="list-style-type: none"> • Synopsis writing • Letter Writing
<p>Urdu</p>	<p>* اسم نکرہ اور اسم معرفہ * خط نویسی (رسمی اور غیر رسمی خط) * تفہیم * انگریزی سے اردو ترجمہ</p>
<p>Science</p>	<ul style="list-style-type: none"> • Forces and Magnetism • Gravity, Friction, Air resistance, water resistance and upthrust • Sound energy and the volume and pitch of sound • Human digestive system • Life cycle of flowering plants • Seed dispersal and seed germination • Evaporation and condensation • Seasonal changes



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Entrance Test Syllabus (Grade VII)

Subject	Syllabus
Math	<p>Number and Number System</p> <p>Whole Numbers & Decimals</p> <ul style="list-style-type: none">• Place Value• Rounding• 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, 5, 6, 9, 10.• Finding fractions or percentages of quantities.• Converting between fractions, decimals and percentages.• Arithmetic Operations (fractions, decimals and whole numbers)• 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>Geometry</p> <ul style="list-style-type: none">• Classification of triangles and quadrilaterals, and their properties, angles, perpendicular and parallel lines.• Area and Perimeter of squares, triangles and rectangles.• Identification of 2D and 3D shapes; nets of 3D shapes• Drawing angles.• Circle (parts and area + circumference)• Line and rotational symmetry <p>Time</p> <ul style="list-style-type: none">• Reading time in a 12-hour or 24-hour clock using digital and analogue clocks.• Calculating Time Intervals. <p>Handling Data</p> <ul style="list-style-type: none">• Bar charts, pie charts and line graphs• Averages and ranges <p>Probability</p> <ul style="list-style-type: none">• Likelihood scale• Mutually and non-mutually exclusive
English	<p><u>Comprehension:</u> Unseen Comprehension Passage</p> <p><u>Language Skills:</u></p> <ul style="list-style-type: none">• Direct and Indirect Speech• Active Passive Voice• Verb Forms (Tenses)• Connectives• Conditionals (zero and first)• Punctuation (dashes, hyphens, colons and semi-colons, brackets, commas, question marks, speech marks)

	<ul style="list-style-type: none"> • Prepositional verbs • Modals • Types of Sentence (Simple, Compound, Complex) • Comparative and Superlative Adverbs • Relative Clauses • Subordinate Clauses • Parts of Speech • Subject-Verb Agreement <p><u>Writing Skills:</u> Story Writing, Character Writing, Dialogue Writing</p>
Urdu	<ul style="list-style-type: none"> ● مضمون نویسی ● خط نویسی (رسمی و غیر رسمی خط) ● خلاصہ نگاری ● محاورات
Science	<ul style="list-style-type: none"> ● Reflection and refraction of light ● The solar system ● Human Circulatory System ● Human Respiratory System ● Food chains, food web and Energy transfers ● Properties of substances ● Thermal and electrical conductors ● Reversible and irreversible changes



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Entrance Test Syllabus (Grade VIII)

Subject	Syllabus
Math	<p><u>Arithmetic:</u></p> <ul style="list-style-type: none">• Factors, Multiple and Primes• Squares and Cubes; Square roots and Cube roots• Indices• Place value and rounding (whole numbers and decimals)• Addition, Subtraction, Multiplication and Division of Whole numbers, Integers, Fractions and Decimals• Ordering Whole numbers, Integers, Decimals and Fractions in ascending/descending order; and comparing• Percentages• Ratio and Proportion• Understand term-to-term rules and generate sequences from numerical and spatial patterns. <p><u>Algebra:</u></p> <ul style="list-style-type: none">• Constructing, Simplifying, Expanding and Factorizing algebraic expressions• Constructing and solving linear Equations• Inequalities <p><u>Geometry and measure:</u></p> <ul style="list-style-type: none">• Solving geometric problems using properties of angles of parallel lines, intersecting lines, triangles and quadrilaterals• Vertically opposite angles, corresponding angles, alternate angles, supplementary angles, exterior and interior angles of triangles; recognizing congruent shapes.• Calculate area and perimeter of triangle, square, rectangle, parallelogram, trapezium• Lines of symmetry and order of rotational symmetry of quadrilaterals and polygons• Circumference and area of a circle and semicircle• Calculate volume of rectangular and triangular prism• Faces, vertices and edges of 3D shapes• Converting units• Transformations: Translation, Reflection, Rotation, Enlargement <p><u>Statistics:</u></p> <ul style="list-style-type: none">• Plotting graphs• Intercept and gradient• Calculating probabilities; Averages and range• Bearings• Frequency diagrams, bar charts, pie charts, line graphs and stem and leaf diagrams.• Interpreting real-life graphs, travel graphs.
English	<p>Unseen Comprehension</p> <p>Language:</p> <p>Contractions</p> <p>Figurative and literary devices (simile, personification, hyperbole, onomatopoeia, alliteration, metaphor)</p> <p>Simple, Compound and Complex sentences</p> <p>Connectives</p> <p>Adjectives and degrees</p> <p>Persuasive Techniques (Imperatives, Rhetorical questions, emotive language, triples, repetition, direct address, statistics)</p> <p>Modal verbs</p> <p>Images (Aural, Tactile and visual)</p> <p>Punctuation</p> <p>Subordinating and coordinating conjunctions</p> <p>Active and Passive voice</p> <p>Phrases and types (Noun, Prepositional, adverbial)</p>

	Writing Skills : Report writing Monologue Dialogue Play-script
Science	<u>Biology:</u> <u>Unit 1: RESPIRATION</u> 1.1 The human respiratory system 1.3 Breathing 1.4 Respiration 1.5 Blood <u>Unit 4: ECOSYSTEMS</u> 4.1 Sonoran Desert 4.2 Different ecosystems 4.3 Intruders in an ecosystem <u>Unit 7: DIET AND GROWTH</u> 7.1 Nutrients 7.2 A balanced diet 7.3 Growth, development and health 7.4 Moving the body <u>Chemistry:</u> <u>Unit 2: PROPERTIES OF MATERIALS</u> 2.1: Dissolving 2.2: Solutions & solubility 2.4: Paper chromatography <u>Unit 5: MATERIALS AND CYCLES ON THE EARTH</u> 5.1 The structure of the atom 5.2 Purity Unit 5.3 Weather and Climate <u>Unit 8: CHEMICAL REACTIONS</u> 8.1: Exothermic Reactions 8.2: Endothermic Reactions <u>Physics:</u> <u>Unit 3: FORCES AND ENERGY</u> 3.1: Forces & motion 3.2: Speed 3.4: Turning forces 3.5: Pressure between solids 3.6: Pressure in liquids & gases <u>Unit 6: LIGHT</u> 6.1 Reflection 6.2 Refraction 6.3 Making Rainbows 6.4 Colors of light <u>Unit 9: MAGNETISM</u> 9.1 Magnetic field 9.2 The Earth as a giant magnet 9.3 Electromagnets
Urdu	1-محاورات 2-خلاصہ نگاری 3-تفہیم 4-مضمون نویسی 5-خط نویسی (رسمی و غیر رسمی خط)



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Entrance Test Syllabus (Grade IX)

Subject	Syllabus
Math	<p>Arithmetic</p> <ul style="list-style-type: none"> Integers, powers and roots Place value, ordering, comparing and rounding Fractions, decimals, percentages, ratio and proportion Speed, distance, time <p>Algebra</p> <ul style="list-style-type: none"> Expressions, equations and formulae, inequalities Sequences, functions and graphs <p>Geometry and Measure</p> <ul style="list-style-type: none"> Geometrical reasoning, shapes and measurements Position and transformation <p>Statistics and Probability</p> <ul style="list-style-type: none"> Statistics (data handling) Probability
English	<p>Unseen Comprehension</p> <p>Language:</p> <p>Figurative Language (flashback, foreshadowing, metaphor, onomatopoeia, simile, personification, symbol)</p> <p>Persuasive techniques (repetition, hyperbole, triples, rhetorical questions, emotive language, exclamations, direct address, alliteration, imperatives)</p> <p>Compound and Complex sentences</p> <p>Formal and informal English (Standard and non-standard)</p> <p>Adjectives and degrees</p> <p>Adverbs and degrees</p> <p>Images (Aural, Tactile, olfactory and visual)</p> <p>Punctuation</p> <p>Phrases and types (Noun, Prepositional, adverbial, adjective phrase)</p> <p>Writing Skills :</p> <p>Opinion writing</p> <p>Story writing</p> <p>Play-script</p> <p>Article/ Report writing</p> <p>Essay Writing</p>
Science	<p><u>Biology</u></p> <p><u>Unit:1 Photosynthesis & Carbon Cycle</u></p> <p>1.1: Photosynthesis</p> <p>1.2: More about Photosynthesis</p> <p>1.3: The Carbon Cycle</p> <p>1.4: Climate Change</p> <p><u>Unit: 4 Maintaining Life</u></p> <p>4.1 Plants & Water</p> <p>4.2 Transpiration</p> <p>4.3 Excretion in Humans</p>

	<p>4.4 Keeping a Fetus Healthy</p> <p><u>Unit:7 Genes and inheritance</u></p> <p>7.1 Chromosomes, Genes & DNA</p> <p>7.2 Gametes & Inheritance</p> <p>7.3 Variations</p> <p>7.4 Natural Selection</p> <p><u>Chemistry</u></p> <p><u>Unit 2: Properties of materials</u></p> <p>2.1 Atomic structure and the Periodic Table</p> <p>2.2 Trends in groups within the Periodic Table</p> <p>2.3 Why elements react to form compounds</p> <p>2.4 Simple and giant structures</p> <p><u>Unit 5: Reactivity</u></p> <p>5.1 Reactivity and displacement reactions</p> <p>5.2 Using the reactivity series and displacement reactions</p> <p>5.3 Salts</p> <p>5.4 Other ways of making salts</p> <p>5.5 Rearranging atoms</p> <p><u>Unit 8: Rates of reaction</u></p> <p>8.1 Measuring the rate of reaction</p> <p>8.2 Surface Area and the rate of reaction</p> <p>8.3 Temperature and the rate of reaction</p> <p>8.4 Concentration and the rate of reaction</p> <p><u>Physics</u></p> <p><u>Unit: 3 Forces & Energy</u></p> <p>3.1: Density</p> <p>3.2: Heat & Temperature</p> <p>3.3: Conservation of Energy</p> <p>3.4: Moving from Hot to Cold</p> <p>3.5: Ways of Transferring Thermal Energy</p> <p>3.6: Cooling by Evaporation</p> <p><u>Unit:6 Sound and Space</u></p> <p>6.1: Loudness & Pitch of Sound</p> <p>6.2 Interference of Sound</p> <p>6.3 Formation of Moon</p> <p>6.4 Nebulae</p> <p>6.5 Tectonics</p> <p><u>Unit: 9 Electricity</u></p> <p>9.1 Parallel Circuits</p> <p>9.2 Current & Voltage in Parallel Circuits</p> <p>9.3 Resistance</p> <p>9.4 Practical Circuit</p> <p><i>Ref: Cambridge Lower Secondary Science Learner's Book 9; 2nd Edition by Jones, Freeman & Smyth</i></p>
Urdu	<p>۱۔ مضمون نگاری</p> <p>۲۔ ای میل (برقی نامہ نویسی)</p> <p>۳۔ تفہیم (نادیدہ)</p> <p>۴۔ تلخیص نگاری</p> <p>بحوالہ کتاب (اردو او لیول سلیبس بی مجیب الرحمن) (IGCSE CODE 0539)</p>

Pakistan Studies	<p>History Chap 1: The decline of the Mughal Empire Chap 2: The Influence of Islam Chap 3: The British in India</p> <p>Geography Chap 1: The natural Topography chap 2: Climate</p> <p><i>Reference Book: Pakistan History, Culture, and Government by Nigel Smith The Environment of Pakistan by Huma Naz</i></p>
Islamiyat	<p><u>Chapter 1 : Major Themes of Holy Quran</u></p> <ul style="list-style-type: none"> • Passages 1 to 5 <p><u>Chapter 3 : The Life and Importance of the Prophet Muhammad (Pbuh)</u></p> <ul style="list-style-type: none"> • Early life of Holy Prophet Pbuh • First Revelation • Opposition and persecution by the Quraish • Mi'raj • Pledges of Aqabah • Migration to Madinah <p><u>Chapter 5 : Major Teachings in the Hadiths of the Holy Prophet (Pbuh)</u></p> <ul style="list-style-type: none"> • Hadith no. 1 to 5 <p><u>Chapter 8 : The Articles of Faith & The Pillars of Islam</u></p> <ul style="list-style-type: none"> • The Six Articles of Faith <ol style="list-style-type: none"> 1)Tawhid 2)Angels 3)Revealed Books 4)Prophets 5)God's Predestination and Decree 6)Resurrection and The Last Day <p><i>Reference Book: Cambridge O Level Islamiyat</i></p>



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Entrance Test Syllabus (Grade X - SCIENCE GROUP)

Subject	Syllabus
Math	<p>Number</p> <ul style="list-style-type: none">▪ Arithmetic (decimals, fractions)▪ Number Facts (rational and irrational numbers)▪ Sequences▪ Measurements and Bounds▪ Standard Form▪ Ratio and Proportion▪ Percentages increase, decrease, compound percentages)▪ Interest (Simple, Compound)▪ Speed, Distance and Time <p>Algebra and graphs</p> <ul style="list-style-type: none">▪ Formulae, expressions and equations▪ Brackets and Simplifying▪ Linear and Quadratic Equations▪ Problems Solved by Linear Equations▪ Simultaneous Equations▪ Factorization <p>Geometry</p> <ul style="list-style-type: none">▪ Area, volume and surface area of 2D and 3D shapes▪ Shaded areas and area of compound shapes▪ Polygons (interior and exterior angles and number of sides)▪ Parallel Lines (alternate, corresponding, allied, vertically opposite)▪ Pythagoras' Theorem▪ Symmetry (line, rotational and plane)▪ Similarity (similar shapes, areas of similar shapes, volumes of similar shapes) <p>Trigonometry</p> <ul style="list-style-type: none">▪ Right Angled Triangles (sine, cosine, tangent, finding unknown angle, unknown side)▪ Bearings▪ Three-Dimensional Problems <p>Transformations and vectors</p> <p>Probability and Statistics</p>
English	<p>Unseen Comprehension</p> <p>Language :</p> <p>Persuasive techniques (repetition, hyperbole, triples, rhetorical questions, emotive language, exclamations, direct address, alliteration, imperatives)</p> <p>Compound and Complex Types of sentences</p> <p>Adjectives and degrees</p> <p>Adverbs and degrees</p> <p>Punctuation</p> <p>Collocations</p> <p>Connotations</p> <p>Writing Skills:</p> <p>Email Writing</p> <p>Article/ Report writing</p>

	<p>Descriptive Writing Narrative Writing Review Writing</p> <p>Students should know the usage of compound and complex sentences in writing.</p>
Computer Science	<p>Number systems: Concepts included (Binary, Conversion from binary to denary, Conversion from denary to binary)</p> <p>Input and Output Devices: Concepts included (basic devices)</p> <p>Types of softwares: Concepts included (System software, Application software)</p> <p>Note: This test is designed to assess your understanding of fundamental computer science concepts.</p>
Science	<p><u>Biology:</u> Chapter 1: Characteristics and classification of living organisms Chapter 2: Cells Chapter 3: Movement into and out of cells Chapter 4: Biological molecules Chapter 5: Enzymes <u>Reference:</u> • <u>Cambridge IGCSE Biology 0610- Syllabus for Exams in 2023, 2024 and 2025.</u> • <u>Course book: Cambridge IGCSE Biology, 4th Edition; Mary Jones and Geoff Jones</u></p> <p><u>Physics:</u> <u>Concepts:</u> • Measurement - techniques for measuring Physical quantities • Scalars and vectors quantities • Describing Motion- calculating speed and acceleration using graphs • Forces and motion - Weight, mass, gravity, free falling and circular motion • Turning effects • Pressure in solids, liquids and gasses • Load and Extension of a spring • Energy, Work and Power <u>Ref: Cambridge IGCSE Physics 0625 syllabus for 2023, 2024 and 2025</u></p> <p><u>Chemistry:</u> 1. States of Matter 2. Atoms, elements and compounds 3. Atomic structure 4. Ionic, Covalent and Metallic Bonding 5. Chemical Formulae and Equations 6. Acid, Base and Salt 7. Periodic Table 8. Experimental techniques and chemical analysis <u>Ref: Cambridge IGCSE Chemistry 0620 syllabus for 2023, 2024 and 2025</u></p>



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)

(Academic Session 2025-2026)

Entrance Test Syllabus (Grade X - COMMERCE GROUP)

Subject	Syllabus
Math	<p>Number</p> <ul style="list-style-type: none">▪ Arithmetic (decimals, fractions)▪ Number Facts (rational and irrational numbers)▪ Sequences▪ Measurements and Bounds▪ Standard Form▪ Ratio and Proportion▪ Percentages increase, decrease, compound percentages)▪ Interest (Simple, Compound)▪ Speed, Distance and Time <p>Algebra and graphs</p> <ul style="list-style-type: none">▪ Formulae, expressions and equations▪ Brackets and Simplifying▪ Linear and Quadratic Equations▪ Problems Solved by Linear Equations▪ Simultaneous Equations▪ Factorization <p>Geometry</p> <ul style="list-style-type: none">▪ Area, volume and surface area of 2D and 3D shapes▪ Shaded areas and area of compound shapes▪ Polygons (interior and exterior angles and number of sides)▪ Parallel Lines (alternate, corresponding, allied, vertically opposite)▪ Pythagoras' Theorem▪ Symmetry (line, rotational and plane)▪ Similarity (similar shapes, areas of similar shapes, volumes of similar shapes) <p>Trigonometry</p> <ul style="list-style-type: none">▪ Right Angled Triangles (sine, cosine, tangent, finding unknown angle, unknown side)▪ Bearings▪ Three-Dimensional Problems <p>Transformations and vectors</p> <p>Probability and Statistics</p>
English	<p>Unseen Comprehension</p> <p>Language :</p> <p>Persuasive techniques (repetition, hyperbole, triples, rhetorical questions, emotive language, exclamations, direct address, alliteration, imperatives)</p> <p>Compound and Complex Types of sentences</p> <p>Adjectives and degrees</p> <p>Adverbs and degrees</p> <p>Punctuation</p> <p>Collocations</p> <p>Connotations</p> <p>Writing Skills:</p> <p>Email Writing</p>

	<p>Article/ Report writing Descriptive Writing Narrative Writing Review Writing</p> <p>Students should know the usage of compound and complex sentences in writing.</p>
Computer Science	<p>Number systems: Concepts included (Binary, Conversion from binary to denary, Conversion from denary to binary)</p> <p>Input and Output Devices: Concepts included (basic devices)</p> <p>Types of soft wares: Concepts included (System software, Application software)</p> <p>Note: This test is designed to assess your understanding of fundamental computer science concepts.</p>
Accounting	<ol style="list-style-type: none"> 1. Introduction to accounting 2. Double Entry Book Keeping-Part A 3. The trial balance 4. Double Entry Book Keeping-Part B 5. Petty cash books 6. Business documents 7. Books of Prime Entry 8. Other payables and receivables 9. Accounting for depreciation and disposal of non-current assets 10. Irrecoverable debts and provision for doubtful debts 11. Bank reconciliation statements
Business Studies	<ol style="list-style-type: none"> 1. Business activity and classification of businesses 2. Enterprise, business growth and size 3. Business and stakeholders objectives 4. Motivating employees 5. Organization structures and management 6. Recruitment, selection and training of employees 7. Internal and external communication
Economics	<ol style="list-style-type: none"> 1. The nature of economic problem 2. Factors of production 3. Opportunity cost 4. Production possibility curve 5. The role of markets in allocating resources, concept of demand and supply, price mechanism 6. Price elasticity of demand and price elasticity of supply 7. Economic systems (Planned, Mixed, Market) 8. Market failure



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)
(Academic Session 2025-2026)

Entrance Test Syllabus (Grade X - COMBINATION GROUP)

Subject	Syllabus
Math	<p>Number</p> <ul style="list-style-type: none">▪ Arithmetic (decimals, fractions)▪ Number Facts (rational and irrational numbers)▪ Sequences▪ Measurements and Bounds▪ Standard Form▪ Ratio and Proportion▪ Percentages increase, decrease, compound percentages)▪ Interest (Simple, Compound)▪ Speed, Distance and Time <p>Algebra and graphs</p> <ul style="list-style-type: none">▪ Formulae, expressions and equations▪ Brackets and Simplifying▪ Linear and Quadratic Equations▪ Problems Solved by Linear Equations▪ Simultaneous Equations▪ Factorization <p>Geometry</p> <ul style="list-style-type: none">▪ Area, volume and surface area of 2D and 3D shapes▪ Shaded areas and area of compound shapes▪ Polygons (interior and exterior angles and number of sides)▪ Parallel Lines (alternate, corresponding, allied, vertically opposite)▪ Pythagoras' Theorem▪ Symmetry (line, rotational and plane)▪ Similarity (similar shapes, areas of similar shapes, volumes of similar shapes) <p>Trigonometry</p> <ul style="list-style-type: none">▪ Right Angled Triangles (sine, cosine, tangent, finding unknown angle, unknown side)▪ Bearings▪ Three-Dimensional Problems <p>Transformations and vectors</p> <p>Probability and Statistics</p>
English	<p>Unseen Comprehension</p> <p>Language :</p> <p>Persuasive techniques (repetition, hyperbole, triples, rhetorical questions, emotive language, exclamations, direct address, alliteration, imperatives)</p> <p>Compound and Complex Types of sentences</p> <p>Adjectives and degrees</p> <p>Adverbs and degrees</p> <p>Punctuation</p> <p>Collocations</p> <p>Connotations</p> <p>Writing Skills:</p> <p>Email Writing</p>

	<p>Article/ Report writing Descriptive Writing Narrative Writing Review Writing</p> <p>Students should know the usage of compound and complex sentences in writing.</p>
Computer Science	<p>Number systems: Concepts included (Binary, Conversion from binary to denary, Conversion from denary to binary)</p> <p>Input and Output Devices: Concepts included (basic devices)</p> <p>Types of softwares: Concepts included (System software, Application software)</p> <p>Database: Concepts included (basic data types, fields, records, validation)</p> <p>Note: This test is designed to assess your understanding of fundamental computer science concepts.</p>
Accounting	<ol style="list-style-type: none"> 1. Introduction to accounting 2. Double Entry Book Keeping-Part A 3. The trial balance 4. Double Entry Book Keeping-Part B 5. Petty cash books 6. Business documents 7. Books of Prime Entry 8. Other payables and receivables 9. Accounting for depreciation and disposal of non-current assets 10. Irrecoverable debts and provision for doubtful debts 11. Bank reconciliation statements
Physics	<p><u>Concepts:</u></p> <ul style="list-style-type: none"> • Physical Quantities and measurement techniques • Describing Motion- calculating speed and acceleration using graphs) • Forces and motion • Turning effects, Scalars and vectors quantities • Pressure in solids, liquids and gases • Load and Extension of a spring • Energy, Work and Power <p><i><u>Ref: Cambridge IGCSE Physics 0625 syllabus for 2023, 2024 and 2025</u></i></p>
Chemistry	<p><u>Chemistry:</u></p> <ol style="list-style-type: none"> 1. States of Matter 2. Atoms, elements and compounds 3. Atomic structure 4. Ionic, Covalent and Metallic Bonding 5. Chemical Formulae and Equations 6. Acid, Base and Salt 7. Periodic Table 8. Experimental techniques and chemical analysis <p><i><u>Ref: Cambridge IGCSE Chemistry 0620 syllabus for 2023, 2024 and 2025</u></i></p>



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)
(Academic Session 2025-2026)

Entrance Test Syllabus (AS Level - SCIENCE GROUP)

Subject	Syllabus
Math	<p>Complete syllabus IGCSE + O level or equivalent, including:</p> <ol style="list-style-type: none">1. Number2. Algebra and graphs3. Coordinate geometry4. Geometry5. Mensuration6. Trigonometry7. Transformations and vectors8. Probability9. Statistics
Computer Science	<ol style="list-style-type: none">1.Data Representation2.Data Transmission3.Hardware and Software4.Algorithm Design and problem solving5.Databases <p>Book References: Any IGCSE Computer Science Cambridge Approved Book</p> <p>Note: This test is designed to assess your understanding of fundamental and IGCSE computer science concepts</p>
Science	<p><u>Biology:</u></p> <ol style="list-style-type: none">1 Characteristics and classification of living organisms2 Organisation of the organism3 Movement into and out of cells4 Biological molecules5 Enzymes6 Inheritance7 Variation and selection8 Organisms and their environment9 Human influences on ecosystems10 Biotechnology and genetic modification <p><u>Physics:</u></p> <ol style="list-style-type: none">1.Forces and motion2.Turning effects3.Forces and matter4.Work and power5.Thermal properties of matter6.Sound7.Light8.Electrical quantities9.Electrical circuits

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| | <ul style="list-style-type: none">10. Electromagnetic forces11. Electromagnetic induction12. Radioactivity |
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Chemistry:

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| | <ul style="list-style-type: none">1. Chemical calculations2. Exothermic and endothermic reactions3. Reversible reactions and equilibrium4. Redox reactions5. Organic chemistry and polymers6. Reactivity of metals7. Metallic elements and alloys8. Extraction and corrosion of metals9. Chemistry of environment10. Chemical analysis |
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Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)

(Academic Session 2025-2026)

Entrance Test Syllabus (AS Level- COMMERCE GROUP)

Subject	Syllabus
Math	<p>Complete syllabus IGCSE + O level or equivalent, including:</p> <ol style="list-style-type: none">1. Number2. Algebra and graphs3. Coordinate geometry4. Geometry5. Mensuration6. Trigonometry7. Transformations and vectors8. Probability9. Statistics
Computer Science	<ol style="list-style-type: none">1. Data Representation2. Data Transmission3. Hardware and Software4. Algorithm Design and problem solving5. Databases <p><i>Book References: Any IGCSE Computer Science Cambridge Approved Book</i></p> <p>Note: This test is designed to assess your understanding of fundamental and IGCSE computer science concepts</p>
Accounting	<ol style="list-style-type: none">1. Introduction to Accounting2. Double entry book-keeping part A and part B3. The trial balance, petty cash, business documents, books of prime entry4. Financial statements part A and part B5. Accounting rules6. Other payables and other receivables7. Accounting for depreciation and disposal of non-current assets8. Irrecoverable debts and provision for doubtful debts9. Bank reconciliation statements10. Journal entries and correction of errors11. Control accounts12. Incomplete records13. Accounts of clubs and societies14. Partnerships, manufacturing accounts, limited companies15. Analysis and interpretation <p><i>Book reference: Any IGCSE/O'Levels cambridge approved book</i></p>

Business Studies	<ol style="list-style-type: none"> 1. Understanding business activity - classification of businesses, types of business organization, business and stakeholder objectives. 2. People in Business - Motivating employees, organization and management, recruitment and selection, internal and external communications 3. Marketing - Competition, market research, marketing mix 4. Operations management - Production of goods and services, costs, scale and break even analysis, quality production, location decisions 5. Financial information and decision - Business finance, cash flow forecasting and working capital, income statements, statement of financial position, analysis of accounts <p><i>Book reference: Any IGCSE/O'Levels cambridge approved book</i></p>
Economics	<ol style="list-style-type: none"> 1. The basic economic problem - The nature of economic problem, Factors of production, opportunity cost and PPC 2. The allocation of resources - The role of markets, Demand and supply, PED and PES, economic systems and market failure 3. Decision makers - Firms, Firms and production, Firms' costs, revenue and objectives, Market structures 4. Macroeconomics - Fiscal policy, Monetary policy, Supply side policy, Economic growth, Employment and unemployment, Inflation and deflation 5. Foreign exchange rates, current account and balance of payment <p><i>Book reference: Any IGCSE/O'Levels cambridge approved book.</i></p>



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)
(Academic Session 2025-2026)

Entrance Test Syllabus (AS Level - COMBINATION GROUP)

Subject	Syllabus
Math	Complete syllabus IGCSE + O level or equivalent, including: 1. Number 2. Algebra and graphs 3. Coordinate geometry 4. Geometry 5. Mensuration 6. Trigonometry 7. Transformations and vectors 8. Probability 9. Statistics
Computer Science	1. Data Representation 2. Data Transmission 3. Hardware and Software 4. Algorithm Design and problem solving 5. Databases <i>Book References: Any IGCSE Computer Science Cambridge Approved Book</i> <i><u>Note: This test is designed to assess your understanding of fundamental and IGCSE computer science concepts</u></i>
Accounting	1. Introduction to Accounting 2. Double entry book-keeping part A and part B 3. The trial balance, petty cash, business documents, books of prime entry 4. Financial statements part A and part B 5. Accounting rules 6. Other payables and other receivables 7. Accounting for depreciation and disposal of non-current assets 8. Irrecoverable debts and provision for doubtful debts 9. Bank reconciliation statements 10. Journal entries and correction of errors 11. Control accounts 12. Incomplete records 13. Accounts of clubs and societies 14. Partnerships, manufacturing accounts, limited companies 15. Analysis and interpretation <i>Book reference: Any IGCSE/O'Levels cambridge approved book</i>
Physics	1. Forces and motion 2. Turning effects 3. Forces and matter 4. Work and power 5. Thermal properties of matter 6. Sound 7. Light 8. Electrical quantities 9. Electrical circuits 10. Electromagnetic forces 11. Electromagnetic induction 12. Radioactivity

Chemistry	<ol style="list-style-type: none">1. Chemical calculations2. Exothermic and endothermic reactions3. Reversible reactions and equilibrium4. Redox reactions5. Organic chemistry and polymers6. Reactivity of metals7. Metallic elements and alloys8. Extraction and corrosion of metals9. Chemistry of environment10. Chemical analysis



Pakistan International School, Jeddah
Cambridge Curriculum Section (CCS)
(Academic Session 2025-2026)

Entrance Test Syllabus (A2-Level)

Subject	Syllabus
Math	<p><u>PURE MATHEMATICS 1</u></p> <ul style="list-style-type: none">(1) Quadratics(2) Functions(3) Coordinate Geometry(4) Circular Measure(5) Trigonometry(6) Series(7) Differentiation(8) Integration <p><u>PROBABILITY AND STATISTICS 1</u></p> <ul style="list-style-type: none">(1) Representation of Data(2) Permutations and Combinations(3) Probability(4) Discrete Random Variables(5) The Normal Distribution
Computer Science	<p><u>Number systems:</u> Concepts included (Binary, Conversion from binary to denary, Conversion from denary to binary)</p> <p><u>Input and Output Devices:</u> Concepts included (basic devices)</p> <p><u>Types of softwares:</u> Concepts included (System software, Application software) Algorithm design and Basic programming concepts (selection statements, iteration statements)</p> <p><u>Note: This test is designed to assess your understanding of fundamental computer science concepts.</u></p>
Biology	<p>Chapter 1 Cell structure</p> <p>Chapter 2 Biological molecules</p> <p>Chapter 3 Enzymes</p> <p>Chapter 4 Cell membrane and transport</p> <p>Chapter 5 The mitotic cell cycle</p> <p>Chapter 6 Nucleic acids and protein synthesis</p>
Physics	<p>Chapter 1 kinematics</p> <p>Chapter 2 Accelerated motion</p> <p>Chapter 3 Dynamics</p> <p>Chapter 4 Forces</p> <p>Chapter 5 Work Power energy</p> <p>Chapter 6 Momentum</p> <p>Chapter 7 Matter and materials</p> <p>Chapter 15 Atomic structure</p>

Chemistry

Chapter 2 Electrons in atoms

Chapter 3 Atoms, molecules and stoichiometry

Chapter 4 Chemical bonding

Chapter 6 Enthalpy change

Chapter 8 Equilibria

Chapter 9 Rate of reaction

Chapter 10 Periodicity

Chapter 15 Hydrocarbons