GRADE SIX

Turning the Tables End-of-the-Year Math Project 2024

Name _____

It's hard to believe the 2021-2022 school year is nearly over. We want to take our last little bit of time together to celebrate all we've learned. ***This will be our last big project as a class***. Let's make it the best!

DAY 1

STEP 1: Choose a topic that you both would like to present to the class

1. Unit rates
2. Ratios
3. Equivalent ratios
4. Percentages
5. Converting Decimal - Fraction - Percent
6. Multiply fractions and mixed numbers
7. Divide fractions and mixed numbers
8. Factors & Multiples
9. Greatest Common Factor
10. Least Common Multiple
11. Number Systems - Counting Numbers, Whole Numbers, Integers, Rational Numbers
12. Integers & absolute value
13. Inequalities
14. Exponents
15. Evaluating expressions
16. Solving one-variable equations
17. The 4 quadrants on the coordinate plane
18. Drawing polygons on the coordinate plane
19. Finding the Mean, Median, and Mode

STEP 2: Choose how you would like to present your topic (see checklist for guidelines)

1. Make a poster
2. Teach a lesson to the class
3. Create a test
4. Think of your own idea (needs approval)

STEP 3:

Find 3 Facts about your Research topic. You must have the following done before you start your presentation. This must be approved by the teacher before moving on:

A. Include 3 Facts about the math topic (can include definitions and procedures with drawings)

Fact 1: _____

_____

Fact 2: _____

_____

Fact 3: _____

_____

B . Include 5 problems solved with an explanation and neat and accurate work.

What is important to know when solving problems on your topic?

_____

_____

_____

CHOICE CHECKLIST:

A. **Poster Checklist**

- Title
- Description of topic
- 3 Facts about the topic
- 2 Examples that are accurate and thorough
- Neat, colourful, and organized
- Presentation - practiced and thoughtful

B. **Teach a Lesson Checklist**

- Introduction-a question or problem for students to explore with the topic
- Direct Instruction - teach the class about your topic, explanation of how to do it
- Guided examples for practice
- Assessment - check for class understanding with problems, exit tickets, checkpoints, or something else
- Presentation - practiced and thoughtful
- 5-10 minutes

C. **Create a Test**

- Create a test with <u>different problems</u> than in step 3
- Minimum 10 questions, 5 graspable (easier) and 5 reach (harder)
- 2-3 different word problems
- 1 multi-step word problem
- Challenge Bonus Question!
- Answer key
- Check for understanding - can a classmate complete your test?

D. **Your Choice – talk with your teacher**

List any materials needed:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

DAY 2

Begin making a rough presentation draft, then get approval to start a good copy.

DAY 3

Continue good copy of the presentation

DAY 4

Meet with your group for the final touches on your good copy

BEGIN PRESENTATIONS!

DAY 5

PRESENTATION DAY!

RUBRIC

1. Your TURNING THE TABLES project shows evidence of the accuracy of content

   1 2 3 4 5

   Little Evidence Some Evidence Clearly Evident

2. Your TURNING THE TABLES project shows evidence of thoughtfulness and hard work.

   1 2 3 4 5
   Little Evidence Some Evidence Clearly Evident

3. You used class time wisely to complete your project.

   1 2 3 4 5
   Little Evidence Some Evidence Clearly Evident

4. You are prepared and ready to go on the assigned date.

   1 2 3 4 5

   Little Evidence Some Evidence Clearly Evident

   5. Your 5 Facts & 5 Problems are accurate and neatly done.

   1 2 3 4 5
   Little Evidence Some Evidence Clearly Evident

5. Your TURNING THE TABLES project is neatly done with care.

   1 2 3 4 5

   Little Evidence Some Evidence Clearly Evident

YOUR TURNING THE TABLES Project grade: ____/30 COMMENTS