

Yeshiva Day School of Las Vegas

Academic Overview



YDLV K.O.A.C.H. - Middos Program

The KOACH program is a middos program that was the brainchild of the collective staff of YDLV. Working collaboratively, the YDLV staff came up with an acronym of a selected set of Middos we as a school community are endeavoring to raise awareness. The KOACH acronym - derived from the Hebrew word meaning “strength” was chosen specifically to personify that true strength is one who is in control of their middos. As Ethics of the Fathers teach us, “Who is strong? One who can conquer their natural desires. One who can maintain equilibrium of their middos - (their character) is someone who has indeed a lot of “KOACH.”

The acronym of KOACH stands for:

K - Kavod - Giving honor and respect to Hashem, to people, to our G-d’s world.

O - Organization - To be organized in one’s thoughts, dress, and actions is a basic requirement for being a successful person no matter where life takes a person.

C - Compassion - Being compassionate and acting with kindness towards every person as the Torah as a guide.

H - Humility - Is being able to see our own personal value while recognizing the greatness of everyone else.

This program is continued to be developed throughout the school, as students learn about these middos and find ways to express these middos in a meaningful manner such as chants, songs, plays, and other student led expressions. KOACH permeates the YDLV culture and helps heighten all of our sensitivities to better KOACH middos. We invite you to become a participant in this program and encourage KOACH Middos in your homes and communities.



A Glimpse into Early Childhood at YDLV

Early Childhood Philosophy

Yeshiva Day Schools philosophy is built on learning Torah, loving Torah and living Torah in a developmentally appropriate and child-centered program. Our staff embraces the view that each child is a unique person with an individual pattern and timing of social, emotional, physical and, intellectual development. We instruct with intention and are trained in developmentally appropriate practices for children. Children are engaged in learning throughout the day, including lunch time, rest time, outside play etc. All learning encounters are presented in an environment that supports children to develop skills necessary to construct their own knowledge, to prepare them for their next school environment, and to encourage them to become lifelong learners.

The focus of teaching is on the young child's natural desire to learn. Experiences are built on each child's own natural abilities and interests. Teachers strive to make learning relevant and exciting by creating an environment where children: make discoveries, communicate their ideas, share their experiences, solve problems and pose questions. We do this through one on one learning, whether in our Mini-Atelier or in our Torah Journals. Within this type of environment, both our age groups are given individual time with teachers to focus on them developmentally. Each child's cognitive, language, social, emotional and physical development is fostered through their interactions with peers, the environment and their teachers.

How do we communicate with parents?

We believe the journey of discovery is just as valuable as the discovery itself. Children are more encouraged to discuss and ask questions than to make a project. Our home/school communication invites you, the family, into this process.

The following are our means of communication:

Portfolios

Weekly Newsletters

"Making Learning Visible" Stories

Daily Planned Possibilities

Torah Journals

"Ask Me About" pages

YDLV Facebook page

Parent/ Teacher Conferences

A Note About Kindergarten...

Kindergarten at YDLV is a full and robust curriculum, which covers the complete standards in both the General Studies level and Torah Studies level. YDLV Kindergarten makes this happen through an integrated approach whereby most of the subjects learned in Kindergarten are intertwined together, primarily focused around the themes and topics of the Jewish calendar. Listed below are the standards and skill sets for both courses.

Kindergarten Torah Studies

Kriah - Hebrew Reading

We begin with reviewing the letters of the Aleph Beis while simultaneously encouraging the children to write the various letters of the Aleph Beis using various modalities and a multi sensory approach. Upon mastery of the sounds of the Aleph Beis, the students learn the vowels and then practice decoding Hebrew words beginning with simple two letter words, and eventually blending more letters and vowels in more complex words.

Davening

The children pick up from where they left off in the early childhood, incorporating more songs into their daily davening routine. Davening is an interactive learning experience as they begin to conceptualize having a conversation with Hashem. By the end of the year, using their Kriah - Reading skills they are reading out of their Siddur, both the Hebrew selected prayers and English songs.

Hebrew Language

The children are exposed to a great deal of Hebrew words and phrases used throughout the school through days discussions on Jewish holidays, Parsha, and other daily routines such as calendar, "things we do," "items we use," and "places we go."

Parsha and Holidays

The children learn various facets of the Parsha of the week and its lessons through stories, projects, and reflective discussions. The children will become familiar with each Chag (Holiday) through songs, crafts, stories and open-ended discussions with the children. During "non-Chagim" seasons, the children learn more about the beauty of Brachos and shabbos through learning and appreciating the world around them. The themes of the Chagim are incorporated into many aspects of the curriculum including the sciences.

Shabbos

We learn all about the exciting aspects of Shabbos, from cleaning up for Shabbos, to getting dressed up for our Shabbos parties, davening, preparing special foods, and learning special braches.. The children each have an opportunity to be a Shabbos Abba/Imma and "get the feel" of what it is like to run their very own Shabbos table.

Appreciating the Wonders of G-d's World

The Torah and its lessons do not exist in a vacuum, and as such, the children are given the opportunity to see Hashem in all of creation. Thus, science time is not merely learning foundational concepts for future reference as they grow in their academics, but is an opportunity

to see G-d's hand in all aspects of the world. The teachers work hand in hand to synthesize basic scientific concepts through projects and discussions that allow the children to explore and seek more information.

Middos Tovos

We strongly believe in the social- emotional growth of a child is foundational for all future success. As such, at the YDLV Kindergarten Middos Tovos - lessons of good character traits are integrated into the daily lessons and students are guided to put these lessons into action.

Kindergarten General Studies

Science

Kindergarteners focus on three core topics including forces and interactions: Push and Pull, Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment, and Weather and Climate. These performance expectations in kindergarten help students formulate answers to questions such as: "What happens if you push or pull an object harder? Where do animals live and why do they live there? What is the weather like today and how is it different from yesterday?"

Students in grades K-2 will explore engineering design through the following standards:

- Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.
- Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Social Studies

Our Kindergarten social studies program revolves around three core ideas: family, school, and home. The students use these themes to explore in detail how people live, work, and play in these settings. Students will explore similarities and differences in families and traditions that they share. Students will discuss and explore concepts of citizenship and appropriate decorum to set the tone for a successful school year. The goal of our social studies program is to explore these core concepts through an integrated approach of learning about the Chagim (Jewish holidays) and the world around us.

Math

At Yeshiva Day School we strive to place a large emphasis on computation skills and application in math. We've adapted the Singapore Math in Focus program as our primary elementary resource. Our Kindergartens will focus on the following topics:

- Numbers to 10: comparing, more than, fewer than, composing and decomposing numbers, counting on

- Ordering by size, length, weight
- Explore size and position
- Numbers to 20: sequence, order, and range
- Solid and flat shapes- make patterns, explore attributes
- Numbers to 100- Count by 2s, 5s, and 10s, count orally to 100
- Comparing sets- more, fewer, combining two sets of numbers, find the total
- Ordinal numbers- Sequence events, physical positioning, order of preferences
- Calendar Patterns- Days of week and months of the Year
- Understanding the addition and subtraction as counting on and back
- Make repeating patterns
- Investigate number facts to 10
- Explore height and length of objects using nonstandard units
- Classify and sort objects
- Solve addition and subtraction stories within 10
- Explore measurement- compare weights using a balance scale, compare capacity, compare events in time
- Money- understand coin values, understand the concept of making change

Language Arts

Our Elementary Language Arts program is developed in a way to provide students with the core foundations they need to become fluent readers, critical thinkers, avid writers, researchers, and public speakers. We believe creating a literacy rich environment provides our students with the tools they need to become successful members of society. Below are the grade level appropriate skills and concepts they will work on this year.

Genres:

- Informational text, Expository, Fiction, Poetry, Nonfiction, Fables, Fantasy

Phonemic Awareness:

- Sequence of sounds, Word/sentence segmentation, Recognize rhyme, Syllable blending, onset/rime blending, Phoneme isolation, Phoneme Identity, Phoneme, Categorization, Phoneme Blending, Phoneme addition, Phoneme substitution

Phonics:

- Letter recognition, Initial consonant sounds, Final consonant sounds, Short vowels (CVC), Medial vowels, CVC word families

Concepts:

- Names, Opposites, Position words, Size words, Same and different, Color words, Number words, Shape words, Sound words, Fruits and vegetables, Season words, Sequence words, Words that compare

Comprehension Strategies and skills

- Listening comprehension, Text structure, Story structure, Make predictions/ inferences, Use illustrations, Setting, Identify character, Compare and contrast, Ask questions about the text, Classify and Categorize, Identify Character and plot, Sequence Events, summarize, Identify Main Idea and Details, Retell a story, Distinguish between Fantasy and Reality, Identify cause and effect

Fluency:

- Alphabet Recognition, Word Automaticity- word families, Sight words

Grammar:

- Naming words (nouns, plural nouns), Action words (verbs), Sentences, Describing Words (adjectives), Pronouns, Question words, Understand the meaning of common inflections (ed, un, re, etc)

Writing:

- Print uppercase and lowercase letters, Spell words phonetically (don't correct spelling), Sentences, State an opinion, Informative/ explanatory: State and name what you are writing about and support it with information, Tell about an event, sequence events

First Grade Torah Studies

קריאה - Hebrew Reading:

We will be reviewing all letters and vowel sounds learning how to blend letters and vowels, and read accurately and fluently. We will learn the rules of the Shva, which are complex, but taught in a fun memorable manner. By year's end students will be fluent in their Hebrew reading.

עברית - Hebrew Language

We will be learning Hebrew nouns and verbs in units by making flash cards of all of our words. The students will then use the cards to make sentences with our words. We will be learning how to recognize and differentiate between masculine and feminine words and how to conjugate from singular to plural.

כתיבה - Hebrew Writing

We will be using the כתיב נכון workbooks. Students will identify, and then learn to write the Hebrew letters in their script form.

תפילה - Prayer

We begin our day with Davening (prayer) in the Shul and will be slowly adding to our siddurim as the year progresses. We will be learning to sing the davening, and discuss the meaning of the Tefillos. At the end of the year we will celebrate our accomplishments and we will be receiving Siddurim!

פרשה - Weekly Torah Portion

We will be discussing many points of the Weekly Torah Portion, using Parsha sheets, and filling in explanations. The students will be taking home weekly Parsha Booklets, with discussion questions to share with their respective families. There will be several Parsha projects to bring the Parsha alive. The students will take away knowledge of the story and lessons (mitzvos) we learn.

חגים - Jewish Holidays

We will learn about the Jewish Holidays, their backgrounds, practices, customs, and Halachs as they occur throughout the year. We will be making special projects for each Holiday to help concretize the messages and lessons we learn about each Chag.

Introduction to Chumash

In order to prepare the students for second grade, we introduce the study of Chumash and go through the Parsha of Bereishis and Noach in an in depth manner. Giving the students the lessons of Emunah (faith in Hashem), Focus is placed on the storyline leading up to Avraham Avinu and the journey he takes to become the forbearer of the Chosen Nation!

First Grade General Studies

Science

Our first graders will focus on three core ideas in science including Waves: Light and Sound Waves, Structure, Function, and Information Processing and Patterns and Cycles of Space Systems. The performance expectations in first grade help students formulate answers to questions such as: “What happens when materials vibrate? What happens when there is no light? What are some ways plants and animals meet their needs so that they can survive and grow? How are parents and their children similar and different? What objects are in the sky and how do they seem to move?”

Students in grades K-2 will explore engineering design through the following standards:

- Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.
- Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Social Studies

Our First grade social studies program revolves around the core concept of community. Over the course of the year students will research how people live, work, and play in communities around the world. They will explore urban, suburban, towns, and rural communities. Students will discuss the concept of how communities help us on a daily basis and the different roles people play in the community around us in Las Vegas. Students will research different community helpers and learn about how each of their roles plays an essential part in helping the community grow and develop. They will develop an understanding of jobs, volunteers, needs, and wants through their research and exploration. Students will develop a greater understanding of how each citizen has an important role in taking care of the Earth and what they can do to make it a better place to live.

Math

At Yeshiva Day School we strive to place a large emphasis on computation skills and application in math. We've adapted the Singapore Math in Focus program as our primary elementary resource. Our first graders will focus on the following topics:

- Numbers to 120- compare numbers, make number patterns, count and skip count, understand place value
- Fluently add and subtract within 20
- Add and subtract with number stories within 120
- Recognize shapes and patterns
- Explore ordinal numbers and position
- Explore length, weight, and height with nonstandard units
- Read and create picture and bar graphs
- Use mental math strategies to solve addition and subtraction problems

- Read a calendar
- Tell time to the hour and half hour
- Understand the concepts of multiplication and division
- Identify values of coins, add and subtract with money, and make change

Language Arts

Our Elementary Language Arts program is developed in a way to provide students with the core foundations they need to become fluent readers, critical thinkers, avid writers, researchers, and public speakers. We believe creating a literacy rich environment provides our students with the tools they need to become successful members of society. Below are the grade level appropriate skills and concepts they will work on this year.

Genres:

- Informational text, Fiction, Expository, Poetry, Folktale, Drama, Biography

Phonemic Awareness:

- Phoneme isolation, blending, segmentation, categorization, substitution, deletion, addition
- Blend onset/rime, syllable segmentation, addition and deletion, rhyme, alliteration
- Contrast vowel sounds, medial vowel sounds, initial and final sounds

Phonics and Spelling:

- Initial and final consonant sounds, Short vowels (CVC word families), Final blends, Consonant two and three letter blends (l blends, r blends, s blends), Consonant digraphs (th, sh, wh, ng, tch, ch), Long vowels (CVCe), Long Vowels (CVVC), Long i (spelled Y), long e (spelled y), R controlled words, Diphthongs (ou, ow, oi, oy), Vowel Digraphs, Words with Prefixes

Comprehension Strategies and Skills:

- Analyze story structure, Sequence events of a story, Identify character and setting, Summarize, Retell a story, Identify plot, Author's Purpose, Identify main idea and details, Beginning, Middle, and End, Make predictions, Draw conclusions from the text, Compare and contrast, Ask/generate questions about the text, Cause and effect, Fantasy vs. Reality, Make inferences, Classify and categorize

Fluency:

- Sound/Spellings, Appropriate phrasing, Intonation, Expression, Sight words, Oral reading Fluency 50-60 words per minute

Writing:

- Sentences, Personal narrative, Descriptive sentences, Research report, Story, Persuasive Writing, How to article, Letter, Poetry

Grammar:

- Sentences, Word order, Statements, Questions and exclamations, Nouns, Plural nouns, Irregular plural nouns, Proper nouns, Days, months, and holidays, Verbs, Present tense verbs, Past and future tense verbs, Is and Are, Contractions with not, Was and were, Has and have, Go and Do, See and saw, Adverbs (that tell when, that tell how), Adjectives, Adjectives that compare, Synonyms and antonyms, Color and number words, Prepositions/Prepositional phrases, Subjects and predicates, Pronouns, Using I and Me

Vocabulary:

- Dictionary Skills, Understand that words have multiple meanings, Compound words, Context clues, Inflectional endings/ word parts (ed, ing)

Text Features:

- Photographs, Labels, Book Parts, List, Rhyme, Diagram, Directions, Signs and symbols, Charts, Using Newspapers, Floor Plans/Maps, Sensory language/ Alliteration, Captions, Identify Repetition and Rhythm, Bold Print, Information Literacy

Second Grade Torah Studies

Chumash Studies

The second grade is an amazing experience in Torah studies! We will be cultivating the many fundamental skills to read, translate, and analyze our national treasure- the Holy Torah! We will be mastering prefixes and suffixes, and get a solid grounding in the basic vocabulary necessary for independent Torah study. Our first semester will be building these skills, and subsequently we will complete the entire Parsha of Lech Lecha, and most of Vayera! Students will begin their journey in the study of Torah celebrating with a special presentation of receiving their first Chumash.

Halacha

In Halacha, we will be covering all the Chagim (Holidays), students will learn Laws of Food and Brachos, Honoring Parents, Mezuzah, and Shabbos. You can expect a deep level of understanding of these topics from our budding scholars over the course of the year!

Konei Olam

In addition to the school-wide Koach middos program, we have our own character development curriculum- Konei Olam! This will take us on a journey around the world as we learn about many diverse Jewish communities, with a monthly middah that is examined, and developed. You can look forward to the exciting weekly projects and activities that literally bring the lessons home!

Teffila Program

This year we will be upgrading our Tefillah program incorporating an innovative curriculum focused on Emunah- the basics of our relationship with Hashem through prayer, understanding the P.A.R.T.S and structure of each section of davening, and spiritual mindfulness of the feelings we try to experience with each component of the siddur.

Weekly Parshah

The students are introduced to various concepts in each parsha with pictures and stories in the Parsha. The pictures and parsha activities are designed to generate class discussions that are teacher directed to bring out applicable lessons on a second grade level.

Kriah - Hebrew Reading

The students continue to work on their fluency and accuracy in their Hebrew reading with a focus on it during both class time in the Kriah center, and as well as the Read For Speed daily dose of two minute Kriah practice at home.

Second Grade General Studies

Science

The second graders will focus on three main core topics in Science this year including Structure and Properties of Matter, Interdependent Relationships in Ecosystems, and Earth's Systems: Processes that Shape the Earth. The performance expectations in second grade help students formulate answers to questions such as: "How does land change and what are some things that cause it to change? What are the different kinds of land and bodies of water? How are materials similar and different from one another, and how do the properties of the materials relate to their use? What do plants need to grow? How many types of living things live in a place?"

Students in grades K-2 will explore engineering design through the following standards:

- Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.
- Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Social Studies

Our Second grade social studies program is focused around the following topics: America, famous people, famous landmarks, important symbols and currency. Students will begin their journey exploring American history and an introduction to geography. Students will focus on the Early years in America and delve into the major events that shape our history as country. In addition, students will spend part of the year researching and exploring more about their home state of Nevada, exploring in depth its landmarks, history, geography, and all the amazing things it has to offer.

Math

At Yeshiva Day School we strive to place a large emphasis on computation skills and application in math. We've adapted the Singapore Math in Focus program as our primary elementary resource. Our second graders will focus on the following topics:

- Numbers to 1,000- place value, addition and subtraction facts, word problems
- Using bar modeling
- Understanding multiplication and division concepts
- Solving multiplication tables 2, 3, 4, 5, and 10s
- Using metric and customary measurement to explore length
- Find the mass and volume of objects
- Money
- Fractions
- Time- minute hand, elapsed time

- Graphs and line plots
- Lines and surfaces
- Shapes and patterns- plane and solid shapes

Language Arts

Our Elementary Language Arts program is developed in a way to provide students with the core foundations they need to become fluent readers, critical thinkers, avid writers, researchers, and public speakers. We believe creating a literacy rich environment provides our students with the tools they need to become successful members of society. Below are the grade level appropriate skills and concepts they will work on this year.

Genres:

- Realistic Fiction, Expository, Drama, Literary Nonfiction, Informational Text, Fairy Tale, Folk Tale, Fantasy, Biography, Fable, Myth, Legend

Phonics and Spelling:

- Short vowels, consonants, long vowels (VCe), 2 and 3 letter consonant blends, inflected endings, consonant digraphs, r-controlled vowels, contractions, plurals, vowel patterns compound words, comparative endings, diphthongs, syllable patterns, suffixes, prefixes, consonant patterns, abbreviations

Comprehension Strategies and skills

- Character and setting, Main idea and details, Facts and details, Predict and set purpose, Cause and effect, Summarize, Author's purpose, Make inferences, Gather background information, Draw conclusions, Fact and opinion, Plot and theme, Compare and contrast, Sequence

Fluency:

- Read grade level appropriate sight words, students should read close to 90 words per minute by the end of second grade, read for accuracy, use expression and intonation, use appropriate paraphrasing

Grammar:

- Sentences, subjects, predicates, declarative and interrogative sentences, imperative and exclamatory sentences, nouns, proper nouns, singular and plural nouns, possessive nouns, verbs, adjectives, adverbs, pronouns, contractions, capital letters, quotation marks, prepositions and prepositional phrases, commas,

Writing:

- Personal narrative, expository, report, play/scene, biography, fairy/folk tale, letter writing, poetry, journal entry, persuasive, compare and contrast

Vocabulary:

- Alphabetize, use position words, synonyms, dictionary skills, time/sequence words, homophones, antonyms, prefixes, multiple meaning words, suffixes

Skill sets developed:

- Students will develop research skills through online and text study.
- Speaking and listening skills will be developed through presentation and sharing.

Third Grade Torah Studies

Chumash

The third grade will continue building upon our strong Chumash skills from last year with greater vocabulary and a fuller grasp on the basic three Hebrew tenses. They are on track to complete the Parshiyos of Vayera, Chayei Sarah, Toldos, and Vayetzei, and making serious headway into Vayishlach! I think you will be amazed at the high level of critical thinking we will be employing in our Chumash studies!

Halacha

In Halacha, we will be further developing our understanding of each Chagim (Holiday) students will study the Laws of Washing Hands, Shabbos, Challah, After-Blessings on Foods, and more. Our third graders have been known to delve very deeply in their Halacha discussions as well!

Middos Program

In addition to our school-wide Koach middos program, we will be studying the book, Out of the Woods. It is an exciting tale about a town that may lose its precious woods without the intervention of some amazing kids. The focus of the story is the Laws of Onaas Dvarim (proper speech). We will learn the Torah approach for using our gift of words for good, and break bad and harmful speaking habits!

Teffila Program

We have upgraded our Tefillah program incorporating an innovative curriculum focused on Emunah- the basics of our relationship with Hashem through prayer, understanding the P.A.R.T.S and structure of each section of davening, and spiritual mindfulness of the feelings we try to experience with each component of the siddur.

Weekly Parshah

The students are introduced to various concepts in each parsha with Parsha sheets that contain main ideas of the Parsha, applicable lessons, and related stories. The pictures and parsha activities are designed to generate class discussions that are teacher directed to bring out applicable lessons on a second grade level.

Kriah - Hebrew Reading

The students continue to work on their fluency and accuracy in their Hebrew reading with a focus on it during both class time in the Kriah center, and as well as the Read For Speed daily dose of two minute Kriah practice at home.

Third Grade General Studies

Science

The third graders focus on four core science topics including Forces and Interactions, Interdependent Relationships in Ecosystems, Inheritance and Variation of Traits: Life Cycles and Traits, and Weather and Climate. The performance expectations in third grade help students formulate answers to questions such as: “What is typical weather in different parts of the world and during different times of the year? How can the impact of weather-related hazards be reduced? How do organisms vary in their traits? How are plants, animals, and environments of the past similar or different from current plants, animals, and environments? What happens to organisms when their environment changes? How do equal and unequal forces on an object affect the object? How can magnets be used?”

Students in grades 3-4 will explore engineering design through the following standards:

- Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
- Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

Social Studies

Our Third grade social studies program is focused around the following topics: World Cultures, Famous People, and Geography. The goal of our third grade program is to bridge the gap between our social studies and language arts curriculum and offer an integrated approach. Students will explore literature and informational text from similar countries around the world and be able to make real world connections through their research and exploration. As they explore different cultures around the world, students will delve deeper into where these countries are in the world and explore a variety of map skills and concepts. In addition, our third grade students develop their own business plans and models that they share at our annual business fair each year. This is a unique opportunity for our students to explore the design process and research how businesses are successful, conduct a needs assessment of what products people want, and try to “sell” their products to the community in creative ways.

Math

At Yeshiva Day School we strive to place a large emphasis on computation skills and application in math. We’ve adapted the Singapore Math in Focus program as our primary elementary resource. Our third graders will focus on the following topics:

- Add, subtract and identify numbers to the 10,000 place
- Use mental math and estimation strategies to solve problems
- Bar modeling for addition, subtraction, multiplication and division problems
- Multiplication tables 6,7,8,9
- Understand and apply multiplication strategies
- Money

- Customary and metric measurements of Length, mass, and volume
- Read and create bar graphs and line plots
- Fractions
- Time and Temperature
- Angles and Lines
- Two dimensional shapes
- Calculate area and perimeter

Language Arts

Genres:

- Narrative poem, Fable, Tall Tale, Expository Text, Realistic Fiction, Fantasy, Drama, Biography, Folk Tale, Historical Fiction, Photo Essay, Legend

Phonics and Spelling:

- Syllables, plurals, base words and endings, vowel digraphs, vowel diphthongs, compounds words, triple blends, consonant digraphs, contractions, prefixes, suffixes, consonant patterns, r-controlled vowels, homophones, vowel patterns

Comprehension Strategies and skills

- Literary elements, developing background knowledge, summarize, sequence, compare and contrast, author's purpose, story structure, main ideas and details, monitor and clarify, visualize, draw conclusions, questioning, predict and set purpose, inferring, graphic sources, cause and effect, fact and opinion, monitor and clarify

Fluency:

- Read for accuracy, read with appropriate expression, read with appropriate phrasing and punctuation cues, students should read approximately 115 words per minute by the end of third grade

Grammar:

- Sentences, subjects and predicates, declarative and interrogative sentences, compound sentences, common and proper nouns, singular and plural nouns, possessive nouns, action and linking verbs, main and helping verbs, subject-verb agreement, past, present and future tense, irregular verbs, pronouns, contractions, prepositions, adjectives and articles, adverbs, conjunctions, capital letters, abbreviations, commas, quotations and parentheses

Writing:

- Poetry, fable/fairy tale, letter writing, descriptive, realistic fiction, how to report, play, news article, compare and contrast composition, cause and effect, persuasive, imaginative story, biography, summary, book review

Vocabulary:

- Homonyms, compound words, multiple meaning words, prefixes and suffixes, synonyms, antonyms, dictionary skills

Skill sets developed:

- Through literature and research students will understand concepts of information literacy, online research, typing and digital formatting.
- Speaking and listening skills will be developed through presentation and sharing.

Fourth Grade Torah Studies

Chumash

In Chumash, we will be completing Parshiyos Vayishlach through Vayechi. We will be focusing on both the narrative as well as the dikduk skills. The students will discuss many life lessons that we can learn from our Avos, with a focus on seeing the positive in every situation. The class will be using the Lehavin Ulihaskil Chumash curriculum.

Fourth Grade is the capstone year for the Lehavin Curriculum, and as such, this year is highly focused on Chumash and mastery of the Chumash skills. Upon successful completion of this year, the students will be able to tackle almost any Pasuk in the Torah and be able to translate the Pasuk. Additional focus will be placed on reading and understanding Rashi's commentary.

Navi

In Navi, the students will be learning and completing Sefer Yehoshua. The class will see how our nation transitioned to the leadership of Yehoshua. We will discover the amazing conquest of Eretz Yisroel and the miracles that Hashem performed for Klal Yisroel.

Mishna

In Mishna, the boys will be learning and completing Masechta (tractate) Brachos. They will start to sharpen their critical thinking and analytical skills as they "break down" each Mishna and its cases. Additionally, the boys will become more aware of the proper blessing to recite in many situations.

Pirkei Avos

The girls will start learning Pirkei Avos this year! Beginning with a true understanding of our mesorah and what Pirkei Avos is, we will be continuing on into Perek Aleph. A variety of projects will engage students while imbuing them with a love of Torah and a longing for their own personal spiritual growth, as we plant the seeds for them to become life-long Torah learners.

Sefer Hachinuch

The girls will also be learning the Sefer Hachinuch written in the 13th century, which analyzes and gives deeper meaning to the Mitzvos. The girls will cover the first 20 Mitzvos of the Torah, understanding relevant laws, application and meaning behind the Mitzvos.

Yediyos Klaliyos

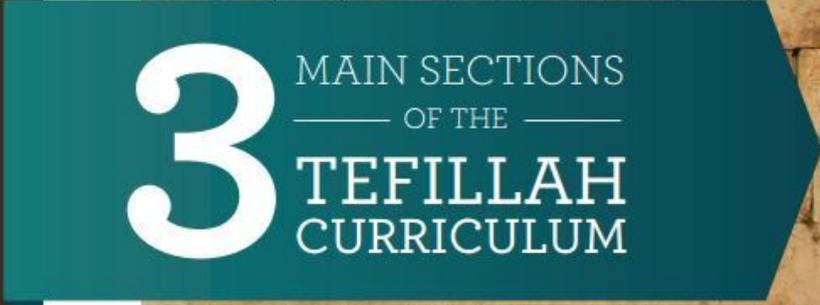
In Yediyos Klaliyos (fundamental Jewish concepts), the class will be completing Chayeinu number three. The students will gain much general Jewish knowledge. Additionally, they will memorize many important Brachos and Tefillos.

Parsha

In Parsha, the students will learn several key Mitzvos and Torah concepts every week. This will also include a Dvar Torah to be shared at home along with a story.

Kriyah

We continue to focus on our Hebrew reading fluency and accuracy using our Read For Speed sheets, which are reviewed weekly in class.



3 MAIN SECTIONS OF THE TEFILLAH CURRICULUM

- 1 Emunah- FAITH-** Who am I talking to? Recognize that Hashem is present everywhere and is running everything around us. This helps establish the relationship upon which daily appointments with Hashem are based. A relationship cannot be created during prayer. Rather, prayer is an expression and a refocusing on the relationship.

Once I know that Hashem is here, on my side and wants me to succeed, I can talk to Him and tell Him personal things about myself. I have to see and experience Him in my life to be able to feel comfortable and anticipate talking to Him.

- 2 PARTS-** What am I supposed to be doing and why? What does this have to do with me? It is not someone's prayer. It is my prayer.

Praising Hashem

Asking Hashem

Recognizing Hashem

Thanking Hashem

Subjecting yourself to Hashem

- 3 Spiritual Mindfulness-** How am I supposed to stay focused? Engaging, fun worksheets, videos, stories and words of inspiration will assure that the information is clear and is being given over accurately. This will lay the foundation for a lifetime of meaningful davening.

GOAL:

To have children feel lucky that they have the ability to talk to Hashem.

Fourth Grade General Studies

Science

The fourth graders will focus on four main concepts including Energy, Waves and Information, Structure, Function, and Information, and Earth's Systems, Processes that Shape Earth. The performance expectations in fourth grade help students formulate answers to questions such as: "What are waves and what are some things they can do? How can water, ice, wind and vegetation change the land? What patterns of Earth's features can be determined with the use of maps? How do internal and external structures support the survival, growth, behavior, and reproduction of plants and animals? What is energy and how is it related to motion? How is energy transferred? How can energy be used to solve a problem?"

Students in grades 3-4 will be explore engineering design through the following standards:

- Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
- Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

Social Studies

Our Fourth grade social studies program is focused around the five major regions of the United States of America: Northeast, Southeast, Midwest, Southwest, West. Students will explore in depth the geography, historical events, famous people, important landmarks, and current tourist attractions from each of these regions. Through their research they will put together a portfolio of each state of the USA and identify important facts and symbols. Their research will culminate into a State Fair showcasing information from each of the regions.

Math

At Yeshiva Day School we strive to place a large emphasis on computation skills and application in math. We've adapted the Singapore Math in Focus program as our primary elementary resource. Our fourth graders will focus on the following topics:

- Whole numbers to 10,000 place
- Estimation and number theories
- Whole number multiplication and division
- Read and create tables and line graphs
- Data and probability
- Fractions and mixed numbers
- Decimals - hundredths place, add and subtract
- Angles
- Perpendicular and parallel lines
- Squares and rectangles
- Conversion of measurement
- Area and perimeter

- Symmetry
- Tessellations

Language Arts

Our fourth graders will be piloting a new curriculum resource, in the classroom. Using the core ideas and strategies from Heinemann Reader's Workshop the students will delve into complex texts. The students will study the complexity of characters and themes, research teams to investigate topics about extreme weather, explore history while developing their skills in cross-text synthesis, close reading, and evaluating multiple points of view, and join historical fiction clubs. The Reader's Workshop will be supplemented with additional texts to increase student exposure to literacy and promote reading outside the classroom.

Students will be exposed to a variety of text materials and literature throughout the year including:

Sarah, Plain and Tall, Finding the Green Stone, Miss Rumphius Because of Winn Dixie, The Tiger Rising, Number the Stars, A Long Walk to the Water, Diamond Island, A variety of Revolutionary War Books, A variety of weather resources, Inside out and Back Again

Book Reports- Students will have be required to complete two independent book reports throughout each semester. The book reports promote independent reading at the student's reading level, summarization skills, creativity and public speaking skills.

Vocabulary/ Spelling- Our Wordly Wise program provides students with direct academic vocabulary instruction to develop the critical link between vocabulary and reading *comprehension*. Students will be introduced weekly to new set of words to investigate, understand, and incorporate into their written and oral vocabulary. Students will be assessed on their correct spelling of the words as well.

Writing- Fourth graders will be writing on a regular basis. Writing is the core foundation of our Language arts program. Students will have exposure to write in different formats and styles throughout the year including: story, compare and contrast, persuasive positions and letters, descriptive, informative, research report, essays, poetry, and journaling.

Grammar- Our mini grammar lessons will be pushed into our daily writing and reading activities. Students will focus on structuring a sentence, nouns, verbs, adjectives, appropriate capitalization and punctuation, pronouns and adverbs.

Speaking and Listening- this is an essential component of our Language Arts curriculum. The dynamic and primary goal of the class is to encourage students to engaging in discussions about the text, pose questions, paraphrase text, identify reasons and provide evidence.

5th-6th Grade Girls Torah Studies

Chumash

In Chumash, we will be learning Parshiyos Shemos through Bo for 5th Grade girls and 6th Grade girls will be covering Parshiyos B'shalach through the rest of the Sefer Shmos both inside and as survey. We will be learning most of the Rashi's as well as other select meforshim. The students will gain an in-depth understanding of these crucial parshiyos of slavery, redemption; focusing on the birth of Klal Yisroel as the Nation of Hashem. The class will continue to work on their dikduk skills with the help of the LeHAVIN review books in fifth grade and in sixth with the usage of the Lashon Hatorah books.

In order to support the girls growth in skills the girls will be quizzed weekly on a growing list of root words that will be pulled from the Chumash they learn.

Halacha

In Halacha, the girls will be learning Hilchos Shabbos, with a major focus on practical halacha. We will be utilizing the classic sefer Kitzur Hilchos Shabbos as a guide to deepen our knowledge of Halacha. During the chagim season, we will be covering the laws of each Yom Tov.

Navi

In Navi, our class will be learning Sefer Shmuel Aleph. We will focus on the early days of Dovid Hamelech as well as some of the conflict that existed at that time. The fifth grade girls will also complete Sefer Shoftim which will give them the entire picture of our nation's history as well as the practical lessons to be learned from our mistakes as a people.

Parsha

In Parsha, we will be learning several highlights of the Parsha in greater detail.. There will be a Dvar Torah to share at your Shabbos table as well as a story.

Jewish History

In Jewish history, the students will be using the book, Sand and Stars. The students will gain an appreciation of our nation's treasured history starting from the time of the destruction of the Second Temple through the Middle Ages.

Kriyah

The students continue to focus on Hebrew reading fluency and accuracy as they are assigned Tehillim on a rotational basis to be said at Tefilla.

5th Grade Boys Torah Studies

הלכה - Jewish Law

We will be taking a 'hands on approach' in הלכה, as we learn various practical laws of the Holidays as they come up throughout the year, by experimenting, and acting out scenarios.

משנה - Mishna

We will be studying tractate בבא מציעא and learning how to dissect a mishna, and each 'Case', 'Law', and 'Reason'. We will also be charting each case, and illustrating the Mishnayos,

חומש - Chumash

We will begin with ספר שמות and heavily focused on Rashi's commentary trying to understand what prompted Rashi to make his comments. We will be learning many vocabulary words, and will be constantly reinforcing the vocabulary. We will continue to highlight the Pesukim, breaking down each word into its various parts. Chumash will be an interactive class with lots of discussion and practical applications.

נביא - Navi

We will be learning ספר שופטים - the Book of Judges, learning the story line, and the basic commentaries to help us properly understand the context of the story and its messages. We will be pulling out and discussing the life lessons and the applications from the timeless words of the Navi.

ידיעות כלליות - General Knowledge

We will be using Chayeinu workbook as a guide to learn fundamental every-day Torah concepts the boys will use throughout their growth in learning. We will be using homework hotline, collaborative work on special assignments, reviewing material in class and in "Chavrusa" style format, and various forms of assessments to maintain and monitor the boys growth in their Torah learning.

Kriyah

The students continue to focus on Hebrew reading fluency and accuracy as they are assigned Tehillim on a rotational basis to be said at Tefilla.

6th Grade Boys Torah Studies

Gemmara

The boys will be learning Gemarra for the first time, and will be introduced to the concept and history of the Torah SheBaal Peh - the Oral Tradition, which constitutes the present day Talmud. The students are introduced to fundamental Talmudic concepts and begin by learning the Perek of Eilu Metzios, which deals mostly with finding and returning of lost items. The students learn the basic mechanics of Talmudical questions, answers, disproofs, and therefore in the context of the Gemarra they are learning. The students are challenged to think beyond the "box", and learn to argue effectively, logically, and critically analyze different positions. The students will also be learning to understand Rashi, and even dabble into the complex commentary of Tosafos.

Chumash

We will be covering Parshiyos B'shalach through the rest of the Sefer Shmos both inside and as survey. We will be learning most of the Rashi's as well as other select meforshim. The students will gain an in-depth understanding of these crucial parshiyos of slavery, redemption and focusing on the birth of Klal Yisroel as the Nation of Hashem. The class will continue to work on their dikduk skills with the usage of the Lashon Hatorah books.

Sefer Hachinuch Mishpatim

The boys will be doing a careful analysis of the various Mitzvos found in Parshas Mishpatim. The mitzvos found throughout this Parsha are fundamental to Talmud study and will give the students a survey of these Mitzvos.

Navi: Shmuel Alef

In Navi, our class will be learning Sefer Shmuel Aleph. We will focus on the early days of Dovid Hamelech as well as some of the conflict that existed at that time. We will be extrapolating various major Torah perspectives from the Navi and apply them to our modern day lives.

Halacha: Laws of Tzitzis

The students will be studying the laws of wearing and making Tzitzis. This in depth analysis will culminate with the ultimate hands-on experience; making their very own pair of Tzitzis!!

Jewish History: Focus on the Mesorah

The students will learn how the Oral Tradition has not only survived, but flourished throughout the generations; passed on from father to son, Rabbi to Talmid.

Weekly Parsha

The boys will be gaining a cursory overview of the Parsha and then have the opportunity to focus on one or two areas of the Parsha for a more in depth analysis with the intent of deriving specific lessons to be applied on their level.

7th Grade Girls Torah Studies

Goals for the upcoming year:

- To help each student feel the excitement and sweetness of learning Torah.
- To sharpen the girls' language and textual skills and boost their confidence in their abilities.
- To understand how the Torah impacts every aspect of our lives as Jewish women today.
- To inspire growth in self-awareness, derech erez, middos, and sensitivity to others.
- To enhance the students reasoning and life skills through probing, introspecting, comparing and contrasting opinions and applying concepts to new material and to life.

חומש - Chumash

We will begin from parshiyos Beshalach and Yisro, then explore the sin of the Golden Calf in Ki Sisa, and finally בעז"ה, start the parshiyos in חומש במדבר.

*שרשים - Shorashim

We will pre-learn new shorashim from pesukim and Rashi's –adding approximately 10 each week. Flashcards and quizlet.com are great tools for review for the cumulative weekly quizzes.

* דקדוק - Dikduk

Dikduk is the study of mechanics of the Hebrew language learned in context of Chumash. We will be reinforcing by separate review in Lashon HaTorah Workbook.

נביא - Navi

וב' שמואל – Shmuel Alef and Beis

We will explore the incredible leadership and strength of character of David Hamelech through his trials and personal interactions and try to apply the lessons to our own lives.

Halacha

- חגים - Chagim

As each Yom Tov approaches we will prepare by learning the halachos and experiencing the energy and actualizing the potential that each Chag brings.

- שבת - Shabbos

We will also begin to learn the Halachos of Shabbos as we gain a deeper understanding and tap into the Kedusha it has in store for us.

פרשה - Parsha

This will involve looking inside the Chumash to gain an overview of the Parsha while enhancing the experience with Divrei Torah which are based on the pesukim and meforshim prepared. The girls will also be preparing select Pesukim and Rashi's from the Parsha of the week.

8th- 10th Girls Grade Torah Studies

Chumash

Starting with Parshas Pinchas in Sefer Devarim (Numbers) we will go through the Chumash at a pace which allows for the advancement of reading, translation, and Hebrew grammar skills. There will be a special focus on learning important and inspiring foundational concepts in Judaism through the learning that we do in Chumash this year.

Navi

We will be starting Melachim Beis this year. There are many life lessons and Jewish laws that one learns when studying Navi which will help us to make this class interesting, relevant, and meaningful for each student.

Sefer Hachinuch

We will continue from mitzvah 41 and cover many mitzvos throughout the school year. This sefer (book) is organized in a way which list the 613 mitzvos in the Torah as they are found in each Parsha. For each mitzvah, we discuss the name of the mitzvah, where we find it in the Torah (which passuk), some of the laws of the mitzvah, the applicability to our lives, and often times include some inspirational points, stories, and anecdotes about the mitzvah.

Halacha

As each holiday comes up throughout the course of the yearly cycle, the laws and customs will be taught in a way that bring the holiday alive and makes it personal for each girl.

Jewish History

Our journey through Jewish History will teach us about major events that shaped the face of Jewry from the 16th century until today.

Middle School Girls Tefilos

Each day during morning davening we will be spending some time learning an in-depth explanation of the words of some tefilos that are said daily with a special focus on the correct kavana (intentions) to have when saying each line of each tefila. The girls will also be assigned a chapter of Tehilim on a rotational basis to lead everyone so that the girls become more comfortable with the inspirational words of Tehillim.

7th -8th Grade boys Torah Studies

Gemara

Students will strengthen their reading skills with a focus on the following objectives: Translation, Reading Fluency, Comprehension and Analysis of the order of logic of the Talmud including Anticipating Rashi's Questions they will cover the 3rd Chapter of Tractate Bava Metzia.

Halacha

At this age, students are becoming aware and involved in Jewish life and feel a greater sense of responsibility for the Mitzvos in their lives, as such we will focus on knowledge of various customs and how to fulfill them. In particular we will be focusing on the Mitzvah of laying Tefillin. Prior to each Jewish Holiday, the customs and Mitzvos pertaining to that Holiday are reviewed and studied.

Parsha

A survey of the weekly Torah portion and relevant life lessons learned on a weekly basis.

Navi/Chumash

This year we will be splitting the year between Navi and Chumash. The first half of the year we will be studying Shmuel I, and after winter break will be learning the second half of sefer Shemos. There will be many similar skill sets in both classes including reading, translating, and hebrew grammar. We will also be focused on reading and analyzing Rashi and other commentators. In Navi we will focus on the unique storyline, and in Chumash we will focus on some of the practical halachic concepts.

Jewish History

We will begin studying one thousand years of Jewish history from 500 CE -1500 CE . We will study the cycles of "history", and how much of the reverberations of those bygone times have massive ripple effects felt event today in modern 2017.

Middle School Boys Minyan

Welcome to the Middle School Minyan at YDLV! We are pleased to have a Minyan this year run by our students from the Brachos in the morning, to reading of the Torah. Young men take on leadership roles, giving them the opportunity to practice leading a Tzibbor, a congregation in a “no-pressure” manner. Our minyan begins at 8:05am and throughout the Minyan, the boys have the opportunity to learn about the Tefillos and the laws of davening. Each student is given the Artscroll Interlinear Siddur so that they can follow along in the davening and simultaneously have an understanding of what they are saying. Rabbi Alcabes supplements this understanding with a deep insights into various Tefillos and Rabbi Kaufman goes through a few brief Halachos of Davening so that boys are familiar with Laws and customs surrounding the prayer service.

Ultimately davening is Avodas Haleiv - work of the heart. It's what your thoughts and emotions are during davening that constitutes what type of conversation you are having with Hashem. Everyone is faced with the challenge of having “Kavana” during davening. It is a challenge for even those davening for 50+ years. However, sometimes we all need an extra push of inspiration or at least something to “get us into things”. Sometimes by outwardly acting the part, it will wake up our internal self and catapult us into a real meaningful davening. To help encourage best practices of Tefilla and give recognition to the boys who put forth extra effort to lead and participate, we have a recognition system called “Yaashar Koach “ Points. These points are awarded both individually and collectively.

We look forward to some great Davening from the boys this year!

Middle School English Language Arts

Course Description

This ELA class is a survey of reading and writing. Our class will start with vocabulary, spelling or grammar lessons then move to writing and reading. Students will independently read a book a month with a book report due at the end of each month. Writing units will vary with expository, declarative, argumentative, narrative and poetry all being covered. We will do several novel sets and two read alouds.

Core Topics Covered

Grammar - Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. (ELA Standard Literacy L5-8.1-6)

Writing- Write arguments to support claims with clear reasons and relevant evidence. Write narratives, expository and opinion pieces. (ELA Standard Literacy W5-8.1-9)

Reading Comprehension/Literature- Using novel sets, read alouds, and exemplars to analyze plot and theme. By the end of the year, read and comprehend literature, including stories, dramas, and poems, in the grades 4-8 text complexity band proficiently, with scaffolding as needed at the high end of the range. (ELA Standard RL5-8.10)

Vocabulary and spelling - Wordly Wise provides students with direct academic vocabulary instruction to develop the critical link between vocabulary and reading comprehension. Students will be introduced weekly to new set of words to investigate, understand, and incorporate into their written and oral vocabulary. Students will be assessed on their correct spelling of the words as well. (ELA Standard Literacy L5-8.1-7)

Speaking and Listening - Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade level topics, texts, and issues, building on others' ideas and expressing their own clearly. (ELA Standard Literacy SL5-8.1-6)

Textbooks and Materials

Wordly Wise, for spelling and vocabulary,

5th and 6th Grade Novels: *Wonder*, *The Giver*, *Tuck Everlasting*, *Hatchet*, *Watsons go to Birmingham*, *Westing Game*, and *Esperanza Rising*

7th and 8th Grade Novels

Wonder, *Adventures of Tom Sawyer*, *Ender's Game*, *To Kill and Mockingbird*, *Roll of Thunder*, *The Phantom Tollbooth*, *Fever 1783*

Middle School Science and Social Studies

Course Description

Our Middle School program works on a rotational basis. We will alternate units between Social Studies and Science throughout the year. Our 5-6 grade students will cover the core concepts of Earth Sciences and our 7-8 grade students will focus on the Physical Sciences. In Social studies, our 5th grade students will explore US history and our 6-8 grade students will continue with their studies on the world. This year we will cover South, Central, East and Southeast Asia (including Central Asia, Caucasus, China, Japan, and Southeast Asia). Along with studying Australia and the Pacific. Students will explore historical information, current events, geography, and culture from these countries throughout the year.

Core topics covered

Earth Science (5-6 grades)

Students in 5-6 grades will study Earth Sciences. They will explore

- Earth's resources: through the Earth's crusts, rocks and mineral mixtures, and energy
- Restless Earth- plate tectonics, earthquakes, volcanoes, and heat
- Reshaping the Land- Flow of freshwater, agents of erosion and deposition, interactions of living things
- Oceanography
- Weather and Climate

Physical Sciences (7-8 grades)

Our 7-8th grade students will be using the CIJE TECH middle school program. The program places a large emphasis on preparing students in the areas of technology, engineering, and mathematics (STEM) and giving them the skills they need to work through the design process. The modules designed throughout the year will challenge students in a project based and problem solving approach. The modules are designed to meet the physical science standards for middle school.

The middle school program will allow students to:

- Define questions and problems, design investigations to gather data, collect and organize data, draw conclusions, and apply understanding to new and novel situations
- Creatively use science, mathematics and technology concepts and principles by applying them to the engineering design process
- Apply rational and logical thought processes of science, technology, engineering and mathematics design
- Understand and explain the fundamentals of STEM and to develop the skills needed, and to appropriately apply the knowledge gained (CIJE TECH)

American History (5th Grade)

The fifth grade students will continue their research and exploration of American History covering the following core topics:

- Colonial America
- The American Revolution
- Life in a New Nation (President Washington)
- A Growing Nation- Moving west
- A divided nation- Focus on Civil War and Reconstruction
- Expansion and change- The Life of Farmers and Cowboys, Effects of inventions and immigration on the country
- United States and the World- The impact of being a world power and how the USA entered the 21st century.

Asia-Pacific Regional World History (6-8 grade)

- Students will research and explore history, current events, and geography of the following countries:
 - China, Japan and the Koreas, Southeast Asia, Australia and the Pacific

Textbooks and Materials

The United States, Scott Foresman

My World Geography, Geogory Chu, Susan Hardwick, Don Holtgrieve

Earth Science, Holt Science and Technology

CIJE TECH Middle School, CIJE

Middle School Mathematics

Course Description:

Our middle school math students learn through modeling. It is known that many students learn in different ways and careful attention is placed on teaching students the steps and appropriate processes necessary to work through problems independently. At Yeshiva Day school we strive to give our students the foundations and skills they need to be prepared for high school math.

Core topics covered by grade level:

Fifth Grade:

- Order of Operations
- Operations and Algebraic Thinking
- Patterns and Relationships between numbers
- Place Value using multi-digit numbers and decimals
- Conversion between standard and expanded form
- Patterns and Numbers in powers of 10 in relation to Place Value

Sixth Grade:

- Ratio Language and concept between quantities
- Proportional Relationships
- Rates in Word problems
- Graphing Tables to show data
- Comparing Ratios and Numbers
- Exponents and Numerical Expressions

Seventh and Eighth Grade:

- Irrational vs. Rational numbers
- The Number System
- Expressions and Equations
- Conversion of decimals, fractions, and mixed numbers
- Positive and negative square roots
- Understanding Exponents
- Scientific Notation
- Graphing Data and Research Findings
- Multi step equations
- Evaluate equations in Mixed review of Facts

Textbooks and Materials

5th grade: Singapore, Math in Focus- Course A/B

6th grade: Math in Focus Course 1, 2

7th-8th grade: Math in Focus Course 3

Algebra 1 (McDougal, Lindell)

Middle School Electives

Electives provide our students with an alternative form of learning from their core classes. We value that our students should be exposed to a variety of skill sets and have more opportunity for hands on learning, collaboration, leadership, and creativity.

Physical Education- Middle school students have PE three times a week. There is a strong emphasis on fitness and sportsmanship in the course. Students will enjoy athletics with peers, and develop stronger eye-hand coordination. Girls will have an opportunity to learn yoga and dance.

Art- Weekly, students will work on a variety of projects to enhance their Yom Tov experience (Jewish holiday) with their family. The projects are thematic to the upcoming holidays, but offer our middle school students a wide range of skills and techniques in the arts.

Computer/STEM - Weekly, students will have a computer course that will focus on the following skill sets: Digital Storytelling, Information Literacy and Computer Safety, Typing, CIJE BYTES (Grades 7-8), Scratch and Lego Mindstorm, Google Slides, Google Sheets, and 3D Modeling.

Our Middle School Students will have the opportunity to pick one of the following electives each trimester based on interest from the student body:

- Debate Club
- Chess Club
- Handiwork
- Battle of the Books
- Leadership Club
- Video Yearbook
- Etiquette Class
- Drama/Readers Theatre
- Environmental Club
- Escape room
- Flea Market Flip
- TV/News Show
- Geobee-geography quiz game.
- Forensics

