

FOURTH GRADE VIRGINIA STANDARDS CORRELATED TO THE STOCK MARKET GAME™

MATHEMATICS

NUMBER AND NUMBER SENSE		SMG CORE LESSON*	
4.1a	The student will identify (orally and in writing) the place value for each digit in a whole number expressed through millions.	-Stock -Risk -Dividends -Money Grow -Funds -Exchanges	-Tickers -Diversify -Sell/Hold -Price Change -Strategy
4.1c	The student will round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand.	-Stock -Risk -Dividends -Money Grow -Funds -Exchanges	-Tickers -Diversify -Sell/Hold -Price Change -Strategy
4.2	The student will a) identify, model, and compare rational numbers (fractions and mixed numbers), using concrete objects and pictures; b) represent equivalent fractions; and c) relate fractions to decimals, using concrete objects.	-Stock -Risk -Dividends -Money Grow -Funds -Exchanges	-Tickers -Diversify -Sell/Hold -Price Change -Strategy
4.4	The student will a) read, write, represent, and identify decimals expressed through thousandths; b) round to the nearest whole number, tenth, and hundredth; and c) compare the value of two decimals, using symbols (<, >, or =), concrete materials, drawings, and calculators.	-Stock -Risk -Dividends -Money Grow -Funds -Exchanges	-Tickers -Diversify -Sell/Hold -Price Change -Strategy

COMPUTATION AND ESTIMATION		SMG CORE LESSON*	
4.5	The student will estimate whole-number sums and differences and describe the method of estimation. Students will refine estimates, using terms such as closer to, between, and a little more than.	-Stock -Risk -Dividends	-Money Grow -Price Change
4.6	The student will add and subtract whole numbers written in vertical and horizontal form, choosing appropriately between paper and pencil methods and calculators.	-Stock -Risk -Dividends	-Money Grow -Price Change
4.7	The student will find the product of two whole numbers when one factor has two digits or fewer and the other factor has three digits or fewer, using estimation and paper and pencil. For larger products (a two-digit numeral times a three-digit numeral), estimation and calculators will be used.	-Stock -Risk -Dividends	-Money Grow -Price Change
4.9b	The student will add and subtract with decimals through thousandths, using concrete materials, pictorial representations, and paper and pencil.	-Stock -Risk -Dividends	-Money Grow -Price Change
4.9c	The student will solve problems involving addition and subtraction with fractions having like and unlike denominators of 12 or less and with decimals expressed through thousandths, using various computational methods, including calculators, paper and pencil, mental computation, and estimation.	-Stock -Risk -Dividends	-Money Grow -Price Change

PROBABILITY AND STATISTICS		SMG CORE LESSONS*	
4.19	The student will a) predict the likelihood of outcomes of a simple event, using the terms certain, likely, unlikely, impossible; and b) determine the probability of a given simple event, using concrete materials.	ALL	
4.20	The student will collect, organize, and display data in line and bar graphs with scale increments of one or greater than one and use the display to interpret the results, draw conclusions, and make predictions.	ALL	

PATTERNS, FUNCTIONS, AND ALGEBRA			
4.21	The student will recognize, create, and extend numerical and geometric patterns, using concrete materials, number lines, symbols, tables and words.	-Prices and number of shares -Price quotes -Comparison of stock performance over time, cyclical nature of some stocks.	

*SMG Core Lessons are available to registered SMG teachers. Lessons are on the SMG web site www.stockmarketgame.org in the Teacher Support Center.

ENGLISH LANGUAGE ARTS

ORAL LANGUAGE		SMG CORE LESSON*	
4.1	The student will use effective oral communication skills in a variety of settings. (a) Present accurate directions to individuals and small groups. (b) Contribute to group discussions. (c) Seek ideas and opinions of others. (d) Use evidence to support opinions. (e) Use grammatically correct language and specific vocabulary to communicate ideas.	-Company -Stock -Money Grow -Risk -Funds	-Exchanges -Tickers -Sell/Hold -Strategy

READING		SMG CORE LESSON*	
4.3	The student will read fiction and nonfiction with fluency and accuracy. (a) Use context to clarify meanings of unfamiliar words. (b) Explain words with multiple meanings. (c) Use knowledge of word origins; synonyms, antonyms, and homonyms; and multiple meanings of words. (d) Use word-reference materials, including the glossary, dictionary, and thesaurus.	-Tickers -Price Change	-Sell/Hold
4.5	The student will read and demonstrate comprehension of nonfiction. (a) Use text organizers, such as type, headings, and graphics, to predict and categorize information. (b) Formulate questions that might be answered in the selection. (c) Explain the author's purpose. (d) Make simple inferences, using information from texts. (e) Draw conclusions, using information from texts. (f) Summarize content of selection, identifying important ideas and providing details for each important idea. (g) Describe relationship between content and previously learned concepts or skills. (h) Distinguish between cause and effect and between fact and opinion. (i) Identify new information gained from reading.	-Stock -Risk -Tickers	-Sell/Hold -Price Change
4.6	The student will demonstrate comprehension of information resources to research a topic. (a) Construct questions about a topic. (b) Collect information, using the resources of the media center, including online, print, and media resources. (c) Evaluate and synthesize information.	-Company -Money Grow -Risk -Dividends -Funds	-Exchanges -Diversify -Sell/Hold -Price Change -Strategy

WRITING		SMG CORE LESSON*	
4.7	The student will write effective narratives, poems, and explanations. (a) Focus on one aspect of a topic. (b) Develop a plan for writing. (c) Organize writing to convey a central idea. (d) Write several related paragraphs on the same topic. (e) Utilize elements of style, including word choice and sentence variation. (f) Write rhymed, unrhymed, and patterned poetry. (g) Use available technology.	-Risk -Diversify	-Strategy

VIRGINIA STUDIES

SKILLS		
VS.1	The student will develop skills for historical and geographical analysis including the ability to a)identify and interpret artifacts and primary and secondary source documents to understand events in history; b)determine cause and effect relationships; c)compare and contrast historical events; d)draw conclusions and make generalizations; e)make connections between past and present; f)sequence events in Virginia history; g)interpret ideas and events from different historical perspectives; h)evaluate and discuss issues orally and in writing; i)analyze and interpret maps to explain relationships among landforms, water features, climatic characteristics, and historical events.	-Many opportunities will be available to use the SMG to develop analysis skills

COLONIZATION AND CONFLICT: 1607 THROUGH THE AMERICAN REVOLUTION		
VS.3	The student will demonstrate knowledge of the first permanent English settlement in America by a) explaining the reasons for English colonization; c) identifying the important of the charters of the Virginia Company of London in establishing the Jamestown settlement	-Virginia colonization, including the Virginia Company of London, was financed by joint-stock companies in England
VS.4	The student will demonstrate knowledge of life in the Virginia colony by d) describing how money, barter, and credit were used.	-English investors in the colonization efforts expected a return on their investment

*SMG Core Lessons are available to registered SMG teachers. Lessons are on the SMG web site www.stockmarketgame.org in the Teacher Support Center.

CIVIL WAR AND POST-WAR ERAS		
VS.8	The student will demonstrate knowledge of the reconstruction of Virginia following the Civil War by a) identifying the effects of Reconstruction on like in Virginia; c) describing the importance of railroads, new industries, and the growth of cities of Virginia's economic development.	-The role of Northern investors in the rebuilding of Virginia -Role of investors in the industrial development of Virginia
VIRGINIA: 1900 TO THE PRESENT		
VS.9	The student will demonstrate knowledge of twentieth century Virginia by a) describing the economic and social transition from a rural, agricultural society to a more urban, industrialized society, including the reasons people came to Virginia from other states and countries.	-Role of investors in the industrial development of Virginia

*SMG Core Lessons are available to registered SMG teachers. Lessons are on the SMG web site www.stockmarketgame.org in the Teacher Support Center.