

- Greeks.
- Describe the contribution of the Romans to architecture, engineering, and technology.
- Explain the spread and influence of the Roman alphabet and the Latin language, and the role of Latin and Greek in scientific and academic vocabulary today.
- Describe how scientific, philosophical, and aesthetic ideas diffused throughout Europe, Asia, and Africa as a result of trade, migration, conquest, and colonization.

Health & Physical Education

- Evaluate the impact of health behaviors and choices on personal and family wellness.
- Discuss diseases and health conditions including STIs, HIV/AIDS, and Lyme Disease.
- Analyze how resilience and protective factors support healthy social and emotional development.
- Discuss how the body systems are interdependent and interrelated.
- Analyze how healthy eating can reduce the risk of disease, cancer, osteoporosis, and other health conditions.
- Compare and contrast the benefits and dangers of naturally occurring substances and commonly used medicines.
- Identify the characteristics of healthy and unhealthy relationships.
- Analyze how the use of alcohol, tobacco, and other drugs impact health and well being.
- Discuss ways to quit using substances and discuss factors that support the ability to quit.
- Discuss changes in family structures and the forces that influences change.
- Describe the signs of an unhealthy relationship and develop strategies to end it.
- Explain the role of technology plays in relationships and develop a plan for remaining safe while using technology and social media.
- Define gender identity, gender expression, and sexual orientation, and explore external influences that impact one's attitude about gender expression and sexual orientation.
- Describe the benefits of abstinence.
- Discuss routine healthcare procedures such as breast examination, testicular examination, and dental care.
- Determine behaviors that place one at risk for HIV/AIDS, STIs, HPV, or unintended pregnancy.
- Discuss pregnancy and parenting.
- Compare and contrast the use of movement skills in various forms of physical activity.
- Describe the influence of history and culture on games, sports, and dance.
- Apply offensive, defensive, and cooperative strategies in selected activities, games, or sports.
- Define and model the components of sportsmanship and fair play.
- Use specific strategies, including visualization and positive self-talk, to prepare for physical activity.
- Explain and perform the basic skills and rules of various sports such as soccer, football, basketball, baseball/softball, volleyball, racquet sports, and track and field.
- Develop cardiovascular endurance and muscular strength through participation and FITNESSGRAM component and various assessments.

Visual & Performing Arts

Visual Arts

- Demonstrate persistence in developing skills with various materials, methods, and approaches in creating works of art or design.
- Apply visual organizational strategies to design and produce a work of art, design, or media that clearly communicates information or ideas.
- Compare and explain the difference between an evaluation of an artwork based on personal criteria and an evaluation of an artwork based on a set of established criteria.
- Analyze how response to art is influenced by understanding the time and place in which it was created, the available resources, and cultural uses.

Music

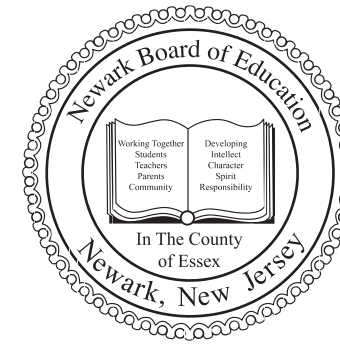
- Evaluate their own work, applying selected criteria such as appropriate application of elements of music including style, form, and use of sound sources.
- Apply collaboratively-developed criteria for selecting music of contrasting styles for a program with a specific purpose and/or context and, after discussion, identify expressive qualities, technical challenges, and reasons for choices.
- Describe a personal interpretation of contrasting works and explain how creators' and performers' application of the elements of music and expressive qualities, within genres, cultures, and historical periods, convey expressive intent.

Dance

- Use a variety of choreographic devices and dance structures to develop a dance study with a clear artistic intent. Articulate reasons for movement and structural choices.
- Utilize healthful practices and sound nutrition in dance activities and everyday life. Discuss benefits of practices and how choices enhance performance.
- Explore possibilities of producing dance in a variety of venues or for different audiences and, using production terminology, explain how the production elements would be handled in different situations.
- Compare, contrast, and discuss dances performed by people in various localities or communities. Formulate possible reasons why similarities and differences developed in relation to the ideas and perspectives important to each social group.

Theatre

- Envision and describe a scripted or improvised character's inner thoughts and objectives in a drama/theatre work.
- Choose a variety of technical elements that can be applied to a design in a drama/theatre work.
- Compare recorded personal and peer reactions to artistic choices in a drama/theatre work.
- Explain preferences, using supporting evidence and criteria to evaluate drama/theatre work.



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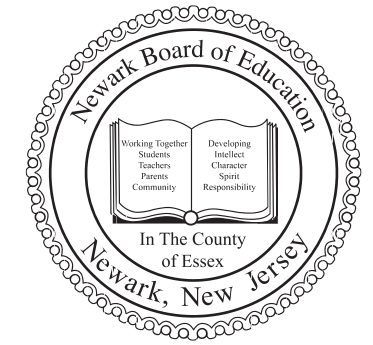
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Through the Lens of Teaching and Learning

Snapshot of Seventh Grade

Newark Board of Education
765 Broad Street
Newark, NJ 07102

Dear Parents,

Today is an exciting time to be in school. Your child will learn new and exciting things by reading, writing, problem solving, discussing, asking questions, exploring, and learning by doing. We want all students to meet with success and develop their highest potential. Listed below are some easy ways you can support your child's success in school.

Make sure your child has

- A quiet place to work with good light.
- A regular time each day for doing homework.
- Basic supplies, such as paper, pencils, pens and markers.
- Aids to good organization, such as an assignment calendar, book bag and folders.

Questions to ask your child

- What did you do in school today?
- What is your assignment today?
- Is the assignment clear? (If not, suggest calling a classmate for assistance.)
- When is it due?
- Do you need special resources to complete your assignment (e.g., dictionary, glue, paint)?
- For a major project, would it help to write out the steps or make a schedule?

Other ways to help

- Review your child's homework, but don't do the homework.
- Meet with teachers early in the year and find out about homework policies.
- Review teacher comments on homework that have been returned and discuss them with your child.
- Contact the teacher if there is a homework problem or need you cannot resolve.
- Congratulate your child on a job well done!

Read - Encourage your child to read. Reading develops vocabulary, knowledge, and a love for books.

Write - Encourage your child to try different types of writing, such as poetry, articles, stories, lists, graphic novels, Instagram posts, or anything of interest. Writing helps learners generate ideas.

Thank you,

Mr. León
Superintendent

Language Arts Literacy

- Remain curious.
- Read and write for at least 30 minutes daily.
- Participate in public speaking.
- Perform poetry.
- Participate in class discussion and be able to support a position with organized, appropriate details.
- Compare, contrast and reflect on a fictional portrayal and a historical account of the same period as a means of understanding how authors of fiction use or alter history.
- Determine two or more central ideas in a text and analyze their development over the course of the text.
- Provide an objective summary of the text.
- Interpret figures of speech in context.
- Use the relationship between particular words to better understand each of the words.
- Distinguish among the connotations of words with similar denotations.
- Develop an extended vocabulary through both listening and independent reading of texts, especially newspapers, science fiction, history, and scientific texts.
- Clarify pronunciations, meanings, alternate word choice, parts of speech, and etymology of words using the dictionary, thesaurus, glossary, and technology resources.
- Expand reading vocabulary by identifying and correctly using idioms and words with literal and figurative meanings in their speaking and writing experiences.
- Speculate about text by generating literal and inferential questions.
- Locate and analyze the elements of the setting, characterization and plot to construct understanding of how the characters influence the progression and resolution of the plot.
- Identify and analyze recurring themes across literary works.
- Interpret text ideas through writing, discussion, and enactment.
- Write responses to literature and develop insights into interpretations by connecting to personal experiences and referring to textual information.
- Choose language that expresses ideas precisely and concisely, recognizing and eliminating wordiness and redundancy.
- Choose among simple, compound, complex, and compound-complex sentences to signal differing relationships among ideas.
- Place phrases and clauses within a sentence, recognizing and correcting misplaced and dangling modifiers.
- Maintain consistency in style and tone.
- Spell grade-appropriate words correctly, consulting references as needed.
- Use previously learned conventions of Standard English correctly.

Mathematics

- Understand and use ratios and proportions to represent quantitative relationships.
- Develop, analyze, and explain methods for solving problems involving proportions, such as scaling and finding equivalent ratios.
- Solve problems involving scale factors, using ratio and proportion.
- Solve simple problems involving rates and derived measurements for such attributes as velocity and density.
- Model and solve contextualized problems using various representations, such as graphs, tables, and equations.
- Understand relationships among the angles, side lengths, perimeters, areas, and volumes of similar objects.
- Use coordinate geometry to represent and examine the properties of geometric shapes.
- Use geometry to examine special geometric shapes, such as regular polygons or those such as regular polygons or those with pairs of parallel or perpendicular sides.
- Select and apply techniques and tools to accurately find length, area, volume, and angle measures to appropriate levels of precision.
- Develop an initial conceptual understanding of different uses of variables.

- Use symbolic algebra to represent situations and to solve problems, especially those that involve linear relationships.
- Recognize and generate equivalent forms for simple algebraic expressions and solve linear equations.
- Use geometric models to represent and explain numerical and algebraic relationships.
- Formulate questions, design studies, and collect data about a characteristic shared by two populations or different characteristics within one population.
- Select, create, and use appropriate graphical representations of data, including histograms, box plots, and scatterplots.
- Find, use, and interpret measures of center and spread, including mean and interquartile range.
- Discuss and understand the correspondence between data sets and their graphical representations, especially histograms, stem-and-leaf plots, box plots, and scatterplots.
- Use observations about differences between two or more samples to make conjectures about the populations from which the samples were taken.
- Use conjectures to formulate new questions and plan new studies to answer them.
- Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency.
- Develop probability models and use them to find probabilities of events.
- Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.
- Use proportionality and a basic understanding of probability to make and test conjectures about the results of experiments and simulations.
- Compute probabilities for simple compound events, using such methods as organized lists, tree diagrams, and area models.
- Describe sizes, positions, and orientations of shapes under informal transformations such as flips, turns, slides, and scaling.
- Understand relationships among the angles, side lengths, perimeters, areas, and volumes of similar objects.
- Examine the congruence, similarity, and line or rotational symmetry of objects using transformations.
- Use two-dimensional representations of three-dimensional objects to visualize and solve problems such as those involving surface area and volume.
- Develop strategies to determine the surface area and volume of cones, cylinders and spheres.

Science

- Describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.
- Construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes.
- Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
- Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.
- Determine the factors that affect the strength of electric and magnetic forces.
- Support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.
- Describe the relationships of kinetic energy to the mass of an object and the speed of an object.
- Describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.
- Support the claim that when the motion energy of an object changes, energy is transferred to or from the object.
- Describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.
- Provide evidence that living things are made of cells, either one cell or many different numbers and types of cells.

- Describe the function of a cell as a whole and ways parts of cells contribute to the function.
- Describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.
- Determine scale properties of objects in the solar system.
- Understand that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.
- Determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.
- Describe a simple model for waves that includes how the amplitude of a wave is related to the energy in a wave.
- Describe that waves are reflected, absorbed, or transmitted through various materials.
- Describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.
- Describe the atomic composition of simple molecules and extended structures.
- Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
- Describe that synthetic materials come from natural resources and impact society.
- Explain how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.

Social Studies

- Draw on disciplinary concepts from history, geography, economics, and civics to analyze how a specific problem can manifest itself at local, regional, and global levels over time.
- Weigh purpose and varying points of view in multiple sources while conducting inquiries.
- Critique the usefulness of historical sources for a specific historical inquiry based on their maker, date, place of origin, intended audience, and purpose.
- Identify the challenges and opportunities faced by those trying to address a problem.
- Compare perspectives of people in the past to those of people in the present across multiple sources while clearly distinguishing opinion from fact.
- Understand and be able to map politically and physically Central and South Asia, East Asia, Southeast Asia and Oceania, and Europe.
- On a physical map of the world, use cardinal directions, map scales, key/legend, and title to locate Central and South Asia.
- Explain the contributions of Early Indian and Central Asian civilizations, religions, and cultures.
- Describe important economic, political, and religious developments in early Chinese history and evaluate the ways in which they are similar to or different from the characteristics of societies in other regions of the world.
- Trace the spread of Buddhism from India in the 4th century BCE to China, Korea, and Japan, and its development in Japan from the 6th through the 13th century CE; explain significant cultural contributions of ancient Japan.
- Describe the impact of encounters, such as through trade, religion, and conquest, among the ancient civilizations of China, Japan, and Korea.
- Identify and describe the major social features of the indigenous peoples in Australia (the Aborigines) and New Zealand (the Maoris).
- Explain Ancient and Classical Greece, c. 1200–300 BCE; and Ancient and Classical Rome, the Roman Republic, and the Roman Empire, c. 500 BCE–500 CE.
- Identify the major accomplishments of the ancient