

CHOITHRAM SCHOOL NORTH CAMPUS

Lesson Plan-7

Topic-“Addition & Subtraction {Mixed Bag}”

Brief Description: This lesson plan refers to problems that involve both addition and subtraction. These types of problems can be found in basic arithmetic and are important for developing a student’s understanding of basic arithmetic and the concept of operations working with mixed sums helps to improve mental math and estimation skills, as students learn to quickly add and subtract numbers.

Specific Objectives:

The students will be able to-

S1.1- Understanding number relationship. {Understanding}

S1.2- Problem solving skills. {Knowledge}

S1.3- Critical thinking and reasoning. {Understanding}

S1.4- Understanding the inverse Relationship. {Understanding}

S1.5- Accuracy and Precision. {Knowledge}

S1.6- Classify the sums. {Application}

S1.7- Do day to day calculation. {Application}

Behavioural Objectives:

Students will be able to-

B1.1- Applying Appropriate Strategies. {Application}

B1.2- Fluency in Computation. Students should develop fluency in computing addition and subtraction, both mentally and using paper-pencil methods. {Knowledge}

B1.3- Word Problems. {Understanding & Knowledge}

B1.4- Critical Thinking. {Knowledge}

B1.5- Error Analysis and Self Correction. {Application}

B1.6- Application in Real-Life Context. {Application}

B1.7- Mathematical communication. {Knowledge}

Process/Activities:

S1.7, B1.6 & B1.1

Use real life examples: Apply math to real-life scenarios, like shopping experiences where they have to add prices or make change.

S1.1, S1.2, S1.4

Number line- This visual tool helps in understanding that addition is moving forward while subtraction is moving backward.

S1.3, S1.5, S1.6 & B1.4

Puzzles and Brain Teasers-Use math puzzles like Sudoku or logic puzzles. These require students to think critically, logically & apply various strategies to solve.

B1.2, B1.3, B1.5 & B1.7

Mathematical Discussions- This encourages deeper understanding, critical thinking & mathematical vocabulary of math concepts.

Digital content to be used-

https://youtu.be/J_C0HGZE7wM?si=v4H3k8QN2hptCWk-

<https://youtu.be/jDNTdsMVVe8?si=3sU1T3UVKc9dNj11>

Assessment Activity-

S1.6, S1.1, S1.2 & B1.3

***Worksheets**

S1.2, S1.5, S1.6, B1.4

***Math game, puzzles**

B1.2, B1.3, B1.5 & B1.7

***Av aids, smart class, play**

S1.7, B1.6, B1.1

***Daily practice in their notebook.**

Expected Learning Outcomes-

Students will be able to-

- 1. Students should understand the basic concepts of addition and subtraction, including the idea of combining and separating quantities.**
- 2. Students should become fluent in performing addition and subtraction operations, including those with regrouping/borrowing.**
- 3. Student should be able to apply addition and subtraction in various problem-solving contexts, including word problems.**
- 4. Students should develop the ability to decide whether to add or subtract in mixed operation problems, enhancing their critical thinking.**
- 5. Students should be able to apply their knowledge of addition and subtraction to real-world scenarios, understanding the practical applications of these skills.**
- 6. Students should build confidence in their ability to tackle mathematical problems, particularly those involving mixed operations.**

Placement of objective, Instructional Activities and Assessment

Topic/Duration/ Assessment						
Topic: Addition & Subtraction {Mixed Sums }						
	Knowle dge	Underst anding	Application	An aly sis	Synthesi s	Evaluat ion
Objectives	S1.2 S1.5 B1.2 B1.3 B1.4 B1.7	S1.1 S1.3 S1.4 B1.3	S1.6 S1.7 B1.1 B1.5 B1.6			
Instructional Activities	S1.3 S1.5 S1.6 B1.4	S1.1 S1.2 S1.4 B1.2 B1.3 B1.5 B1.7	S1.7 B1.6 B1.1			
Assessme nt			S1.6 S1.1 S1.2 B1.3 S1.2 S1.5 S1.6 B1.4 B1.1 S1.7			

REVIEW OF THE LESSON PLAN

(TO BE DONE WHEN THE LESSON PLAN GETS OVER)

Problem faced: Concentration span of the students, different grasping capacity, different background they come from, parents support while solving the practice worksheet, absenteeism of the students when the new topic introduced, etc.

Success- 90% of the students are able to respond well to the topic.

Failure- The remaining 10% will be considered as slow learners and we are taking frequent practice of the concepts taught by interactive classroom conversation, worksheets, Smart Board videos etc.

Real Learning Outcomes: As students become more adept at handling mixed operations, their overall confidence in dealing with numbers and mathematics can improve.

ELO- By tackling mixed sums, students enhance their ability to analyze and solve problems, choosing the correct operation based on the correct operation based on the context of the problem.

Student's response/participation - Students responded well and understood mathematical operations as when to add or subtract.

Teacher's Learning: How to cater the diverse learning.

TO INCORPORATE IN TERM 2- Frequent revision of the concepts taught as well as day to day revision can improve their concepts.