

William Paterson Reforms Grant
New Jersey Math Science Partnership Project
Year 3/3

Capstone Project

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TITLE: Stock Market Project

SUBJECT: Mathematics

GRADE LEVEL: 6th – 8th

DURATION: Four Weeks

OBJECTIVE:

Students will apply skills from numerical operations and data display clusters in an ongoing project.

NJCCCS:

4.18A1- 6, 4.1.8B1, 4.3.8C.1, 4.4.8A1

MATERIALS:

- Internet access
- Stock Market worksheets/spreadsheets
- Calculators
- Microsoft Excel or other spreadsheet program
- Microsoft Power Point

ACTIVITIES:

- View Brain Pop videos “Stocks and Shares” and “Stock Market”.
- Allot \$1,000 for stock portfolio and discuss requirements of the project.
- Record company name and stock symbols.
- Record share price and determine number of shares to be purchased, not exceeding \$1000.
- Track daily stock price fluctuation.
- Create a circle graph to depict distribution of stock.
- Create line graphs to track stock price fluctuation.
- Create a double bar graph to compare the initial and final investment value.
- Research parent companies of stocks held in portfolio.
- Calculate and record percent of change for each stock held.
- Develop power point presentation of stock portfolio.

ASSESSMENT:

- Completion of daily assignments
- Data Displays
- Stock Market worksheets
- Power Point Presentation

VOCABULARY:

- Investment: use of money for future profit
- Profit: income or money earned from an investment
- Loss: money lost from an investment
- Dividends: earnings a company pays to stockholders for using their savings.
- Stock: A share of ownership in a company. A stock represents a claim on the company's assets and profits.
- Stockbroker: an agent that charges a fee or commission for buying and selling shares and other securities for investors
- Shareholder: one of many owners of a company.
- Stock Market: an organized market where brokers buy and selling stocks.

STUDENT HANDOUTS & WORKSHEETS

Stock Market Project

You and your partner are given \$1000.00 to invest in the stock market. You will track your investment for two weeks and create a Portfolio to compete for the highest profit in your class. HAPPY INVESTING & GOOD LUCK!!

1. Make Choices:

- Choose a partner

Name(s) _____

- Log onto www.prongo.com/stock/index.pl.
From list provided choose up to four(4) companies in which to invest.

Company Name (s) _____

2. Create a portfolio:

- Log onto www.prongo.com/stock/index.pl or www.finance.yahoo.com.
- Enter the name of company to look up the stock symbol and current (last trade) value.
- Record the company names, symbols, and current values on the spreadsheet provided.
- Decide how many shares you will purchase for each company.
- Calculate the percent of investment for each company and record on spreadsheet.

Daily Tracking:

- Track the changes in close price and record on daily tracking sheet.

3. Display your Data:

Use Microsoft Excel to create Data Displays

- Create a graph to show your Investment Distribution. Included on this graph should be the Company name (or symbol) and the amount/percent of money initially invested in each company.
- After each week of tracking your stocks, create a graph showing the daily changes in stock value.
- Create a graph comparing your initial and final value of each company. Calculate the percent of change for each

4. Create a report:

- Create a Power Point displaying your Portfolio results.

Include:

- a profile for each company with the name, address, sector, industry and a brief summary about the company.
- an image of a stock certificate for each company, if possible.
- data displays created on Microsoft Excel.

STOCK MARKET CENTER PROJECT

Name(s)_____

Class _____

COMPANY NAME:_____

STOCK SYMBOL:_____

Purchase Price:_____

WEEK 1

Date	Day	Close Price	Percent of Change
	MON		
	TUE		
	WED		
	THU		
	FRI		

WEEK 2

Date	Day	Close Price	Percent of Change
	MON		
	TUE		
	WED		
	THU		
	FRI		

STOCK MARKET PROJECT - Initial

Name(s) _____

Class _____

A	B	C	D	E	F
Company Name	Symbol	Share Price	Number of Shares	Money Invested $E = C \times D$	Percent of Investment $F = E / G \times 100$
Total Investment G					100%

STOCK MARKET PROJECT - Final

Name(s) _____

Class _____

Date _____

A	B	C	D	E	F	G	H
Company Name	Symbol	Final Share Price	Number of Shares	Original Investment	Final Investment Value $F = C \times D$	Profit/Loss $G = F - E$	Percent of Change $H = (F - E) / E$
					Total Profit/Loss ADD ALL VALUES IN COLUMN G		

Name: _____ Date: _____

Stock Purchase Worksheet

Name of Company and Stock Symbol: _____

1. Last Trade price of one share of _____ Stock: _____

Today's High price of one share of _____ Stock: _____

Today's Low price of one share of _____ Stock: _____

The difference between current High price and the current Low price:

_____.

Previous Day's Close price of one share of _____ Stock: _____

Does the Change show an increase or a decrease? _____

How much is the change? _____

2. If you bought 10 shares of _____ stock at the close of the stock market yesterday, how much did you pay? _____

Write an equation to show the answer. _____

3. If you were to sell those 10 shares of _____ stock at the current price, would you make or lose money? _____

How much money would you make or lose? _____

Write an equation to show the answer. _____

Notes about the Corporation: _____
