

Lesson (PLATO):

Curriculum: Math Expeditions
Course: Math Expeditions E – Red Rock
Module: Numeration Compare E

Objective/Skill Activity (PLATO):

Objective: Compare numbers to 999,999

Content Standard (PLATO/State):

Standard:

Goal:

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):

- Use PLATO Math Expeditions to strengthen core proficiency math skills.**
- Promote problem-solving strategies using the help menus.**
- Use the online math manipulatives for small or whole-group instruction.**

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.
Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.
Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.
Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.
Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again

Lesson (PLATO):

**Curriculum: Math Expeditions
Course: Math Expeditions E – Red Rock
Module: Numeration Order E**

Objective/Skill Activity (PLATO):

Objective: Order numbers to 999,999

Content Standard (PLATO/State):

Standard:

Goal:

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):

- Use PLATO Math Expeditions to strengthen core proficiency math skills.**
- Promote problem-solving strategies using the help menus.**
- Use the online math manipulatives for small or whole-group instruction.**

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

Extension Activity (Teacher):

- Use the companion worksheets as a supplement to a courseware module.**
- Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.**
- Use the companion worksheets in small groups for problem-solving strategies.**

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

- Generate reports to track and measure the learner's progress.**
- Use the PLATO Math Expeditions Companion Worksheets as a pretest.**

Follow-up/Comments:

- Discuss the report data with the learner to determine next steps.**
- Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again**

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Numeration Place Value E

Objective/Skill Activity (PLATO):

Objective: Identify place value to millions

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Numeration Round E

Objective/Skill Activity (PLATO):

Objective: Round numbers to 999,999

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Number Operations Addition E

Objective/Skill Activity (PLATO):

Objective: use mental math to add, Estimate sums, add two or more numbers

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Number Operations Subtraction E

Objective/Skill Activity (PLATO):

Objective: Subtract numbers 13-18, Estimate differences, Subtract 2-digit to 5-digit numbers

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Number Operation Multiply E

Objective/Skill Activity (PLATO):

Objective: Multiply with 0-9, Multiples & common multiples, Estimate products, Multiply by 1-digit numbers, 3-digit by 1-digit, multiply using money, multiply 4-digit by 1 digit, 2-3 digit by 2-digits

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Number Operation Division E

Objective/Skill Activity (PLATO):

Objective: Divide 1-9 with remainders, Divide 2-3 digit by 1 digit with remainders, Dividing money, Divide 2-digits with remainders, estimate quotients

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Fractions E

Objective/Skill Activity (PLATO):

Objective: Equivalent fractions/lowest terms, add & subtract same fractions, compare equivalent fractions, add & subtract different fractions

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Decimals E

Objective/Skill Activity (PLATO):

Objective: Write decimals, compare, order, round decimals, add and subtract decimals

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Measurement Length E

Objective/Skill Activity (PLATO):

Objective: Metric units of length

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Measurement Capacity E

Objective/Skill Activity (PLATO):

Objective: Metric units capacity, mass

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Geometry E

Objective/Skill Activity (PLATO):

Objective: Classify points, lines & angles, Identify geometric shapes, find the perimeter, find the area

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions E – Red Rock

Module: Graphs

Objective/Skill Activity (PLATO):

Objective: Data from graphs

Content Standard (PLATO/State):

Standard:

Goal:

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):

Use PLATO Math Expeditions to strengthen core proficiency math skills.

Promote problem-solving strategies using the help menus.

Use the online math manipulatives for small or whole-group instruction.

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

Extension Activity (Teacher):

Use the companion worksheets as a supplement to a courseware module.

Assign selected modules in Math Expeditions to reinforce skills for the advanced learner.

Use the companion worksheets in small groups for problem-solving strategies.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Generate reports to track and measure the learner's progress.

Use the PLATO Math Expeditions Companion Worksheets as a pretest.

Follow-up/Comments:

Discuss the report data with the learner to determine next steps.

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