



Algebra

Understanding place values,
order of operations and
multiplying/dividing by
factors of 10



Fractions & Decimals

Visualizing, converting and
performing operations with
fractions



Percent & Proportion

Connecting with decimals;
harnessing the tool of bar
modeling



Rate & Speed

Tackling word problems;
Using tables and bar
models to visualize



Geometry

Measuring and
determining unknown
degrees of rotation in
circle, prisms and angles



Data Analysis

Using mean, median and
mode to make meaning out
of data



Probability

Using ratios to solve problems
involving changing ratios; Relating
ratios to proportions; Understanding
rate as the measure of one quantity
per unit value of another



Negative Numbers

Understanding and applying the
terms “positive number,” and
“negative number; Determining
distance between numbers in a
number line



The Scientific Method

Understanding and applying the use of the metric system; Practicing scientific inquiry by observing, inferring, analysing data and using tools to measure length, volume and mass



Science Fair: *The Engineering Method*

Applying the engineering process to real-world dilemmas; Conducting background research, planning, prototype building, testing and improving



Four Spheres of Earth

Understanding and describing ways that the geosphere, hydrosphere, biosphere & atmosphere interact in nature



Geosphere

Analyzing and interpreting data on Earth's formation and structure; Understanding heat transfer and density concepts; Plate tectonics theory and landforms formation



Hydrosphere

Identifying the uses of water and its distribution on Earth; Understanding the molecular structure of water and its special properties; Identifying the three states of matter in life along with water cycle phases and the concept of buoyancy



Atmosphere

Researching the atmosphere's layers and air composition; Understanding gas properties, air pressure and resistance (communicating vessels)



Biosphere

Categorizing life forms and applying understanding of food chains across various habitats; Identifying the relationships between animals; Understanding the Greenhouse Effect and Earth's vulnerability





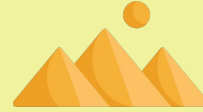
The Rise of Civilization

Learning about early humankind and the development of human societies



Geography

Learning to read maps, identify landforms & navigate the natural environment



Ancient Egypt

Analysing the traditions and innovations of Ancient Egypt and the Middle East



Ancient India

Assessing the impacts of Ancient India's people, culture, and ideas



Ancient China

Assessing the impacts of Ancient China's people, culture, and ideas



Ancient Greece

Assessing the impacts of Ancient Greece's people, culture, and ideas



Ancient Rome

Assessing the impacts of Ancient Rome's people, culture, and ideas

Hevruta Study

- ★ How do we give the text a voice, engage in civil discourse, and dive deep into a text, offering interpretations that are rooted in textual evidence?
- ★ How does learning in partnership deepen our understanding of a text?
- ★ How do we create a balanced partnership between ourselves, our partner, and the text?
- ★ How do we develop the skills of listening and articulating, wondering and focusing, and supporting and challenging, and how do these help to deepen our relationship to a text and to our hevruta?

Integration of Jewish Studies

- ★ What are the connections between the skills necessary to study Jewish and secular texts?
- ★ How do the themes and content of the Jewish and secular texts we study support each other and contradict each other?
- ★ How are our sacred Jewish texts relevant to who we are and who we are becoming?
- ★ What does it mean to walk in the world today as a Jew, and how does our rich textual tradition help us along the way?

Group Work and Community

- ★ How do I take care of myself, take care of others, and take care of the environment?
- ★ How do I work in a group on complex, multi-stage projects?
- ★ How do I do my share in a group writing project while also giving my group members a balance of support and independence?
- ★ How do I assert my own voice while allowing for the voices of others?
- ★ How do I bring my best self to class and contribute to a positive classroom environment?

Shift from Literal to Interpretive

- ★ How can I begin to shift my thinking from literal to figurative, from concrete to interpretive?
- ★ How do I recognize symbolism and metaphor?
- ★ How do I identify literary themes?
- ★ How do I move past summarizing and begin to provide my own analysis, practicing interpretive skills in order to make meaning from text?

Independent Reading

- ★ How do readers pick "just right" books so that reading is a joy and a pleasure?
- ★ How do we increase our reading stamina?
- ★ How can we become active readers?
- ★ How can I use a text to deepen my own experience and to peer through a window to a world outside my own experience?

Reading Strategies and Elements of a Story "All Summer in a Day" and other short texts

- ★ How do readers use annotation to "talk" to a text in order to comprehend and interpret?
- ★ What are the basic elements of a story?
- ★ How do authors use these elements to tell an engaging tale?
- ★ What does it mean to be an upstander and a bystander?
- ★ What does the Jewish tradition say about how we treat our peers?

Shared Novel: *The Giver*

- ★ How do authors use the elements of a story in long-form fiction?
- ★ How do readers make inferences in order to understand and interpret a text?
- ★ What are utopian and dystopian societies?
- ★ How could we create a utopian society?
- ★ How does a society balance the needs of the individual and the needs of the community?

Shared Memoir:

Rolling Warrior, The Incredible, Sometimes Awkward, True Story of a Rebel Girl on Wheels Who Helped Spark a Revolution

- ★ What is a memoir?
- ★ How is reading non-fiction similar to and different than reading fiction?
- ★ What is the ADA?
- ★ What did activists have to do in order to gain equal access?
- ★ How does it feel to live with a disability in this society?

Formal Response to Literature

- ★ How do I find the answers to literal, interpretive, and applied questions in a text?
- ★ How do I write an interpretive response using textual evidence?
- ★ How do I write a formal paragraph using textual evidence?

Creative Writing

- ★ How do we use a master text as a mentor for our own writing?
- ★ How do writers "show not tell"?
- ★ How do writers format and punctuate dialogue?
- ★ How do I balance the use of my own voice with the voices of my characters?

Writing to Inform (The Giver Project)

- ★ How do I write in a clean, concise manner in order to explain my ideas?
- ★ How do I write a mission statement that is compelling, honest, and clear?
- ★ How do I write in a formal yet friendly tone?
- ★ How do I maintain consistent tense and point of view throughout a long piece of writing?
- ★ What are the particular mechanics of a formal report?

Writing for Varied Audiences & Grammar and Mechanics

- ★ How do I write effectively for different audiences and to different purposes?
- ★ Why is it important to become masterful and creative users of the English language? What is the importance of using the English language correctly and thoughtfully?
- ★ How does studying the mechanics of a language help a writer to write in a clean, concise, and organized manner?
- ★ What are all the parts of speech and parts of a sentence?
- ★ How do I fix run-on sentence and use correct punctuation?

Conversational Hebrew שיחה בעברית

Developing acute listening comprehension; using words we have learned in every-day speech; expressing ourselves in Hebrew; Using newly-learned vocabulary in conversation; asking questions, making presentations in Hebrew, conveying a message.

Reading קריאה

Honing letter and sound recognition; reading words and sentences smoothly; Strengthening reading comprehension; Reading and analyzing books, poems & stories across types of genres; Reading with and without vowels, reading for pleasure, reading logs.

Writing כתיבה

Mastering letter formation in both print and script; sounding words out correctly, forming sentences; Writing paragraphs, stories and poetry; Answering questions in writing; typing in Hebrew, including writing emails, texts, letters & blogs

Vocabulary אוצר מילים

Expanding vocabulary to allow for simple conversation; gaining target vocabulary for subjects learned; learning vocabulary through context; finding to *shores* (root) and understanding vocabulary through word families; using the dictionary; Implementing newly learned vocabulary in conversation and writing

Grammar דקדוק

Making habits of correct sentence formation; utilizing male-female, singular-plural & putting elements together in a sentence never heard before; Using *Shorashim* (roots), *binyanim*, word families, parts of speech, *bege* *kefet* letters, and grammar absorbed through conversation & writing

Israeli Culture תרבות ישראלית

Familiarizing with important people in Israeli history including writers, leaders, composers & humanitarians; Learning Israeli games, songs, folk dances, Israeli food, expressions, phrases & slang; Creating ceremonies memorializing holidays

Literature & Poetry ספרות ושירה

Analysing hebrew literature & poetry; learning about the great Hebrew authors, poets and composers; noticing rhymes, foreshadowing, imagery, metaphors, motifs, similes, onomatopoeia & personification; Writing our own stories and poems.



Flag Football

Rules, fundamental skills: passing, catching, running, flag pulling, general structure of the game. Strategic concepts.



Soccer

Basic fundamentals: passing, dribbling, movement without the ball. Strategic attacking & positioning



Basketball

Rules, fundamental skills: passing, dribbling, shooting, rebounding, defensive positioning, structure of the game. Advanced strategic concepts



Olympic Handball

Fundamentals of the game. Similarities to American sports? Differences? Intersport strategic implementation.



Field Games

Application of skills required for common field games such as Capture the Flag.. Familiarization of fundamental tactics.



Team Building

Skills both social & physical required to work effectively as a team through activities designed to increase motivation and promote cooperation



Street Hockey

Basic fundamentals: passing, shooting, puck-handling. Movement without the puck. Strategic positioning



Obstacle Course

Combination of all skills and activities learned throughout the school year. Weaves into Lag B'omer

Music Curriculum: Middle School



Course Overview: Performance, Writing, Composition & Production

The middle school music curriculum goals are to facilitate leadership and creativity, and to empower students to be active musical leaders in the community. In addition, by completing the K-5 music program, this middle school curriculum aims to form a sustainable music education program at school where students express their learning as music leaders in service of the community.

Ensembles & Classes:

Modern Bands	Jewish Bands	African Drum Ensemble	Choir	Music Production	Music Appreciation	Music Theatre	Music Composition & Songwriting	Jewish Songleading
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