

Lesson Plan (Understanding Addition and Subtraction 1)

Secondary Courseware Skill Level 1

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Understanding Addition

Objective/Skill Activity (PLATO):

Objective: Given an addition sentence representing the union of two sets, the learner will determine the sum and name each number in the sentence as being an addend or a sum.

Content Standard (PLATO/State):

Standard: 3.M.1.2.1

Goal: Recall basic addition and subtraction facts through 18

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
- Encourage collaborative explorations and discussions using the Math Tools.
- Project the courseware on a screen for classroom demonstrations and discussions.

Classroom Activities (setting, schedule, time allotment, student guided, and independent practice):

- Whole group interaction with the students by utilizing the PLATO courseware and the learning tools provided with in the courseware.
- Use the courseware as a vehicle for individual support within a problem-solving classroom.
- Encourage peer-tutoring by assigning pairs of learners to work through a tutorial and practice together.

Extension Activity (Teacher):

- Offline activity will be provided as a follow-up activity
- Develop Journal prompts that encourage the learner to further extend their mathematical knowledge and make connections
- Assign individual lessons to small groups; have each group teach the lesson content to the whole group

Closure Activity (Teacher):

Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught

Assessment Strategy (PLATO/Teacher):

- PLATO Mastery test will be completed by each student and passed with a score of 80% or better.
- Use course level assessments as pre-tests to prescribe modules that target skill gaps.

- Use mastery tests as pre-tests to allow learners to “test out” of particular modules.
- Use printed-out journal exercises and offline activities as part of a portfolio-based assessment plan.

Follow-up/Comments:

Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again

Lesson Plan (Understanding Addition and Subtraction 1)

Secondary Courseware Skill Level 1

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Understanding Addition: Number Line and Hundreds Chart

Objective/Skill Activity (PLATO):

Objective: Given a representation of the sum of two numbers on a number line or a hundreds chart, the learner will complete the associated addition sentence.

Content Standard (PLATO/State):

Standard: 3.M.1.2.2

Goal: Add whole numbers with and with out grouping

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

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Lesson Plan (Understanding Addition and Subtraction 1)

Secondary Courseware Skill Level 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Finding the Missing Numbers in Addition

Objective/Skill Activity (PLATO):

Objective: The learner will complete missing addend sentences pertaining to basic addition facts.

Content Standard (PLATO/State):

Standard: 4.M.1.1.6

Goal: Select Strategies appropriate for solving a problem

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

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Secondary Courseware Skill Level 1

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Understanding Subtraction

Objective/Skill Activity (PLATO):

Objective: Given a diagram illustrating the removal of a subset from a given set of elements, the learner will complete the associated subtraction sentence.

Content Standard (PLATO/State):

Standard: 4.M.1.2.2

Goal: Add and subtract whole numbers.

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

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Secondary Courseware Skill Level 1

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Understanding Subtraction: Number Line and Hundreds Chart

Objective/Skill Activity (PLATO):

Objective: Given a number line or a hundreds chart on which the subtraction of one number from another is illustrated, the learner will complete the associated subtraction sentence.

Content Standard (PLATO/State):

Standard: 3.M.1.2.2

Goal: Add and Subtract whole numbers with and with out regrouping through 999.

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

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Lesson Plan (Understanding Addition and Subtraction 1)

Secondary Courseware Skill Level 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Understanding Addition and Subtraction 1

Module: Finding the Missing Number in Subtraction

Objective/Skill Activity (PLATO):

Objective: The learner will complete missing-minuend and missing-subtrahend sentences pertaining to basic subtraction facts (minuends to 18).

Content Standard (PLATO/State):

Standard: 4.M.1.1.6

Goal: Select strategies appropriate for solving a problem.

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

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