

WOLMER'S PREPARATORY SCHOOL
A PARENTS' GUIDE TO THE CURRICULUM
MATHEMATICS
GRADE 4
TERM 1

NUMBER:

- Addition, subtraction, multiplication, division
- Add and subtract 2 – digit numbers mentally
- Use words associated with addition and subtraction, such as addends, sum, minuend, subtrahend, difference
- Do worded problems on addition and subtraction
- Use words associated with multiplication and division such as product, multiplicand, multiplier, quotient, dividend, divisor
- Do worded problems on multiplication and division
- Differentiate between the use of addition and multiplication, subtraction and division in solving problems.
- Multiply numbers by single and double digit numbers using long division.
- Setting out problems by using addition, subtraction, multiplication or division.

KNOWING THE VALUE OF A NUMBER:

- Identify the value of numbers to seven digits.
- Distinguish between value, place value and face value of a number.
- Investigate the base ten place value system when it is extended to show tenths and hundredths.
- Writing seven digit numbers in words and words to numbers.

FRACTIONS:

- Apply equivalence to the addition and subtraction of fractions.
- Identify and use the various fractional numbers (whole number, proper, improper, and mixed fraction).
- Name fractional numbers with denominator 10 or 100 in decimal form. Eg. $6/10 = 0.6$
- Recognize fractions with equal denominators.
- Add or subtract fractional numbers with equal denominators without renaming.

Eg. $6/10 + 1/10$ or $31/9 + 2\ 4/9$

- Subtraction a mixed number from a whole number.
- Name whole numbers as fractions.
- Solve problems using the addition or subtraction of like fractional numbers.
- Sequencing numbers in decimal form.

ROUNDING OFF NUMBERS:

- To the nearest 10, 100 and 1000

EXPANDED NOTATION:

- Writing seven digit numbers in expanded notation

Eg. $7,325,186 = 7,000,000 + 300,000 + 20,000 + 5000 + 1000 + 80 + 6$

AVERAGES:

- Finding the average of a set of numbers
- Knowing the two steps involved in finding the average of a set of numbers.

MEASUREMENT:

- Read and write time using the hour: minute format eg. 3:15
- Identify the appropriate unit, kilogram, gram, tonne, litre, millilitre for a given measurement situation
- Estimate and read distances recorded in kilometres on a road map.
- Solve problems using information on a road map.
- Demonstrate the ability to convert one unit of measurement to another (time, length, mass and capacity)
- Know the meaning of the prefixes centi, milli and kilo.
- Discover that $1000 \text{ kg} = 1 \text{ tonne}$
- Discover that $1000 \text{ ml} = 1 \text{ litre}$

GEOMETRY:

- Identify and name rays, lines, line segments and planes.
- Draw and name the different types of angles such as: right angle, straight angle, reflex and obtuse angle.
- Use capital or common letters to name angles and rays.
- Identify angles less than and equal to a right angle.
- Identify angles from different perspectives and orientations.
- Identify, draw and describe parallel, perpendicular and intersecting line segment.
- Know the different types of polygons.
- Draw polygons and know the amount of sides each has.

Eg. octagon - 8 sides
decagon - 10 sides
pentagon - 5 sides

STATISTICS:

- Know and identify the different types of graphs such as bar graph, line graph, circle graph and picture graph.
- Read and interpret bar, line, circle and picture graphs.
- Convert a pictograph into a bar graph and vice versa.

LANGUAGE ARTS

GRAMMAR:

- **Parts of speech (nouns and verbs)**
- **Know the different types of nouns.**
- **Identify and use the different types of nouns in sentences.**
- **Know how to use common and proper nouns.**
- **Know the rules of pluralizing nouns.**
- **Differentiate between Collective, Possessive and Abstract Nouns.**
- **Form nouns from other words.**
- **Identify the different verb tenses in sentences (present, past and future tense)**
- **Know the past tense of some irregular verbs.**

POETRY

INTRODUCTION TO POEMS

- **Know the parts of a poem: the title, the poet or poetess, stanzas.**
- **Know how to count the stanzas in a poem.**
- **Identify rhyming words in poems**

FIGURES OF SPEECH

- **Personification**
- **Simile**
- **Identify personifications and similes in poems.**
- **Writing sentences that show the use of personification and simile**

ENGLISH LITERATURE

NOVEL: MY FATHER SUN-SUN JOHNSON -(Chapters 1 - 4)

- **Introduction to Literature**
- **Knowing the five aspects of a novel**
 1. **setting**
 2. **theme**
 3. **characters**
 4. **style**
 5. **plot**
- **Recall facts from chapters 1 - 4.**
- **Answer questions orally from chapters 1 - 4**
- **Write character sketches of important characters such as: Rami, Sun-Sun Johnson**

COMMUNICATION TASK

Know the different kinds of sentences:

- **Command**

- Question
- Statement
- Exclamatory

CONSTRUCT SENTENCES

- Identify the subject and the predicate of a sentence
- Completing sentences

PUNCTUATION MARKS

- Use punctuation marks to construct sentences.
- Identify the functions and used of punctuation marks
- Full stop, question and exclamation mark, comma and apostrophe

SPELLING

- Knowing words and their meanings eg. atheist, bigamist, hosier, traitor
- Antonyms
- Synonyms
- Anagrams
- Compound words
- Differentiate between antonyms and synonyms

SCIENCE

SENSE ORGANS (SKIN, TONGUE, NOSE)

- Identify the sense organs and know the function that each has.
- Distinguish ways in which each sense organ is used to detect stimuli from the environment.
- Recognize the limitations of our senses.
- Explain how animals use their sense organs in particular situations.
- Identify ways in which we take care of and protect our sense organs.

SIMPLE AND COMPLEX MACHINES

- Demonstrate an understanding of simple machines such as wheels, levers, pulleys
- Identify a situation and relate how technology has changed over the years.
- Explain how levers are involved in such tools as: scissors, pliers, crowbars, tongs, fishing-rods, parts of the body.
- Explain how parts of the body and their movements are similar to levers.
- Analyze and explain the operations of complex machines.
- Know the parts of a lever
- Identify materials that are suitable for making levers, wheel and pulleys.
- Classify the different types of machines.

SOCIAL STUDIES

JAMAICA ITS LOCATION AND PHYSICAL FEATURES:

- Define concepts such as cardinal points, highlands, lowlands, relief, physical features, landforms, lines of latitude and longitude.
- Use cardinal points to locate Jamaica's position in relation to other Caribbean territories.
- Locate and name Jamaica's nearest neighbours on a map of the Caribbean.
- Locate the two main water bodies that border Caribbean territories.
- Identify Jamaica's location using latitude and longitude.
- Describe Jamaica's physical features such as mountains, rivers, valleys and plains.
- Know the difference between highlands and lowlands.
- Identify the main mountain ranges in Jamaica.
- Interpret map symbols.

JAMAICA'S COUNTIES AND PARISHES

- Name and locate the parishes and parish capitals of Jamaica.
- Names and locate the counties of Jamaica
- Explain why Jamaica is divided into counties and parishes.
- Explain how counties and parish got their names.
- Explain the importance of parish capitals.
- Identify the important buildings located in parish capitals.
- Classify parishes according to economic activities
- Compare the physical characteristics of the parishes. (location, size, relief)
- Compare the populations of the parishes.

IMPORTANT EVENTS AND PEOPLE IN JAMAICA'S HISTORY

- Know the meaning of the following concepts: Independence, emancipation, national heroes, national symbols, identity, nation Universal Adult Suffrage.
- State biographical information about each national hero.
- Identify the national heroes by names and pictures.
- Locate on a map of Jamaica places associated with the events identified.
- Observe the rules for proper care and use of our national symbols.
- Explain and identify the importance of the national symbols to us as a nation.
- Memorize the words of Jamaica's National Anthem, national Pledge, national song for school and motto.
- Explain the meaning of the colours of the Jamaican flag and the Jamaican motto.
- Identify Jamaica's Coat of Arms

THE EFFECTS OF WEATHER AND CLIMATE ON LIFE IN JAMAICA

- Know the meaning of terms such as: weather, climate, hurricane, drought, tourist, tourism.
- State the characteristics of Jamaica's weather and climate on 1. clothes 2. crops 3. materials for building construction.
- Explain how natural disasters can affect our daily lives.
- Explain why Jamaica's climate makes it an attractive tourist destination.

- **Measure the main elements of weather (wind, rainfall, temperature, cloud cover and sunshine).**
- **Record simple weather and climate data for Jamaica.**
- **Locate on a map of Jamaica the areas where our main crops are grown, main tourist resorts.**

RELIGIOUS EDUCATION

WHAT IS RELIGION?

- **Explain the human need to relate to a supreme being.**
- **Appreciates existing among different religious groups.**
- **Know the different types of religions around the world.**
 1. **Christianity**
 2. **Judaism**
 3. **Hinduism**
 4. **Islam**
- **Explain what it means to be a member of a particular religious community**
- **Identify the different religious which exist in the local community.**
- **Know about the religion Christianity.**

CHRISTIANITY

- **Know the parts of the Holy Bible: New Testament, Old Testament**
- **Identify the symbol of Christianity**
- **Observe how Christians worship in the home and in the church.**
- **Know the books of the Holy Bible**
- **Identify important biblical characters who have contributed to Christianity**
Abraham Isaac
- **Explore the Holy Bible**
- **Identify Christian festivals**
Christmas Easter
- **Know the names of different Christian leaders:**
Pastor priest deacon