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EDT 3610
Unit Plan Final

Arthur's First Grade "Helping Others"



Grade Level: First Grade

Content Areas: Mathematics, Reading and Writing, and Civics

Colorado Model Content Standards:

Mathematics

Standard 2: Students use algebraic methods to explore, model, and describe patterns and functions involving numbers, shapes, data, and graphs in problem-solving situations and communicate the reasoning used in solving these problems.

- describe patterns and other relationships using tables, graphs, and open sentences.

Standard 6: Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic, paper-and-pencil, calculators, and computers, in problem-solving situations and communicate the reasoning used in solving these problems.

- demonstrate understanding and proficiency with basic addition, subtraction...without the use of a calculator.

- demonstrate conceptual meanings for addition and subtraction

Civics

Standard 4: Students understand how citizens exercise the roles, rights, and responsibilities of participation in civil life at all levels- local, state, and national.

Reading and Writing

Standard 1: Students read and understand a variety of materials

Standard 2: Students write and speak for a variety of purposes and audiences

- Use a full range of strategies to comprehend materials such as directions.

- Generate topics and developing ideas for a variety of speaking and writing purposes (for example, writing a letter, etc.)

Standard 3: Students write and speak using conventional grammar, usage, sentence structure, punctuation, capitalization, and spelling.
-spell frequently used words correctly...

Organizational Framework:

The students were introduced to the anchored instruction program, Arthur's First Grade, and worked on the program independently for about a week. The first lesson in the integrated unit, the students completed a worksheet designed in Microsoft Word to review the skills they learned on the program. The second lesson in the unit, the students were introduced how to visually represent "helping others" shown in a spreadsheet and graphs designed in Microsoft Excel. The fourth lesson in the unit, the students learned about data entered in Microsoft Access, learning about the basic purpose of a database and how to sort information. The fifth lesson in the unit was a PowerPoint presentation presented by the teacher to review the importance of helping others. The final lesson in the unit, the students were assigned to complete a Web Quest designed by the teacher to be done as homework.

The integrated unit covers the content areas of math, reading and writing, and civics. The lesson in Microsoft Word, will cover both math and reading and writing as it is designed to be a review of the material in the program and what has been learned in class. The Excel integration will cover the content areas of both civics and math. The students will learn about the various ways in which they can help others, and learn how to visually represent numbers in the form of a graph. The Access integration is similar to the Excel integration in which it covers the Civics content areas, again reviewing concepts of 'helping others'. The PowerPoint presentation is designed to be a review of the important concepts that the students have learned about "helping others", again focusing on Civics. The last lesson plan in the unit, the Web Authoring is designed to be a wrap-up activity, both educational and fun, that the students will review skills they practiced in the program and complete other tasks as well; such as writing a letter to Arthur, writing a postcard to a friend, and playing games with Arthur's friends.

Unit Objectives:

*I have broken down the objectives into each lesson plan to provide a layout of where each objective takes place. However, several of the objectives are repeated for review purposes.

Students will understand how technology can aid them in learning.

Microsoft Word:

Students will demonstrate understanding and proficiency with basic addition and subtraction.

Students will demonstrate conceptual meanings for addition and subtraction.

Students will demonstrate that they are capable of spelling commonly used words correctly through fill in the blank exercises.

Microsoft Excel:

Students will know how and be able to explain how students are citizens in the classroom, school, community and state. .

Students will learn how to visually represent numbers in the form of a graph, and learn about the benefits of using a spreadsheet.

Microsoft Access:

Students will know how and be able to explain how students are citizens in the classroom, school, community and state.

Students will understand the concept of a database and how to sort and categorize different information.

Microsoft PowerPoint:

Students will know how and be able to explain how students are citizens in the classroom, school, community and state.

Web Quest:

Students will practice how to use the Internet as a resource and tool with the aid of an adult.

Timeline:

-After the students have been provided an opportunity or multiple opportunities to play the game (ideally a week) the following lessons will be presented:

Lesson 1- The students will be presented with a worksheet designed in Microsoft Word, with familiar problems used from Arthur's First Grade, such as addition, subtraction, and spelling words.

Time length: 30-35 minutes

Lesson 2- As a class activity, students will tell about how they help out around the neighborhood, the school, at home, etc, and the different helpful ideas will be counted and tallied and put into a spreadsheet and bar graph form using Microsoft Excel.

Time length: 40-50 minutes

Lesson 3- The students will find similarities to how they help their friends, mom, dad, teacher, etc, and the results will be entered and shown in a database designed using Microsoft Access.

Time length: 30-35 minutes

Lesson 4- The teacher will present a Power Point presentation as a review of the important concepts that the students learned about "Helping Others".

Time length: 20-25 minutes

Lesson 5- The teacher will design a Web Quest for the students to complete for homework with the help of a parent/guardian.

Time length: To be completed in 2 nights

Technologies needed:

The teacher will need to have access to the following programs:

Microsoft Word

Microsoft Excel

Microsoft Access

Microsoft Power Point

Internet access

Arthur's First Grade computer program

Classroom computer(s)

Laptop

Computer projector