

Whole Numbers

Understanding place values,
order of operations, factors
and multiples



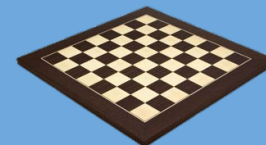
The Four Operations of Whole Numbers

Addition, subtraction,
multiplication and division
of larger numbers



Fractions

Visualizing, adding and
subtracting fractions;
Identifying improper fractions;
Applying division to fractions



Geometry, Area & Perimeter

Measuring angles,
perpendicular and parallel
lines; Finding the area and
perimeter of rectangles.



Decimals

Quantifying, adding,
subtracting, multiplying
and dividing with decimals



Data Analysis

Organizing, graphing and
analyzing data; Making
meaning and discussion of
data sets



Measures & Volume

Mastering the four
operations of
measurement and volume



Readers & Writers' Workshop

Setting ourselves up to read
and write effectively;
Assessing literacy levels and
goals



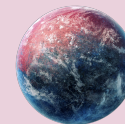
Interpreting Characters & Narrative Writing

Learning how characters reveal
themselves and evolve; Writing
descriptive narratives; "The
Miracle Project";
Mentor Text: *Tiger Rising*



Reading & Writing the World we Live in

Researching and analyzing
current events and nonfiction
texts; Note-taking,
summarizing and writing
informational texts



Creating Worlds

Imagining a different world
through science fiction and
creative writing



Historical Fiction & Creative Writing

Reading Historical Fiction and
writing fictional accounts based in
real historical contexts;
Mentor Text: *Number the Stars*



Book Clubs

Reading a selection of Book
Club novels and discussing
them with peers



Persuasive Writing

Writing persuasive pieces
based on topics and issues
we have learned about
throughout 4th Grade



The Scientific Method

Developing a scientific understanding of the world around us; Formulating hypotheses and comparing them to the results



Engineering Method

Learning to examine, observe, create, build, test, and go back in the stages when needed



Landforms

Learning about different types of landform, how they're made and how they change over time; Learning about weathering, erosion, deposition; Experimenting to model natural phenomena behaviour



Alternative Sources of Energy

Researching and presenting about an alternative source of energy, its pros and cons; Building a model of a device that showcases that source



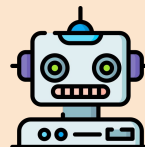
Electricity, Magnetism & Electromagnetism

Learning about electricity and identifying different electrical circuits; Studying magnets and their properties; Making connections between both fields to understand electromagnetism



Coding

Applying all the computer science and *Scratch* knowledge to create stories and games



Robotics

Programming robots; Solving complex robotics challenges



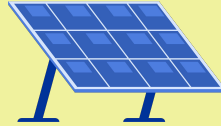
Real Life Engineering

Exploring many different alternatives to solve the same challenge via teamwork & collaboration; Applying those skills toward solve real-world dilemmas; building of a mezuzah



Geography of California & Israel

Learning to read and create maps & apply mapping skills to California and Israel's geographic regions



Alternative Energy

Exploring why and how to reduce our world's dependence on fossil fuels



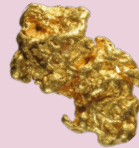
California's First Peoples

Encountering the people who inhabited this region before European conquest and how they live today.



California History: *European Settlement*

Understanding the impact of European conquest of California on its land and its people.



California History: *Gold Rush*

Learning how the Gold Rush shaped California's economy, demographics, environment and culture



California's Government

Examining how State government operates and what we can do at any age to be active citizens.



Israel

Learning about Israel's geography, climate, regions, populations & industries; Becoming a "Tour Guide" for a specific city in Israel



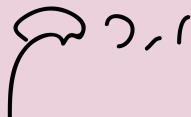
Holidays

Focussing on the Jewish and Israeli holidays; Learning through mediums like poems, art, projects, multimedia & skits



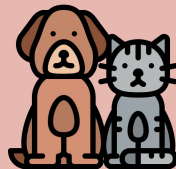
Grammar

Practicing the infinitive, basic verbs, *shorashim*, present tense conjugations & superlatives



Important Personages

Spotlighting Ben Yehuda, Bialik, Rabin & Senesh



Animals & Pets

Familiarizing with authors like Gefen & Asif; Discussing pros & cons of having a pet; Making ID's for dream pets



Tamar & Her Friends

Following a fictional character; learning about her friends, hobbies, interests & opinions; Creating an album along with Tamar



Turning Inward for a New Year

Reflecting and setting intentions for the year ahead;
Learning about the chagim;
Reviewing *hevruta* methods



Miracle Project

Learning about Hanukkah and defining miracles in our lives and in Jewish texts. Researching, writing and presenting a real-life miracle



Shacharit Service: Milestone

Creating and leading our own Arvit prayer service, complete with art and personal reflections



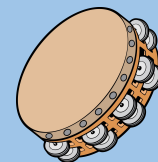
Jews in California History

Meeting some of the colorful Jewish figures who made an impact on California's culture, economy and government.



Pesach

Exploring the texts, big questions & traditions surrounding the Passover holiday



Influential Women

Taking a closer look at important women in Jewish biblical and historical sources



Inner-World Mapping

Creating a map of one's own inner world based on personal characteristics



Landforms & Aerial Views of Israel

Illustrating the topography of the Holy Land



Nevelson Assemblage Project

Crafting a 3D wall sculpture



Milestone Art

Emulating Picasso's art through different mediums



Capturing Kandinsky

Painting abstract and geometric works



Free Creation

Pursuing a project of one's own choice and medium

Music Curriculum: 4th Grade



Course Overview: String Instrument & Acoustic Ensemble

To build on skills taught in previous grades we introduce the first string instrument - the baritone ukulele. Students learn about chord structures and quality (major & minor), chord progressions used in pop songs, and how to strum chords in a variety of rhythmic patterns.

Curriculum Units:

Ukulele	Chord Progression (Theory 103)	Drum Ensemble	Acoustic Band & Performance	Arvit Repertoire	American Pop Repertoire
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Flag Football

Rules, fundamental skills: passing, catching, running, flag pulling, structure of the game



Soccer

Basic fundamentals: passing, dribbling, movement without the ball. Develop simple schools relevant to the sport



Basketball

Rules, fundamental skills: passing, dribbling, shooting, rebounding. Develop simple skills relevant to the sport



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. Drills and scrimmages to familiarize students with hockey in a safe environment.



Obstacle Course

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