



Sixth Grade Standards of Learning

I. Academic Standards

The following academic standards apply for Sixth 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

Reading: Literature

- Summarize literary texts objectively.
- Cite textual evidence to support analysis and draw inferences.
- Identify themes or central ideas and explain how they are developed.
- Analyze plot development and character growth.
- Explain how an author develops the narrator's or speaker's point of view.
- Compare and contrast texts across genres and formats.
- Read and comprehend literary texts independently.

Reading: Informational Text

- Read and comprehend literary nonfiction and informational texts.

Writing

- Plan, revise, edit, and strengthen writing.
- Write well-supported argumentative pieces.
- Write informative texts that clearly explain ideas and topics.
- Write engaging narratives with effective structure, detail, and technique.

Speaking & Listening

- Participate effectively in collaborative discussions.
- Present ideas, claims, and findings in a clear, logical manner.
- Use multimedia and visual aids to enhance presentations.
- Plan and deliver organized, effective presentations.

Language

- Demonstrate command of standard English grammar.
 - Use correct capitalization, punctuation, and spelling.
 - Vary sentence structure for clarity, style, and audience engagement.
 - Determine the meaning of unfamiliar and multiple-meaning words.
 - Understand figurative language, word relationships, and nuances in meaning.
 - Use academic and domain-specific vocabulary accurately.
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Science

Engineering Design

- Define design problems using clear criteria and constraints.
- Develop and test models to improve design solutions.
- Analyze test data to refine and optimize designs.
- Evaluate competing design solutions using a systematic process.

Life Science: From Molecules to Organisms

- Investigate and explain that all living things are made of cells.
- Model the structure and function of cells.
- Explain the role of photosynthesis in the flow of energy through living systems.

Earth Science

- Explain how Earth's resources result from geologic processes.
- Analyze evidence for plate tectonics using fossils, rocks, and seafloor features.
- Explain how geologic processes shape Earth's surface.
- Model the cycling of Earth's materials and energy.

Physical Science: Matter and Its Interactions

- Model the atomic composition of molecules and extended structures.
 - Analyze evidence to determine when chemical reactions have occurred.
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Hebrew (Native)

Reading

- Read Hebrew fluently with accuracy, expression, and comprehension.
- Understand complex texts using strong vocabulary and inference skills.

Writing

- Write organized texts for a variety of purposes.
- Support opinions and research with evidence and clear reasoning.

Speaking & Listening

- Participate effectively in academic and social discussions.
 - Exchange detailed information on familiar and unfamiliar topics.
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Hebrew (Non-Native)

- **Reading**

- Read Hebrew fluently with accuracy, appropriate pace, and expressive intonation.
- Demonstrate understanding of Hebrew vocabulary and grammar.
- Comprehend and analyze written texts.
- Answer comprehension questions accurately and provide thoughtful insights into a text's meaning and themes.
- Demonstrate strong listening comprehension by understanding and analyzing spoken Hebrew.

- **Writing**

- Write narrative pieces describing activities, events, and personal or social experiences.

- Summarize and support a viewpoint on familiar or researched topics with clear reasons.
- **Listening & Speaking**
 - Exchange preferences, feelings, opinions, and basic advice on familiar topics.
 - Present information on familiar topics and researched subjects with clarity and confidence.

Jewish Studies

TaNakh

- Translate passages from TaNaKh.
- Connect Torah learning to personal experiences and contemporary life.
- Collaborate productively in *Chevruta* learning.

Jewish Life

- Demonstrate leadership during *Tefillah*.
- Understand the themes and traditions of Jewish holidays through texts.
- Articulate personal Jewish identity.
- Distinguish among Jewish denominations and their core values (*Middot*).

Jewish History

- Analyze major events from the Second Temple period.
 - Evaluate primary and secondary historical sources.
 - Deliver presentations demonstrating understanding of unity and diversity in the modern Jewish world.
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Social Studies

Ancient History

- Explain the development of early humans and ancient civilizations.
- Analyze the civilizations of Mesopotamia, Egypt, Kush, the Ancient Hebrews, China, India, Greece, and Rome.

Historical Thinking Skills

- Explain relationships among historical events.
- Create timelines and other historical representations.
- Use maps to analyze physical, cultural, political, and economic relationships.
- Develop historical research questions.
- Distinguish relevant, credible, and verifiable information.
- Analyze historical issues within their historical context.

Reading for History

- Cite evidence from historical texts.
- Determine and summarize central ideas.
- Interpret domain-specific vocabulary.
- Integrate information from visual and written sources.
- Distinguish fact, opinion, and reasoned judgment.

Writing for History

- Produce clear, organized historical writing.
 - Conduct research using multiple reliable sources.
 - Evaluate sources, cite evidence, and avoid plagiarism.
 - Use evidence to support historical analysis and reflection.
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Pre-Algebra - Double Accelerated Track

Expressions & Equations

- Write, evaluate, and simplify algebraic expressions.
- Solve multi-step equations.
- Represent and analyze proportional relationships.
- Write, graph, and solve inequalities.

Geometry

- Solve problems involving area, surface area, and volume.
- Solve area problems involving two-dimensional figures.
- Apply the Pythagorean Theorem to solve real-world problems.

Ratios & Proportional Relationships

- Use unit rates to solve real-world problems.
- Describe relationships using ratios.
- Apply proportional reasoning.
- Solve percentage problems using models.

Statistics & Probability

- Interpret and compare data displays.
- Draw informal statistical inferences.
- Develop and evaluate probability models.

Number System

- Divide fractions.
- Perform operations with decimals, integers, and rational numbers.
- Find factors and multiples.
- Represent rational numbers on number lines and coordinate planes.
- Understand positive and negative numbers in real-world contexts.
- Interpret exponents.
- Recognize and approximate irrational numbers.

Mathematical Practices

- Apply mathematics to real-world situations.
 - Attend to precision.
 - Construct and justify mathematical arguments.
 - Recognize patterns and mathematical structure.
 - Persevere in solving problems.
 - Reason abstractly and quantitatively.
 - Select and use appropriate mathematical tools.
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Mathematics - Single Accelerated Track

- **Expressions & Equations**
 - Use algebraic properties to generate equivalent expressions.
 - Solve two-step equations.
 - Solve two-step inequalities.

- Graph the solution set of a one-variable inequality and interpret it in context.
- Solve real-world and mathematical problems using numerical and algebraic expressions and equations.
- **Geometry**
 - Solve problems involving scale drawings, including finding actual lengths and areas and creating scale drawings at different scales.
 - Solve real-world and mathematical problems involving angle measures.
 - Solve two-dimensional problems involving area, including circles and irregular figures.
 - Solve three-dimensional problems involving volume and surface area, including cylinders.
- **Ratios & Proportional Relationships**
 - Analyze proportional relationships and use them to solve real-world and mathematical problems.
 - Compute unit rates involving fractions, including measurements of length, area, and other quantities.
 - Recognize and represent proportional relationships between quantities.
 - Represent proportional relationships using equations.
 - Solve multi-step ratio and percent problems using proportional reasoning.
- **Statistics & Probability**
 - Interpret dot plots, histograms, and box plots using measures of center and variability.
 - Draw informal comparative inferences about two populations.
 - Investigate chance processes and develop, use, and evaluate probability models.
- **The Number System**
 - Add, subtract, multiply, and divide signed rational numbers.
 - Represent addition and subtraction of rational numbers on horizontal and vertical number lines.
 - Solve real-world and mathematical problems using the four operations with rational numbers.
- **Mathematical Practices**
 - Apply mathematical concepts to real-world situations.
 - Attend to precision in mathematical work.
 - Construct and justify mathematical arguments while evaluating the reasoning of others.
 - Recognize and apply patterns in repeated reasoning.
 - Identify and use mathematical structure and patterns.

- Make sense of problems and persevere in solving them.
 - Reason abstractly and quantitatively.
 - Select and use appropriate mathematical tools strategically.
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Mathematics - Grade Level Track

- **Expressions & Equations**

- Reason about and solve one-step linear equations.
- Represent and analyze relationships between dependent and independent variables.
- Write inequalities to represent real-world and mathematical situations.
- Write, read, and evaluate numerical expressions with one variable, including the distributive property.

- **Geometry**

- Solve real-world and mathematical problems involving area, surface area, and volume of three-dimensional figures.
- Solve real-world and mathematical problems involving the area of two-dimensional figures.

- **Ratios & Proportional Relationships**

- Use unit rates to solve real-world problems.
- Describe relationships between quantities using ratio language.
- Apply ratio reasoning to solve real-world and mathematical problems.
- Use models to represent percentages and solve percent problems.

Statistics & Probability

- Compute measures of center and variability.
- Summarize and describe numerical data using representations such as dot plots and histograms.

The Number System

- Divide fractions using multiplication and division concepts.
- Compute fluently with multi-digit decimals and integers.
- Find factors and multiples of multi-digit numbers.
- Represent integers and rational numbers on number lines and the coordinate plane.

- Understand positive and negative numbers and use them to represent real-world quantities.

Mathematical Practices

- Apply mathematical concepts to real-world situations.
 - Attend to precision in mathematical work.
 - Construct and justify mathematical arguments while evaluating the reasoning of others.
 - Recognize and apply patterns in repeated reasoning.
 - Identify and use mathematical structure and patterns.
 - Make sense of problems and persevere in solving them.
 - Reason abstractly and quantitatively.
 - Select and use appropriate mathematical tools strategically.
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Physical Education

Participation

- Arrive prepared and participate consistently in physical activity.

Motor Skills & Movement

- Transfer skills across activities.
- Combine movement patterns in team sports.
- Demonstrate control using hands and feet.
- Apply offensive and defensive strategies.
- Design games using rules, scoring, and team strategies.

Fitness

- Demonstrate age-appropriate fitness and strength.
- Apply warm-up and cool-down techniques.

Teamwork

- Demonstrate sportsmanship and respect for others.
- Collaborate effectively to achieve team goals.
- Recognize and celebrate teammates' contributions.

- Fulfill team roles and responsibilities.
- Demonstrate leadership in team activities.
- Foster an inclusive and supportive environment for all participants.

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.

Effective Leadership Skills

- Follow directions, class rules, routines, and expectations.
 - Take responsibility for actions.
 - Demonstrate initiative.
 - Give constructive feedback to others.
 - Apply constructive feedback to improve performance.
 - Show respect for self, others, and the environment.
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Effective Communication Skills

- Advocate for personal social, emotional, and academic needs.
 - Participate effectively in collaborative discussions.
 - Ask clarifying questions to deepen understanding.
 - Collaborate respectfully and productively with peers.
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Effective Learning Skills

- Keep personal space and materials organized.
- Work independently when appropriate.
- Complete tasks and assignments on time and with academic integrity.
- Use class time effectively and stay on task.

- Use technology responsibly and appropriately.