

Math/Science/Writing Integrated

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Mesquite ISD
4th grade

TEKS Math

apply mathematics to problems arising in everyday life, society, and the workplace.[1A]

use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.[1B]

communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.[1D]

 create and use representations to organize, record, and communicate mathematical ideas.[1E]

analyze mathematical relationships to connect and communicate mathematical ideas.[1F]

Reading

 determine the sequence of activities needed to carry out a procedure (e.g., following a recipe).[13A]

 explain factual information presented graphically (e.g., charts, diagrams, graphs, illustrations).[13B]

English

plan a first draft by selecting a genre appropriate for conveying the intended meaning to an audience and generating ideas through a range of strategies (e.g., brainstorming, graphic organizers, logs, journals).[15A]

create brief compositions that establish a central idea in a topic sentence.[18Ai]

 create brief compositions that include supporting sentences with simple facts, details, and explanations.[18Aii]

 create brief compositions that contain a concluding statement.[18Aiii]

generate research topics from personal interests or by brainstorming with others, narrow to one topic, and formulate open-ended questions about the major research topic.[23A]

Science

construct simple tables, charts, bar graphs, and maps using tools and current technology to organize, examine, and evaluate data;[4.2]

 explore how structures and functions enable organisms to survive in their environment;[4.10A]

Organisms and environments. The student knows that organisms undergo similar life processes and have structures and behaviors that help them survive within their environment.[4.10]

Organisms and environments. The student knows and understands that living organisms within an ecosystem interact with one another and with their environment.[4.9]

We will learn how to analyze, inform, and I will choose a the best pet for the class.

Activities: 1- 2 weeks

We will research the different types of animals and their habitats and needs (science and reading)

We will then incorporate math and do a bar graph illustration/dot plot/stem and leaf plot and frequency table into narrowing our class pet choices to 2 (math)

We will write an expository and explain out of the 2 choices which one would be a perfect class pet and why and explain with the information we researched.

Teacher Action:

Guide students decision- making and thought process. Integrate math/reading/science/and English/writing

Student Action/Outcomes:

Student will go through real life decision process while understanding how everyday life decisions use math, reading, science, and english

Formative Assessment:

Exit Ticket- What they learned from the process.

Accommodations:

SPED & 504 Accommodations attached

Lesson Frame: