

Grade 6: Mathematics

Unit 1 - Past, Present and Future

Start: Mid-August- Mid October

Duration: 8 weeks

LEARNING EXPERIENCES:

- Ancient number systems and the Hindu-Arabic system.
- Place Value.
- Convert between word and Numeral Form.
- Expanded Form.
- Approximation and Rounding.
- Integers (2-digit).

- Factors and Multiples.
- Prime and Composite Numbers.
- Greatest common factor, lowest common multiple
- Number Lines.
- Exponents.

KEY CONCEPT:

Form

RELATED CONCEPTS:

Representation, Systems

STATEMENT OF INQUIRY

Mathematics can be **represented** in different **forms** as influenced by time and place.

INQUIRY QUESTIONS:

Factual:

What is a number?
What is a number system?

Conceptual:

How are the ways we represent quantities related?
How does the way we represent something affect its usefulness?

Debatable:

How much are we influenced by the events in the past?

OBJECTIVES AND ASSESSMENT CRITERIA:

A: Knowing & Understanding

Students will:

- i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations.
- ii. apply the selected mathematics successfully when solving problems.
- iii. solve problems correctly in a variety of contexts.

C: Communicating

Students will:

- i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements.
- ii. use appropriate forms of mathematical representation to present information.
- iii. communicate coherent mathematical lines of reasoning.
- iv. organize information using a logical structure.

D: Applying mathematics in real-life contexts

Students will:

- i. identify relevant elements of authentic real-life situations.
- ii. select appropriate mathematical strategies when solving authentic real-life situations.
- iii. apply the selected mathematical strategies successfully to reach a solution.
- iv. explain the degree of accuracy.
- v. describe whether a solution makes sense in the context of the authentic real-life situation.

ATLs

Thinking, Social, Self-Management

RESOURCES:

MS Teams /Laptops/ MyiMaths/Quizizz/Khan Academy/ManageBac

SUMMATIVE ASSESSMENT:

Criteria A, C and D