

Lesson (PLATO):

Curriculum: Math Expeditions

Course: Math Expeditions B – Buffalo National River

Module: Number Recognition B

Objective/Skill Activity (PLATO):

Objective: Identify and count 0-6, Identify and count 7-12, and count by fives

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River****Module: Numeration Ordinals B****Objective/Skill Activity (PLATO):****Objective: Identify ordinals through tenth****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.****Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.****Closure Activity (Teacher):****Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught.****Assessment Strategy (PLATO/Teacher):****Use the PLATO Skills Inventory as to determine courseware placement.****Generate reports to track and measure the learner's progress.****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 B – Buffalo National River

Module: Numeration Compare B

Objective/Skill Activity (PLATO):

Objective: Compare numbers through 99

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Numeration Order B

Objective/Skill Activity (PLATO):

Objective: Order numbers 1-99

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Numeration Place Value B

Objective/Skill Activity (PLATO):

Objective: Identify tens & ones to 99, identify and write tens to 90

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Number Operation Addition B

Objective/Skill Activity (PLATO):

Objective: Add two numbers with sums to 10, add with zero, add three numbers with sums to 10, add two numbers with sums to 12, add two 2-digit numbers, add with money

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Number operation – Subtraction B

Objective/Skill Activity (PLATO):

Objective: Subtract numbers through 7, Subtract with zero, Subtract numbers 9-12, subtract with 2-digit number, subtract with money, subtract numbers 13-18

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Fractions B

Objective/Skill Activity (PLATO):

Objective: Identify $\frac{1}{2}$, $\frac{1}{3}$, & $\frac{1}{4}$

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Money B

Objective/Skill Activity (PLATO):

Objective: Identify coins to 99 cents

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Time B

Objective/Skill Activity (PLATO):

Objective: Tell time to the half hour

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Measurement Length B

Objective/Skill Activity (PLATO):

Objective: Measure with an inch ruler

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Measurement Mass, Weight B

Objective/Skill Activity (PLATO):

Objective: Measure weight, use pounds

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Measurement Capacity B

Objective/Skill Activity (PLATO):

Objective: Convert cups, pints & quarts

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Geometry B

Objective/Skill Activity (PLATO):

Objective: Triangles/rectangles/circles/cubes/cylinders/spheres & cones

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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 B – Buffalo National River

Module: Graphs B

Objective/Skill Activity (PLATO):

Objective: Solve problems: use a bar graph

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.

Use the math activity worksheets in PLATO Projects for the Real World (Level A-D) to supplement the modules with in the program.

Closure Activity (Teacher):

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

Assessment Strategy (PLATO/Teacher):

Use the PLATO Skills Inventory as to determine courseware placement.

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

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