



WILLS PRIMARY SCHOOL
Class 4 – Ages 10 – 11 years

MATHEMATICS

Problem Solving Strategies and Skills

The students should be able to:

- solve a problem as it relates to everyday situations
- use steps to solve problems
- use various strategies to solve a problem
- show all working as it relates to the problem

Number Concepts

The students should be able to:

- read and write numbers up to 9 999 999
- read and write place value and value up to 9 999 999
- compare and order numbers up to 9 999 999
- state the place value of a digit in numbers up to 9 999 999
- perform the basic operations (add, subtract, multiply divide) on whole numbers
- solve basic problems using four basic operations
- identify odd and even numbers
- recognize prime and composite numbers
- distinguish between factors and multiples

- recognize and determine factors of a given number
- recognize and determine multiples of a given number
- identify and use the Highest Common Factor of two or more numbers together
- identify and use the Lowest Common Factor of two or three numbers together
- express numbers as a product of its prime factors

Measurement

The students should be able to:

Money

- identify local coins and bills
- represent currency as coins, bills and a combination of coins and bills
- use coins and bills in money transactions without change
- use coins and bills in money transactions with change
- solve problems involving buying and selling
- develop an appreciation for saving money

Convert foreign currency to local and vice versa

understand the concept of distance, speed and time

convert all units of measurement to another

add, subtract, divide and multiply units of time

tell and convert time in 24 hr clock

Geometry

The students should be able to:

- identify lines of symmetry
- identify 2 -dimensional shapes
- draw 2-D shape (square, rectangle, triangle and circle)
- classify 2-D shapes according to their attributes

- **classify triangles (equilateral, right angle, isosceles, scalene)**
- **classify quadrilaterals**
- **identify 3-D shapes**
- **classify 3-D shapes according to their attributes**
- **identify and define line segments, angles and vertices**
- **identify and differentiate between different types of angles**
- **identify and draw line (horizontal, parallel, perpendicular, intersection)**
- **state the relationship between the radius and the diameter**
- **determine surface area of cubes and cuboids**

Data Handling

The students should be able to:

- **locate position on a co-ordinate graph**
- **plot co-ordinates on a grid**
- **identify intersection and union of sets**
- **use ven diagram to list elements in a set**
- **illustrate data using bar/line and pie graphs**
- **averages of given data (mean, mode, median)**
- **probability terms and outcomes**

Fractions

The students should be able to:

- **express a mixed number as an improper fraction and visa versa**
- **add and subtract fractions with mixed number**
- **multiply fractions**

- **divide fractions**
- **understand the concept of ratio**
- **express ratio as a fraction**
- **apply the concept of ratio to problems requiring sharing**
- **understand the concept of percentage**
- **express percentages as fractions and decimals**
- **use percentages to determine taxes, discounts, etc.**

GRAMMAR

The students should be able to:

- **distinguish between a sentence and a phrase**
- **identify the four types of sentences**
- **identify the subject of a sentence**
- **identify the predicate of a sentence**
- **identify the parts of speech in a sentence**
- **identify figure of speech in a sentence**
- **correct usage of singular and plural nouns**
- **identify the verb in a sentence**
- **use of verb tenses (to be, present, past, past participial, future) correctly**
- **correct usage of auxiliary verbs**
- **comparison of adjectives**
- **appropriate grammatical structure**
- **appropriate spelling**
- **identifying grammatical errors in a sentence**
- **correct usage of synonyms**
- **correct usage of antonyms**

- correct usage of homonyms
- correct usage of punctuation
- correct usage of prefixes
- correct usage of suffixes
- distinguish between a sentence and a phrase
- identify the four types of sentences
- identify the subject of a sentence
- identify the predicate of a sentence

COMPREHENSION

Reading Comprehension

The student should be able to:

- Identify and state factual information from the text
- relate what is read to prior knowledge and experience
- make inferences based on the information
- make predictions
- distinguish between significant and minor details
- relate ideas in his/her own words
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- make inferences based on the information

- **make predictions**

Reading: Skills and Strategies

The student should be able to:

- **use appropriate sight vocabulary to recognize words in isolation as well as in context**
- **use a range of decoding systems to determine pronunciation of words**
- **determine the meaning of unknown words using context, glossaries and dictionaries**
- **read aloud (at independent level)**
- **self correct when subsequent reading indicates an earlier**

Speaking and Listening Skills

The student should be able to:

- **speak clearly and audibly**
- **present information clearly**
- **speak fluently in recounting experiences**
- **discuss and orally present plans for solving problems**
- **contribute to group discussion**
- **follow oral directions with three or four steps**
- **listen to build memory**
- **follow written instructions**

Penmanship

The student should be able to

- **accurately form and consistently size letters**
- **use a style of writing that is fluent and legible**

- **observe appropriate spacing between words**
- **head all work in prescribed manner**
- **leave margins as require**