



MIS

Al Muktashef International Schools
مدارس المكتشف العالمية

British Section



وزارة التعليم
Ministry of Education



Going to Grade 1

Math:

- Count forward and backward to and from 50
- Recall basic addition facts with sums to 10 or less and the corresponding subtraction facts
- Identify one more than a number and one less than a number
- Count by twos, fives and tens to 100
- Indicate the ordinal position of each object, first through tenth, and the ordered position of each object
- Compare two objects or events, using direct comparisons or nonstandard units of measure, according to one or more of the following attributes: length (shorter, longer), height (taller, shorter), weight (heavier, lighter) identify, describe, and trace plane geometric figures
- Sort and classify objects according to attributes
- Identify, describe, and extend repeating patterns
- Solve simple problem solving

English:

- Unseen comprehension passage with multiple choice questions
- Identify, sort, read and write words with short and long vowels
- Write the missing vowel/consonant
- Identify beginning, middle and ending sounds
- Recognize primer dolch words
- Identify characters, settings, & major events in a story.
- Identify the main topic.



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Going to Grade 2

Math:

- Count from 0 to 100 and write the corresponding numerals; and write the corresponding numeral to develop an understanding of place value
 - Count forward by ones, twos, fives, and tens to 100
 - Compare a two-digit numeral, and a three-digit numeral
 - Solve a one-step addition and subtraction problems, using data from simple tables, picture graphs, and bar graphs
 - Tell time to the half-hour, using analog and digital clocks
 - Identify plane geometric figures (triangle, square, rectangle, and circle) according to number of sides, vertices, and right angles
 - Interpret information displayed in a picture or object graph, using the vocabulary more, less, fewer, greater than, less than, and equal to
 - Recognize repeating patterns
 - Add a two-digit number to a two-digit number using models or mental math
 - Subtract a two-digit number from a two-digit number using models or mental math
 - Add a three-digit number to a three-digit number using models or mental math
 - Subtract a three-digit number from a three-digit number using models or mental math
 - Write the addition and subtraction sentences that make up a fact family
 - To identify equal parts of a whole
 - Identify solid figures
- Measure length indirectly and by iterating length units.

English:

Literature:

Unseen comprehension:

- Read and comprehend a given passage.
- Contextually understand meanings of certain words from the passage.
- Answer questions related to genre, setting, character, and point of view.
- Answer questions related to the story elements and the events.
- State an opinion, supply a reason for the opinion.
- Answer questions about key details in a text.
- Describe people, places, things and events in the story.

Phonics:

- Identify short and long vowels.
- Inflectional Endings
- Compound Words

Grammar:

- Identify nouns, verbs, pronouns and adjectives
 - Punctuation
 - Present and past Tense verbs



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Going to Grade 3

Math:

Read, write, and identify the place value of each digit in a three-digit numeral, using numeration models

- To compare and order numbers between 0 and 999, using symbols (>, <, or =)
- Identify the parts of a set and/or region that represent fractions for halves, thirds, fourths, sixths, eighths, and tenths
- Count forward by twos, fives, and tens to 100, starting at various multiples of 2, 5, or 10
- Count backward by tens from 100
- Compare numbers within 100
- Solve one-and two-step addition and subtraction problems, using data from simple tables, picture graphs, and bar graphs
- Tell and write time to the nearest five minutes, using analog and digital clocks
- Identify, describe, compare, and contrast plane and solid geometric figures (circle/sphere, square/cube, and rectangle/rectangular prism)
- Analyze data displayed in picture graphs, pictographs, bar graphs and tables
- Know the multiplication table from 0-5
- Add or subtract 2 or 3 digit numbers with/without regrouping
 - Multiply by 3 and 4
 -

English:

Literature:

Unseen comprehension:

- Read and comprehend a given passage.
- Contextually understand meanings of certain words from the passage.
- Answer questions related to genre, setting, character, and point of view.
- Answer questions related to the story elements and the events.
- Identify the main purpose of a text.

Phonics:

- Identify short and long vowels.
- Inflectional Endings
- Compound Words

Grammar:

- Identify nouns, verbs, pronouns and adjectives
 - Punctuation
 - Present and past Tense verbs



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Going to Grade 4

Math:

Read and write six-digit numerals and identify the place value and value of each digit

- Round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand
- Compare two whole numbers between 0 and 9,999, using symbols ($>$, $<$, or $=$) and words (greater than, less than, or equal to)
- Recognize and use the inverse relationships between addition/subtraction and multiplication/division
- Identify and draw lines, line segments, and rays as well as parallel, intersecting, and perpendicular lines
- Solve single-step problems
- Recall multiplication facts through the twelves table, and the corresponding division facts
- Measure the distance around a polygon in order to determine perimeter; and count the number of square units needed to cover a given surface in order to determine area
- * Develop an understanding of fractions as numbers.
- Add and subtract fractions with same denominators
- Identify, describe, compare, and contrast characteristics of plane and solid geometric figures (circle, square, rectangle, triangle, cube, rectangular prism, square pyramid, sphere, cone, and cylinder) by identifying relevant characteristics, including the number of angles, vertices, and edges, and the number and shape of faces, using concrete models
- Read and interpret the data represented in line plots, bar graphs, and picture graphs and write a sentence analyzing the data
- Find the perimeter of a rectangle and a square
- Divide 2-digit dividends by 1-digit divisors, resulting in 2-digit quotients with remainders
- Multiply a 3-digit number by a 1-digit number
- Identify part of a region



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English:

Literature:

- Read and comprehend a given passage
- Contextually understand the meanings of certain words from the passage
- Answer questions related to the genre
- Identify the elements of the genre
- Answer analytical questions
- Identify figurative language
- Describe the characters in the story/text
- Distinguish the point of view.

Phonics:

- Short and long vowel words.
- Initial, medial, and final consonant digraphs.
- Initial and final consonant blends.
- Homophones.
- Inflectional Endings
- Syllables (VCCV, VCV)
- Suffixes/Prefixes
- Synonyms/Antonyms

Grammar:

- Identify compound and complex sentences Verbs
- Present and past tense verbs
- Kinds of sentences.
- Complete and simple subject and predicate.
- Nouns, plural nouns, and common/proper nouns/ possessive nouns
- Present, past, and future tense verbs.
 - Irregular verbs.
- Subject-verb agreement.
- Subject and object pronouns.
- Adjectives/Adverbs

Writing:

- *Personal Narrative
- Explanatory
- Descriptive
- Story
- Compare and contrast
- Friendly letter



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Going to Grade 5

Math:

Place value

- Billions and Millions ➤ Decimals ➤ Compare and Order ➤ Expanded and standard forms
- Addition and subtraction
- Multiplication and division
- Problem solving
- Metric units
- Length ➤ Volume ➤ Mass
- Geometry
- Types of triangles ➤ Types of quadrilateral
- Number theory
- Prime and composite ➤ Multiples and factors
- Divisibility ➤ Order of operations ➤ LCM & HCF

English:

- Connectives – compound and complex sentences
- Identify different genres
- Read and comprehend a given passage
- Contextually understand the meanings of certain words from the passage.
- Answer questions related to the genre
- Identify the elements of the genre
- Answer analytical questions
- Identify figurative language, identify and discuss the audience, purpose and mood.
- Main idea and supporting details
- Sequence: Order of events Steps in a Process
- Cause and Effect
- Drawing Conclusions
- Compare and contrast
- Fact and opinion
- Using context clues Vocabulary and Grammar: Students should have good proficiency of English Language and Word Recognition based on context clues.
 - To determine the theme of a story.
 - To describe the characters, setting, or the events in a story.
 - To determine the meaning of words and phrases used in the story/text.



Going to Grade 6

Math:

- 1) Place Value through billions
- 2) Forms of whole numbers (word, standard, expanded)
- 3) Whole numbers: (addition, subtraction, multiplication, division by 1 or by 2 digit numbers) (order of operations)
- 4) Decimals: (ordering, word, standard, expanded) (addition, subtraction, multiplication, division)
- 5) Rounding (whole numbers, decimals)
- 6) Fractions (addition, subtraction, multiplication, division)
- 7) Geometry (lines, segments, rays, angles, parts of a circle, 2D and 3D shapes)

Decimals

- Negative numbers
- Fractions /Decimals/percentage
- Ratio and proportion
- Problem solving (decimals/fractions)
- Geometry (finding angles)
- Coordinates
 - Area and perimeter
- Representing information (range/mode/median/mean)
- Metric units (mass, volume, temperature, length)
- Reading graphs (bar graph,

English:

Connectives –coordinate conjunctions Subordinate conjunctions Correlative conjunctions Comprehension

- Read and comprehend a given passage
- Contextually understand the meanings of certain words from the passage
- Answer questions related to the genre
- Identify the elements of the genre
- Answer analytical questions
 - Identify figurative language
- Identify and discuss the audience, purpose and tone answer questions on the text structure
 - To determine the theme of a story.
 - To compare and contrast two or more characters, setting, or the events in a story.
 - To determine the meaning of words and phrases used in the story/text including figurative languages such as metaphors and similes.

Writing:

Students should be able to write a coherent essay in response to a prompt, paying attention to organizational elements such as unity and coherence of ideas, logical sequence of events, and writing mechanics. Careful emphasis on sentence structure, tense agreement, and standard written English form is expected.

- Write informative/explanatory texts/essays.
- Narrative essay



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Going to Grade 7

Math:

Number and calculations

- Arithmetic without a calculator ➤ Fractions & decimals
- Inequalities ➤ Sequences and nth term
- Prime and composite ➤ HCF and LCM
- Square numbers and square roots ➤ Prime factorization
- Ratio and percentage Geometry ➤ Angle facts
- Angles in parallel lines ➤ Area of compound shapes
- Symmetry and rotational symmetry ➤ Circle calculations
- Triangles' congruency ➤ Accurate drawing

English:

Students should be able to attempt related questions based on the following skills:
Comprehension Read and analyze a given passage. Then answer the questions related to the text.

Grammar:

Depict understanding of the following concepts a. adjectives –degrees of comparison b. subject verb agreement

Students are expected to answer questions about information in a given passage and discuss the following conventions if applicable:

- Analysis
- Paraphrasing
- Predicting outcomes
- Main Idea and Details
- Ordering / Sequence / Time line
- Personification & Imagery (simile and metaphor)
- Cause and Effect
- Synonyms and antonyms
- Literary elements (character, theme, setting, & plot)
- Drawing Conclusions
 - Theme of the story/text.
 - To determine the meaning of words and phrases used in the text.
 - The author's point of view.

Writing:

Students should be able to write a coherent essay in response to a prompt, paying attention to organizational elements such as unity and coherence of ideas, logical sequence of events, and writing mechanics. Careful emphasis on sentence structure, tense agreement, and standard written English form is expected.

- Narrative essay.
- Write informative/explanatory texts/essays.



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Going to Grade 8

Math:

Number and calculations

- Powers and roots ➤ Standard form
- Approximation ➤ Proportion ➤ Map scale and ratio ➤ Percentage and interest
- Prime factorization ➤ Time Geometry
- Angle facts ➤ Angles in parallel lines
- Angles in polygons & circles ➤ Area of compound shapes
- Symmetry and rotational symmetry ➤ Circle calculations
- Volume and surface area Algebra ➤ Solving equations
- Subject of a formula ➤ Gradient ➤ Drawing graphs

English:

Reading Comprehension: Candidates will be assessed on their ability to comprehend and respond to information in a given text. They will be expected to use some or all of the following language conventions:

- select and organize material relevant to specific purpose
 - recognize and distinguish between facts, ideas and opinions
 - infer information from the text
 - paraphrase
 - summarize
 - use context clues
 - evaluate and predict outcome
- Writing: Candidates should be able to write an appropriate 150-200 words essay (descriptive, personal narrative, persuasive, argumentative, or magazine article), or letter (formal/ informal). They will be assessed on their ability to:
- communicate accurately, clearly and appropriately
 - To determine the theme of the story.
 - To determine the author's point of view.

Grammar: Attempt grammatical exercises related to: a. clauses -adjectival and adverbial b. conjunctions – subordinating –coordinating and co relative

Writing:

Students should be able to write an appropriate 150-200 words essay (descriptive, personal narrative, persuasive, argumentative, or magazine article), or letter (formal/ informal). They will be assessed on their ability to:

- communicate accurately, clearly and appropriately convey information and express opinion effectively
- employ a variety of grammatical structures
- demonstrate knowledge of appropriate vocabulary
- observe conventions of paragraphing, punctuation and spelling
- employ appropriate style



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Going to Grade 9

Math:

Chapter 1: Number

- Arithmetic
- Number Facts and Sequences
- Approximations and Estimations
- Standard form
- Ratio and Proportion
- Percentages
- Speed, Distance, and Time

Chapter 2: Algebra 1

- Negative Numbers
- Direct Numbers
- Formulae
- Brackets and Simplifying
- Linear Equations
- Problems solved by linear equations.
- Simultaneous Equations
- Problems solved by Simultaneous Equations
- Factorizing

English:

Students will be given a passage to read and then answer questions based on it.

Students should be able to write an appropriate 400-500 words essay (*descriptive, personal narrative, persuasive, argumentative, or magazine article*), or letter (*formal/ informal*). They will be assessed on their ability to:

- communicate accurately, clearly and appropriately convey information and express opinion effectively
- employ a variety of grammatical structures
- demonstrate knowledge of appropriate vocabulary
- observe conventions of paragraphing, punctuation and spelling
- employ appropriate style

-show understanding of the usage of transitions for effective summary writing skills.

Literature:

- To determine the theme or central idea of a text.
- To provide an objective summary of the text.
- To determine the meaning of words and phrases as they are used in the text.
- To analyze how differences in the point of view of the characters.
- To determine the author's point of view or purpose in a text.



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