

## Health Dynamics

### The seventh grade student will:

- Demonstrate developmentally appropriate basic manipulative and advanced specialized physical skills, including throwing and catching different objects with both accuracy and force
- Participate in activities that promote physical fitness, decrease sedentary lifestyle, and relieve mental and emotional tension
- Describe the purpose and benefits of sports, games, and dance in modern society
- Explore decision-making skills and describe the value of a personal support system to good mental health
- Design and play small group games that involve cooperating with others

## Music

### The seventh grade student will:

- Play both melodies and chords on keyboard or guitar to a recreational level
- Read standard notation and play melodies and chords on keyboard or guitar
- Interpret advanced styles and forms of music through listening and composing
- Use AB, ABA, AABA, Rondo and Standard Pop form in writing compositions
- Play and analyze own compositions and the compositions of classmates

## Enrichments

In addition to art, music, and health dynamics, the following unified arts are part of the 7th grade curriculum:

- Technology / Engineering
- Drama
- Industrial Arts
- Leadership
- Math Team
- Mock Trial

## Curriculum Team Vision

All teachers will plan for instruction using the Massachusetts Curriculum Frameworks, aligned to the Common Core, and craft powerful learning experiences for students.

## Contact Us

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# LYNN PUBLIC SCHOOLS

## *Seventh Grade Curriculum Guide*

The Lynn Public Schools



*Excellence and Innovation  
in Education*

## English Language Arts

### The seventh grade student will:

#### Reading Literature & Informational texts

- Cite several pieces of textual evidence
- Determine a theme of a text and analyze its development over the course of the text
- Analyze how particular elements of a story or drama interact
- Determine the meaning of words and phrases as they are used in a text (with a focus on figurative and connotative meanings and rhymes and other repetition sounds)
- Analyze how drama's or poem's form or structure contribute to its meaning
- Analyze how an author develops and contrasts the points of view of different characters or narrators in a text
- Compare and contrast a written story, drama or poem to its audio, filmed, staged or multimedia version, analyzing the effects or techniques unique to each medium
- Compare and contrast a fictional portrayal of a time, place or character and a historical account of the same period
- Analyze the interactions between individuals, events and ideas in a text
- Determine the meaning of words and phrases as they are used in a text
- Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and the development of ideas
- Determine the author's point of view or purpose in a text and analyze how the author distinguishes his or her position from that of others
- Compare and contrast a text to an audio, video or multimedia version of the text
- Trace and evaluate the arguments and specific claims in a text
- Analyze how two or more authors writing about the same topic shape their presentation

#### Writing

- Write arguments to support claims with clear reasons and relevant evidence
- Write informative/explanatory texts to examine a topic
- Write narratives to develop real or imagined experiences or events
- Produce clear and coherent writing in which the development, organization and style are appropriate to the task, purpose and audience
- With guidance and support from peers and adults, develop and strengthen writing
- Use technology to produce and publish writing and link to and cite sources as well as to interact and collaborate with others
- Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation

## English Language Arts *continued*

- Gather relevant information from multiple print and digital sources, use search terms effectively, assess the credibility and accuracy of each sources, and quote using a standard format for citation
- Draw evidence from literary or informational texts to support analysis, reflection and research
- Write routinely over extended time frames and shorter time frames for a range of discipline specific tasks, purposes and audiences

#### Speaking and Listening

- Engage effectively in a range of collaborative discussions with diverse partners on grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly
- Interpret information presented in diverse media and formats
- Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence
- Present claims and findings, emphasizing salient points in a focused, coherent manner
- Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points
- Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate

#### Language

- Demonstrate command of the conventions of standard English grammar and usage when writing or speaking (with a focus on phrases and clauses and simple, compound, complex, and compound-complex sentences)
- Demonstrate command of the conventions of standard capitalization, punctuation, and spelling when writing (with a focus on using a comma to separate coordinating adjectives)
- Determine or clarify the meaning of unknown or multiple meaning words based on grade 7 reading and content
- Use knowledge of language and its conventions when writing, speaking, reading or listening (with a focus on word choice)
- Demonstrate understanding of figurative language, word relationships, and nuances in word meanings (with a focus on figures of speech like allusions, relationships of words like synonyms and antonyms, and connotations versus denotations)
- Acquire and use grade appropriate general academic and domain specific words and phrases accurately

## Mathematics

### The seventh grade student will:

#### Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems

#### The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers

#### Expressions and Equations

- Use properties of operations to generate equivalent expressions
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations

#### Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume

#### Statistics and Probability

- Use random sampling to draw inferences about a population
- Draw informal comparative inferences about two populations
- Investigate chance processes and develop, use, and evaluate probability models

## Science

### The seventh grade student will:

- Recognize that the measurement of volume and mass requires understanding of the sensitivity of measurement tools, knowledge and appropriate use of significant digits
- Differentiate between an atom and a molecule
- Explain and give examples of how mass is conserved in a closed system
- Explain and give examples of how physical evidence such as fossils and surface features of glaciation supports theories that the earth has evolved over geologic time
- Describe the layers of solid earth
- Describe and give examples of ways in which the earth's surface is built up and torn down by natural processes
- Differentiate among radiation, conduction, and convection, the three mechanisms by which heat is transferred through the earth's system
- Recognize that all organisms are composed of cells, and that most organisms are single celled. In these single celled organisms one cell must carry out all of the basic functions of life
- Compare and contrast plant and animal cells
- Traits and heredity
- Recognize that heredity information is contained in genes located in the chromosomes of each cell
- Classify organisms into all kingdoms according to characteristics that they share. Be familiar with organisms from each kingdom.

## Social Studies

In Geography, seventh graders study the world outside of North America. Students systematically travel from continent to continent learning about the world through the five themes of geography.

**The seventh grade student will be able to:**

### History and Geography

- Locate on a map major countries and cities
- Identify physical features such as:
  - Oceans, Seas, Rivers, and Lakes
  - Mountain Ranges and Valleys
  - Basins, Plateaus and Deserts
- Explain the difference between absolute and relative location and be able to provide examples of each
- Understand time zones and the functions of the International Date Line and the Royal Observatory in Greenwich, England
- Interpret thematic maps such as physical, political, climate, economic resources, and population density
- Describe how the five themes of geography have impacted, and continue to impact the development of different cultures around the globe
- Distinguish and understand the difference between ethnic group, religious group, and linguistic group

### Economics

- Define supply and demand and describe how changes in them affect prices
- Describe how different economic systems (market, command, traditional and mixed) try to answer the basic economic questions of what to produce, how to produce, and for whom to produce

## Literacy in Science/Social Studies and Technical Subjects

### Reading Standards for Literacy in History/Social Studies 6-8

- Cite specific textual evidence to support analysis of primary and secondary sources
- Determine the central ideas or information of a primary or secondary source; provide an accurate summary of the source distinct from prior knowledge or opinions
- Identify key steps in a text's description of a process related to history/social studies
- Determine the meaning of words and phrases as they are used in a text, including vocabulary specific to domains related to history/social studies
- Describe how a text presents information
- Identify aspects of a text that reveal an author's point of view or purpose
- Integrate visual information) with other information in print or digital texts
- Distinguish among fact, opinion, and reasoned judgment in a text
- Analyze the relationship between a primary and secondary source on the same topic

## Literacy in Science, Social Studies and Technical Subjects *continued*

### Writing Standards for Literacy in History/Social Studies 6-8

- Write arguments focused on discipline-specific content
  - Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically
  - Support claims with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources
  - Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence
  - Establish and maintain a formal style
  - Provide a concluding statement or section that follows from and supports the argument presented accurately
- Write informative/explanatory texts, including the narration of historical events
  - Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g. headings), graphics (e.g. charts, tables) and multimedia when useful in aiding comprehension
  - Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples
  - Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts
  - Use precise language and domain-specific vocabulary to inform about or explain the topic
  - Establish and maintain a formal style and objective tone
  - Provide a concluding statement or section that follows from and supports the information or explanation presented
- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience
- With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed
- Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently
- Draw evidence from informational texts to support analysis, reflection, and research

## Literacy in Science, Social Studies and Technical Subjects *continued*

- Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration
- Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format of citation
- Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences

## Foreign Language

### The seventh grade Foreign Language student will:

- Recognize, produce and comprehend all sounds of the target language
- Understand the concept of the informal and formal pronouns for "you" and use them correctly
- Understand the concept of gender and noun and adjective agreement and use them correctly
- Understand the concept of conjugating verbs and be able to conjugate the three regular groups of verbs in the present tense
- Conjugate the common irregular verbs in present tense
- Form questions and make statements negative
- Communicate orally and in writing about their family, friends, school, courses and home in target language
- Describe orally and in writing what is eaten at the three meals in the target language
- Compare and contrast families, food, schools and courses in the United States and in target language cultures (in English)