



Seventh Grade Standards of Learning

I. Academic Standards

The following academic standards apply for Seventh Grade at Wornick Jewish Day School. These standards reference Common Core, California State standards, and Next Generation Science standards. More information on these standards can be found at www.corestandards.org, www.cde.ca.gov, and <http://www.nextgenscience.org>.

Language Arts

- Language Conventions
 - Applies appropriate grade-level strategies to determine or clarify the meaning of unknown or multiple-meaning words
 - Applies understanding of figurative language in writing and discussion
 - Demonstrates grade-level appropriate command of standard English grammar and conventions when writing
- Reading Nonfiction Text
 - Analyzes purpose of text and author's point of view
 - Comprehends grade level nonfiction material with accuracy
 - Distinguishes claims that are supported by reason and evidence from claims that are not
 - Identifies and uses text features
 - Reads grade level text with accuracy and fluency
 - Refers to key details when describing the main idea of a text
 - Refers to key details when drawing inferences
 - Summarizes texts and main idea
- Reading Fiction Text
 - Analyzes author's point of view
 - Analyzes purpose of text
 - Comprehends fictional grade level material with accuracy
 - Distinguishes claims that are supported by reason and evidence from claims that are not
 - Reads grade level material with accuracy
 - Reads grade level material with fluency
 - Refers to key details when describing the main idea of a text
 - Refers to key details when drawing inferences

- Summarizes text and main idea
- Writing
 - Applies the writing process (pre-writing, drafting, revising, and editing)
 - Writes informative text that examines a topic and conveys ideas clearly
 - Writes narratives using descriptive details and chronological event sequences
 - Writes persuasive text with supporting evidence
- Listening and Speaking
 - Engages in a range of collaborative discussions, building on the ideas of others and expressing their own clearly
 - Plans and delivers a variety of well-organized oral presentations

Mathematics

- Expressions and Equations - Algebra
 - Analyze and solve linear equations and pairs of simultaneous linear equations
 - Create equations and inequalities in one variable and use them to solve problems
 - Create equations in two or more variables to represent relationships between quantities
 - Interpret the structure of expressions
 - Perform arithmetic operations on polynomials
 - Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations
 - Reason quantitatively and use units to solve problems
 - Recognize the connections between proportional relationships, lines, and linear equations
 - Represent and solve equations and inequalities graphically
 - Solve equations and inequalities in one variable Solve systems of equations
 - Understand solving equations as a process of reasoning and explain the reasoning
- Functions - Algebra
 - Analyze functions using different representations
 - Build a function that models a relationship between two quantities
 - Build new functions from existing functions
 - Define, evaluate, compare functions
 - Interpret functions that arise in applications in terms of the context
 - Use function notation
 - Use functions to model relationships between quantities
- Geometry
 - Derive and apply the Pythagorean theorem
 - Explain congruence and similarity using physical models, transparencies, or geometry software
 - Use coordinates to prove simple geometric theorems algebraically
- Linear, Quadratic, and Exponential Models

- Construct and compare linear, quadratic, and exponential models and solve problems
- Interpret expressions for functions in terms of the situation they model
- Real Number System
 - Extend the properties of exponents to integer exponents
 - Use properties of rational and irrational numbers
- Statistics and Probability
 - Interpret linear models
 - Investigate patterns of association in data with two variables
 - Summarize, represent, and interpret data on a single count or measurement variable
 - Summarize, represent, and interpret data on two categorical and quantitative variables
- Mathematical Practices
 - Apply mathematical ideas to real life (model with mathematics)
 - Attend to precision
 - Construct viable arguments and critique the reasoning of others
 - Look for and express regularity in repeated reasoning
 - Look for and make use of structure (patterns)
 - Make sense of problems and persevere in solving them
 - Use appropriate tools strategically

Science

- Engineering Design
 - Analyze data from tests to identify the best characteristics of each that can be combined into a new solution
 - Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution
 - Develop a model to generate data for repeated testing and modification
 - Evaluate competing design solutions using a systematic process
- From Molecules to Organisms
 - Conduct an investigation to provide evidence that living things are made of cells
 - Construct a scientific explanation based on evidence for the role of photosynthesis in the flow of energy
 - Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function
- Ecosystems
 - Analyze and interpret data to provide evidence for the effects of resource availability on an ecosystem
 - Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems
 - Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem

- Evaluate competing design solutions for maintaining biodiversity and ecosystem services
- Heredity
 - Develop and use a model why structural changes to genes may result in effects to the structure and function
- Biological Evolution
 - Apply scientific ideas to construct an explanation for evolution through analyzing similarities and differences in organisms

Social Studies

- Medieval and Early Modern History
 - Analyze the geographic, political economic, religious, and social structures of the civilizations of China in the Middle Ages
 - Analyze the geographic, political economic, religious, and social structures of the civilizations of Islam in the Middle Ages
 - Analyze the geographic, political economic, religious, and social structures of the civilizations of Medieval Europe
 - Analyze the geographic, political economic, religious, and social structures of the civilizations of Medieval Japan
 - Analyze the geographic, political economic, religious, and social structures of the sub-Saharan civilizations of Ghana and Mali in Medieval Africa
 - Analyze the historical developments of the Reformation
 - Analyze the historical developments of the Scientific Revolution and its lasting effect on religious, political, and cultural institutions
 - Analyze the origins, accomplishments, and geographic diffusion of the Renaissance
 - Compare and contrast the geographic, political, economic, religious, and social structures of the Mesoamerican and Andean civilizations

Hebrew

- Listening and Speaking
 - Engages effectively in social and academic conversations
 - Speaks clearly and comprehensibly using correct grammatical forms
 - Understands key ideas and supporting details
 - Understands most authentic spoken language
 - Uses a wide range of appropriate vocabulary
- Reading
 - Acquires knowledge and information from new text
 - Cites several pieces of textual evidence to support an answer
 - Reads aloud text with accuracy, fluency, and expression
 - Uses detailed sentences to respond orally to comprehension questions
 - Uses knowledge of content areas to understand unknown words
- Writing

- Creates a coherent, grammatically correct paragraph
- Uses a wide range of appropriate vocabulary

Judaic Studies

- Jewish History
 - Analyzes the change the Enlightenment and Emancipation brought to Jewish life
 - Compares and contrasts early modern and contemporary Jewish communities
 - Describes literary, social, and cultural developments of 19th century European Jewish life
 - Explains the impact of the emergence of Jewish denominationalism on Jewish life
 - Explains the impact of Zionism on Jewish life
 - Uses a variety of sources to explain the impact of modern Jewish immigration to Jewish communities in America and Israel
 - Uses and interprets primary and secondary sources correctly and effectively
- Jewish Life
 - Demonstrates personal practice of Jewish values and mitzvot
 - Leads and participates in t'fillah with kavannah and maturity
 - Works productively and constructively in chevruta
- Tanakh
 - Analyzes motivations and personalities of the prophets in Nevi'im
 - Analyzes prophetic imperative for moral action and social responsibility in Nevi'im
 - Connects Nevi'im text to personal experience and contemporary modern moral voices
 - Differentiates between p'shat and drash
 - Explores various interpretations of modern moral issues in Nevi'im
 - Locate correct sefer, perek, and pasuk in Tanakh
 - Recognizes and analyzes that Tanakh contains multiples interpretations expressed through time
- Tzedakah
 - Applies interviewing, budget analysis, and notetaking skills
 - Demonstrates creativity, initiative, and leadership in fundraising
 - Effectively delivers an oral presentation expressing a point of view based on research and supported by evidence

Physical Education

- Fitness Concepts
 - Demonstrates knowledge of warming and cooling concepts
 - Demonstrates strength and flexibility at grade level
- Manipulative Skills
 - Manipulates objects with both hands and feet
- Motor Skills & Movement Patterns
 - Can combine movement patterns and skills

- Demonstrates mature decision in motor skills and movement patterns
- Movement Concepts
 - Can analyze, strategize, and correct errors in movement concept
 - Is able to develop a game that utilizes manipulative skills, offensive strategies and a scoring system
- Physical Education Expectations
 - Arrives to class on time, participates, dresses in PE clothes

II. Process Goals

In addition to rigorous academic learning, Wornick emphasizes additional skills that support the whole child and prepare them for high school, college, and beyond, including: organization, critical thinking, growth mindset, collaboration, creativity, public speaking, social-emotional learning, and respect for self and others. The following process goals are a critical component of an education at Wornick Jewish Day School.

Demonstration of a Successful Learner

- Keeps organized
- Exhibits neatness and legibility
- Works independently
- Follows directions
- Follows class rules, routines, and expectations
- Works in a timely manner
- Takes initiative
- Takes responsibility for actions
- Applies constructive feedback

Demonstration of an Effective Communicator

- Respects self, others, and environment
- Collaborates with peers
- Participates in a range of collaborative discussions
- Self advocates
- Demonstrates problem solving skills
- Asks clarifying questions
- Uses technology appropriately