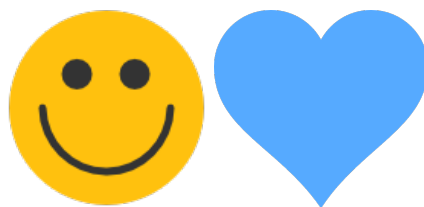


# Discovery K12

## Parent/Teacher Guide 2020-2021 School Year

Welcome to Discovery K12  
Online Homeschool!



**#happyheart**

## Table of Contents

Overview & Philosophy	3
Courses	5
Curriculum Outlines By Grade Level	8
Quizzes / Tests & Answer Keys	24
Research Center, Multipurpose, & Ebook Library	30
Integrating Written Reports	33
Integrating Field Trips & The Outdoors	34
Frequently Asked Questions	35
Homeschool Laws	38
Parent/Teacher Account	39
Help & Contacting Support	40

## Overview & Philosophy

As an independent homeschooler, you are in charge of how you'd like to use our curriculum. You may use it full-time, part-time or supplement with other curriculum. You do not have to use all of our courses, but you will still have access to all of them.

If you are using the curriculum full-time, it should take students about 5.5 hours per day in grades 2nd through 12th; about 3 hours per day for kindergarten and first grade, and about 2 hours per day for pre-k. A breakdown of recommended time for each course is below in the Course Section of this guide.

Depending on the child's age, ability and learning style, you may need to sit with your student(s) through each course, provide guidance and your own instruction; or have students work independently. Students may be able to work independently on certain courses and need help with others. You will need to find the right mix for what works best for you, your student(s), and homeschool environment.

Discovery K12's curriculum is visual, reading, writing, and researched based. It includes videos and reading resource links in most of the assignments. We encourage students to do additional research on the topics presented and to use critical and objective thinking; as well as, question what they are learning, from second grade and up. We use many Internet resources such as Britannica, Wikipedia, Encyclopedias, blogs, government, organization websites and primary source documents. We encourage students to use the Research Center inside their Student Account, especially for Science and History/Social Studies to do additional research on each topic presented. In lower grades, or for students that have difficulty in reading, parents will need to take an active role. Once students become good readers and learn how to learn on their own, they can excel tremendously through independent study.

**All student work (regular daily assignments such as essays, presentations, math practice, note-taking for science and history, etc.) will be given directly to parents/guardians, and we don't store any work (other than digital worksheets that are part of the curriculum). Parents/guardians may grade/review daily assignments as they see fit. Not all like to grade for different reasons. We recommend saving all work for your records as evidence of work completed, and reviewing student work daily. We recommend students write on each assignment: their Name, Date, Course/Subject, Day # for easy organizing/filing.**

**Depending on grade level, the list on the next page is about what you should be getting from your student(s) each day for each subject, if using us as a full time homeschool resource. You are in charge, and this is just what we recommend. You can make any adjustments you like.**

**Reading/Lit – the reading log should show: about 60 minutes**

**Language Arts – A writing piece or presentation**

**Math – Students follow along with the video using Grid Paper, and do any practice problems (you can give your students additional math problems, and incorporate a math workbook from the bookstore, if you'd like)**

**Science – daily notes**

**History – daily notes**

**PE – 30 minutes and then enter in the PE log**

**Visual/Performing Arts – students take notes or produce an art project**

You can follow our schedule or go by your own schedule/pace. We start each school year on the Tuesday after Labor Day. There are 180 days of curriculum for the school year. The Today's Assignments page is used if you are following our schedule. Day 1 of the curriculum will be on the Today's Assignments page when we begin the school year, and the Today's Assignments page will change to the next days lessons based on our Calendar. You can find our Calendar schedule under the Help menu. The Calendar will let you know what days are holidays and breaks within the school year. The Today's Assignments page will change at about 5:00 PM Pacific Time to show the next days lessons. Your student can login and do the lessons at any time during that 24 hour period. If they miss a day, they can always access the missed day by clicking to the Daily Assignments page. The Daily Assignments page gives access to all 180 days of curriculum. If you plan to go by your own schedule/pace, you will use the Daily Assignments page to access each day that you need. You will need to keep track of the Day # you are on.

The curriculum is organized by grade level. An outline of each grade's curriculum can be found under the Curriculum Outlines by Grade Level in this document to assist you with placement, and also under the Help menu inside your account.

Our engineers are working on completing Course Personalization, which will be a feature of the **Parent/Teacher Account**. Course Personalization will allow you to select curriculum from other grade levels to support students that need a different level in a different subjects such as math. In the meantime, you can change the grade level under the Help menu inside student accounts to change the grade to access the curriculum at different levels as needed. You would have to toggle it back and forth between grade levels each day to access what you need, and you will need to pay attention to what grade you are set to, to ensure you are doing the correct level of assignments.

We expect to launch Course Personalization sometime over the summer.

# Courses

## **Reading/Literature**

*Course Timeframe: 60 minutes*

The Reading/Literature courses are based on classic literature. Students can choose any book from our Library or from any other source. We also encourage students to read what they enjoy and what interest them. You can also read non-fiction books that tie-in with what students are learning in History/Social Studies. For example, students can read Hiroshima by John Hersey when studying World War II in 10th grade. Each day students should read for at least 30-60 minutes, then log what they've read using the online Reading Log in their Student Account. Students can take notes if they choose and use them for their essay or presentation in Language Arts.

## **Language Arts**

*Course Timeframe: 60 minutes*

Grammar is covered in grades kindergarten through 5th grade. After 5th grade, student can continue to improve their writing and communications skills through their essays, presentations, and creative writing assignments.

In grades 2nd through 12th, there is a flow to our Language Arts. Each week students write an essay on the first day, another essay on the second day, a presentation that runs over the third and fourth days, and creative writing on the 5th day of the week. The content of these essays and presentations is tied to what students are reading in Reading/Literature, but they can also be tied to what they are learning in History/Social Studies or Science.. Mixing it up with the different courses keeps it more interesting for students. The two separate essays in the first and second days of the week can also be merged into a single essay if you prefer. This can allow the student to spend the first day planning/researching and making an initial draft for the essay, and the second day to improve, edit, and finalize it. Essays and presentations are meant to be done digitally with a word processor and slide presentation software; however, you can also have students do these traditionally with pencil and paper. For presentations, we encourage students to present the final presentation to you in an oral format to help improve their verbal communications and presentation skills on a weekly basis.

Spelling is also part of our Language Arts program and is done in grades kindergarten through 12th. Each week, there is a new list of spelling words that are located at the bottom of each day's assignments. There is a different spelling assignment each day and a quiz at the end of the week. In grades kindergarten through 2nd, students use printable worksheets. In grades third through 12th, digital spelling worksheets are used. In grades 3rd through 8th, students practice cursive one day per week using their spelling words.

## **Math**

*Course Timeframe: 60 minutes*

Math is provided to students through an instructional image, video, or slide presentation. A new math topic (unit) is typically introduced to students each week. The curriculum outlines or Curriculum Scope & Sequence inside the **Parent/Teacher Account** will provide you information on what is covered during the year. Students are to follow along with the assignments using grid paper and pencil. You can also pick up regular grid paper at the store if you wish. Students may need to stop/start the instructional videos or go over them several times. Most of the math assignments will have practice problems up to 8th grade. You create additional practice problems if you'd like. We recommend reviewing math with your student's each day. We do not have answer keys for math practice problems. Many people will add a math workbook from their local book store at grade level to use along with our math courses.

## **History/Social Studies & Science**

*Course Timeframe: 60 minutes each*

The History/Social Studies and Science courses will present reading resource links and many times video content. Students are to watch the video and read the resource links while taking notes. They should also use the Internet or the Research Center to do additional research on each lesson. This can help students learn how to learn, and how to ask questions, and become critical thinkers. Our Research Center provides some guidance to students on doing research from credible sources. Students can take notes digitally or traditionally using paper or a journal for each subject. We recommend putting the date and assignment Day # (such as Day 5) on each day's notes. While our curriculum is digital, we also believe that traditional note taking with paper may provide a higher retention and helps maintain traditional writing skills. Students will use their notes to study for the test at the end of each unit, so putting the assignment Day # on the notes is important for being able to go back in the online lessons to review. Test answer keys for Science, History/Social Studies, and other courses are inside the **Parent/Teacher Account**. There is an investigative worksheet included with many Science lessons that students can use should you wish them to conduct an experiment or investigative work in a lesson. You may need to plan ahead to follow along with any science lesson, so we recommend reviewing the curriculum in your student account at least one week ahead.

## **Visual/Performing Arts**

*Course Timeframe: 30 minutes*

The Visual/Performing Arts course is a combination of historical information, virtual museum tours, drawing, hands-on crafts, digital drawing, and other visual arts topics and learning experiences. Sometimes, these lessons are tied to History/Social Studies. For example students in 7th grade who are studying the Middle Ages, may draw a castle or learn about art from that time period. In grades 3rd and up, students will have some lessons where they can gain beginning digital art skills. There is a supplies list and list of

free, web-based software applications for what students may need to have - these lists are on the Instruction page under the Help menu in student accounts.

### **Physical Education**

*Timeframe: 30 minutes*

The Physical Education course is included in grades 1st through 12th and offers Calisthenics across all grade levels. Students should record their performance inside the P.E. Log each day. You can supplement to this course if you'd like with alternatives that interest students such as dance, martial arts, biking, skateboarding, etc. There is an "other" area in the P.E. Log where you students can enter alternative activities.

### **Extra Curriculum**

*Timeframe: 30 to 60 minutes per course*

The extra curriculum courses are optional, although taking a foreign language may be required by some states in a specific grade level. Our extra curriculum courses include Spanish, HTML Coding, Healthy Living, Personal Finance, Business Apps, and Business 101. All of these courses are 180 days of curriculum, except Personal Finance, Business Apps, and Business 101 which are 20 day courses. These courses are recommended for grades 3rd and up. Students should spend 30 to 60 minutes on each course reviewing the reading resources and video (if provided), and do additional research/study on each lesson topic. We also recommend students take no more than 1 or 2 extra curriculum courses each year.

### **STEM (Science, Technology, Engineering, & Math) Projects**

36 Weeks of STEM projects are available if you wish your students to have hands-on science activities. There is also a good information, even if students don't do the hands-on activities. They will still benefit from going through the STEM projects online.

## Curriculum Outlines By Grade Level

The following pages show the curriculum outlines for each grade level. A more detailed Scope & Sequence of curriculum is included in the Parent/Teacher Account, and will show what Day # quizzes/tests are on.



# Pre-K

Below are the standard courses and curriculum topics for Pre-K.

## Reading/Literature Pre-K

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts Pre-K

- Beginning alphabet (identify letters and sounds)

## Math Pre-K

- Numbers 1 to 10
- Counting objects to 10
- Basic shapes (square, rectangle, circle, triangle)
- Sorting (by color, shape, size)
- Time (day and night)

## Visual and Performing Arts Pre-K

- Singing and dancing
- Coloring

## Motor Skills Pre-K

- Holding writing utensils
- Using scissors

## Social Skills Pre-K

- Practice manners (please, thank you, table manners)
- Taking care of basic needs (clean up, getting dressed, etc.)

# Kindergarten

Below are the standard courses and curriculum topics for Kindergarten.

## Reading/Literature K

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts K

- Alphabet
- Upper and lower case letters
- Phonics
- Emergent reading (with beginning grammar - sentence, capitalization, end marks)
- Spelling program (sight and frequently used words)

## Math K

- Numbers to 100
- Work with numbers from 0 to 20
- Beginning addition
- Beginning subtraction
- Easy two-digit addition without regrouping
- Compare objects and numbers
- Shapes

## History/Social Studies K

- Calendar, months, and days of the week
- Following rules for safety and better community
- Honesty, courage, determination, and responsibility through historic figures
- American symbols
- Map Basics: Land, water, mountains, and rivers
- Understanding community
- Past, present, and future
- Understanding wants verses needs
- National holidays

## Science K

- Observe, measure, and predict properties of materials
- Understanding weather and seasons
- Plants and animals that inhabit the Earth
- Earth is composed of land, air, and water
- How things work
- Investigations and experiments

## Visual/Performing Arts K

- Dance, music, art
- Drawing and coloring
- Connect-the-dots
- Hands on crafts

# First Grade

Below are the standard courses and curriculum topics for First Grade.

## Reading/Literature 1

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 1

- Sentence structure
- Syllables
- Long and short vowels
- Blending sounds and consonant blends
- Phonics
- Word endings
- Common, proper, and possessive nouns
- Singular and plural nouns
- Pronouns
- Past, present, and future tense verbs
- Adjectives
- Conjunctions
- Prepositions
- Opinion writing pieces
- Narrative writing pieces
- Writing using basic research skills using a dictionary and thesaurus
- Writing using a word processor
- Spelling and vocabulary

## Math 1

- Basic addition and subtraction
- Basic addition and subtraction word problems
- Basic addition with very basic algebraic concepts ( $10 + X = 14$ )
- Count by twos, fives, and tens
- Greater than, less than or equal comparisons
- Very basic place value

## Math 1 Continued

- Addition of two digit numbers
- Subtraction of two digit numbers
- The Metric System
- Telling time

## History/Social Studies 1

- Rights and responsibilities of citizenship
- Places and people in different times
- Everyday life in different times and places
- U.S. symbols, icons, and traditions
- Backgrounds of American citizens
- Basic economic concepts
- My state

## Science 1

- Materials can be solids, liquids, and gases
- Materials can change when they are mixed
- Plants and animals inhabit different environments
- Food chain ecosystems
- How things work
- Investigations and experiments

## Visual/Performing Arts 1

- Dance, music, art
- Drawing and coloring
- Connect-the-dots
- Hands on crafts

## Physical Education 1

- Calisthenics
- Stretching and calisthenics techniques
- Discovery the history of calisthenics
- Log and track your progress

# Second Grade

Below are the standard courses and curriculum topics for Second Grade.

## Reading/Literature 2

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 2

- Long “e” and common long vowel letter combinations
- Prefixes and suffixes
- Commonly confused words that sound the same (their, there, they’re)
- Collective nouns
- Irregular plural nouns
- Adverbs and adjectives
- Apostrophes and contractions
- Formatting a letter
- Produce compound and complete sentences
- Paragraph structure
- Opinion essays
- Narrative essays
- Creative writing
- Digital presentations
- Review and edit work to improve writing
- Improve writing using research, dictionary, and thesaurus
- Writing using a word processor
- Spelling and vocabulary

## Math 2

- Addition and subtraction word problems
- Place value for multi-digit arithmetic
- Addition of two and three digit numbers with carrying
- Subtraction of two and three digit numbers with borrowing
- Working with U.S. money coins and bills

## Math 2 Continued

- Very basic place value
- Geometric shapes and fractions of shapes

## History/Social Studies 2

- Things that happen long ago verses today
- Basic world geography, people, and places
- Government institutions and practices
- Economic concepts
- Economic reasoning
- Individual action and character through historic figures
- U.S. states and capitols

## Science 2

- Motion of objects
- Life cycles of plants and animals
- Materials the Earth is made of and human resources
- Conservation
- How things work
- Investigations and experiments

## Visual/Performing Arts 2

- Dance, music, art
- Drawing
- Hands on crafts and art
- Museum tours

## Physical Education 2

- Calisthenics
- Stretching and calisthenics techniques
- Discovery the history of calisthenics
- Log and track your progress

# Third Grade

Below are the standard courses and curriculum topics for Third Grade.

## Reading/Literature 3

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 3

- Improve knowledge of nouns, pronouns, verbs, adjectives, and adverbs
- Coordinating and subordinating conjunctions
- Commonly confused words that sound the same (their, there, they're)
- Simple, compound, and complex sentences
- Capitalization in titles
- Commas and quotation marks
- Possessives
- Opinion essays
- Narrative essays
- Creative writing
- Digital presentations
- Review and edit work to improve writing
- Improve writing using research, dictionary, and thesaurus
- Increase vocabulary and spelling
- Cursive writing

## Math 3

- Multiplication of one and two digit numbers
- Division of one and two digit numbers
- Multiplication and division with algebraic thinking ( $45 \div X = 9$ )
- Find greatest common factors between two numbers
- Commutative properties of multiplication
- Addition and subtraction of large numbers
- Basic introduction to fraction

## Math 3 Continued

- Round numbers to the nearest 10<sup>th</sup>
- Measurements and plotting data on a chart
- Finding the area of a rectangle by multiplication of its sides

## History/Social Studies 3

- Physical and human geography of all the continents
- American Indian nations
- Historical American events
- Laws and basic U.S. government structure
- Economic reasoning
- Individual action and character through historic figures
- U.S. States review

## Science 3

- The world's oceans
- Plants and animals that inhabit the oceans
- Effects of human involvement with the oceans
- Oceanography: the study of the ocean
- Investigations and experiments

## Visual/Performing Arts 3

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 3

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Fourth Grade

Below are the standard courses and curriculum topics for Fourth Grade.

## Reading/Literature 4

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 4

- Improve knowledge of nouns, pronouns, verbs, adjectives, and adverbs
- Coordinating and subordinating conjunctions
- Commonly confused words that sound the same (their, there, they're)
- Simple, compound, and complex sentences
- Capitalization in titles
- Commas and quotation marks
- Possessives
- Opinion essays
- Narrative essays
- Creative writing
- Digital presentations
- Review and edit work to improve writing
- Improve writing using research, dictionary, and thesaurus
- Increase vocabulary and spelling
- Cursive writing

## Math 4

- Multiplication and divisions word problems
- Long multiplication
- Long division with remainders
- Place value of whole and decimal numbers
- Equivalent fractions
- Compare fractions
- Improper fractions and mixed numbers
- Simplifying or reducing fractions

## Math 4 Continued

- Addition and subtraction of fractions and mixed numbers
- Multiply a whole number by a fraction
- Fraction word problems
- Write a decimal as a fraction
- Compare two decimals
- Addition and subtraction of decimals

## History/Social Studies 4

- Places and regions in the United States
- Pre-Columbia, missions, and rancho periods
- Mexican American War
- Gold Rush
- Local, state, and federal governments
- Countries and their capitols

## Science 4

- Electricity and magnetism of the Earth
- Organisms need energy and matter to live and grow
- Properties of rocks and minerals
- Fossils
- Investigations and experiments

## Visual/Performing Arts 4

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 4

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Fifth Grade

Below are the standard courses and curriculum topics for Fifth Grade.

## Reading/Literature 5

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 5

- Improve knowledge of grammar
- Conjunctions, prepositions, and interjections
- Correlative conjunctions
- Idioms, adages, and proverbs
- Opinion essays
- Narrative essays
- Creative writing
- Digital presentations
- Review and edit work to improve writing
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling
- Cursive writing

## Math 5

- Use order of operations to solve equations
- Practice long multiplication and division
- Practice adding and subtracting of decimals
- Practice fraction word problems
- Multiplication and division of fractions
- Dividing fractions and reciprocal numbers
- Improve understanding of fraction simplification and equivalent fractions
- Fractions and whole number multiplication
- Dividing mixed and whole numbers
- Improve understanding of comparing fractions
- Addition and subtraction of fractions and mixed numbers

## Math 5 Continued

- Measurement of volume
- Converting different measurement units
- Making line plots of data results
- Basic geometry
- Areas of triangles

## History/Social Studies 5

- The nation up to 1850
- Colonial government
- Early exploration of the Americas
- American Indians and settlers
- Political, social, & economics of the colonial era
- The American Revolution
- Development of the Constitution
- Immigration and settlement

## Science 5

- Types of matter
- Plant and animal anatomy structures
- Movement of water in oceans and lands
- Energy from the Sun
- The Solar System
- Investigations and experiments

## Visual/Performing Arts 5

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 5

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Sixth Grade

Below are the standard courses and curriculum topics for Sixth Grade.

## Reading/Literature 6

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 6

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling
- Cursive writing

## Math 6

- Ratios and proportions
- Ratios and real world problems
- Percents
- The coordinate plane and plotting points
- Graphing ordered pairs on the coordinate plane
- Positive and negative numbers
- Writing and evaluating expressions
- Writing equations from word problems
- Substitute values for variables
- Generate and recognize equivalent expressions
- Solve one variable equations
- Solve multiplication algebra equations
- Expand knowledge about area and volume
- Recognize statistical questions
- Graphing data by making line plots, charts, and tables

## History/Social Studies 6

- Geography of ancient civilizations
- Paleolithic Era to the Agricultural Revolution
- Political, economic, and social structures of ancient civilizations
- Ancient Greece
- Ancient India
- Ancient China
- Ancient Rome

## Science 6

- Plate tectonics and Earth's structure
- Topography of the Earth's surface
- Heat (thermal energy)
- Ecology
- How energy and matter differ
- Improve investigative and research skills

## Visual/Performing Arts 6

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 6

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress



# Seventh Grade

Below are the standard courses and curriculum topics for Seventh Grade.

## Reading/Literature 7

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 7

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling
- Cursive writing

## Math 7 (Pre-Algebra)

- Ratios and proportions review
- Proportional relationships
- Multiplying and dividing real numbers and integers
- The distributed property
- Simple one variable equations
- Write simple equations for unknown values to solve real world problems
- Write an inequality from a word problem
- Properties of triangles and measuring triangles
- Scale factor and scaling shapes
- Understanding 3 dimensional figures
- Area of a circle
- Solve unknown values of angles
- Basic introduction to statistics and probability

## History/Social Studies 7

- Disintegration of the Roman Empire
- Medieval and early modern times
- Geo, political, economic, and social structures of Medieval Times
- The Reformation Period
- The Scientific Revolution
- Age of Exploration, Enlightenment, and Reason

## Science 7

- Cell biology
- Genetics and how plants and animals evolve
- Living systems of plants, animals, and people
- Underlying biological structures and functions
- Improve investigative and research skills

## Visual/Performing Arts 7

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 7

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Eighth Grade

Below are the standard courses and curriculum topics for Eighth Grade.

## Reading/Literature 8

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 8

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling
- Cursive writing

## Math 8 (Algebra I and Basic Geometry)

- Rational and irrational numbers
- Integers and exponents
- Exponents and scientific notation
- One variable linear equations
- Solve linear equations by graphing
- Two variable linear equations
- Graph proportional relationships
- Slope and similar triangles and proportions
- Introduction to functions
- Average rate of change
- Translations, rotations, and reflections
- Intersecting lines and angles
- Parallel lines and perpendicular lines
- Similar and congruent figures
- Volume of spheres, cones, and cylinders
- Graphing data on scatter plots, charts, and tables

## History/Social Studies 8

- Events leading up to the Constitution
- U.S. foreign policy in the early republic
- Americans during the 1800s
- The Civil War
- The Reconstruction Period
- The Industrial Revolution

## Science 8

- Motion, forces, and the structure of matter
- Earth in the Solar System, study of stars and galaxies
- Chemical reactions
- Chemistry of living systems
- The Periodic Table
- Density and buoyancy
- Improve investigative and research skills

## Visual/Performing Arts 8

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 8

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Ninth Grade

Below are the standard courses and curriculum topics for Ninth Grade.

## Reading/Literature 9

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 9

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

## Math 9 (Advanced Algebra)

- Rational exponents
- Rational and irrational numbers
- Complex numbers
- Solve quadratic equations
- Solve polynomial identities
- Using matrices to solve equations
- Parts of an expressions
- Equivalent expressions
- Rewrite expressions in different forms
- Advanced linear equations
- Graph linear functions and inequalities

## History/Social Studies 9

- Geography
- How the Arts effect each culture
- Major world religions
- Effects of the Industrial Revolution
- Bill of Rights
- Natural Law

## Science 9

- Physics of motion and forces
- Conservation of energy and momentum
- Heat and thermodynamics
- Waves
- Electric and magnetic phenomena
- Spacetime
- Improve investigative and research skills

## Visual/Performing Arts 9

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 9

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Tenth Grade

Below are the standard courses and curriculum topics for Tenth Grade.

## Reading/Literature 10

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 10

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

## Math 10 (Geometry)

- Points, lines, and planes
- Radius, area, circumference and other properties of circles
- Transformations of shapes on the coordinate plane
- Transformations and rigid motion
- Translating circles
- Parallel lines and corresponding angles
- Geometric constructions
- Similar and congruent triangles
- Right triangles and right triangle equations
- Sine, cosine, and tangent
- Similarity of circles
- Inscribed and central angles
- Constructing a tangent to a circle
- Write equations given the center and radius of a circle
- The directrix, focus, & vertex of a parabola
- Use slope to determine if lines are parallel or perpendicular

## History/Social Studies 10

- Turning points after the 1800s that shaped the modern world
- Ancient Greek and Roman philosophy that shaped western ideas
- Comparing the Glorious Revolution to the American Revolution
- World War I
- World War II
- Global advances in economy, information, and technology

## Science 10 (Chemistry)

- Atomic and molecular structure
- Chemical bonds
- Conservation of matter and stoichiometry
- Gases and their properties
- Acids and bases
- Solutions
- Chemical thermodynamics
- Reaction rates
- Chemical equilibrium
- Organic and biochemistry
- Nuclear processes
- Improve investigative and research skills

## Visual/Performing Arts 10

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 10

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Eleventh Grade

Below are the standard courses and curriculum topics for Eleventh Grade.

## Reading/Literature 11

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 11

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

## Math 11 (Statistics)

- Histograms (bar and line charts)
- Scatter plots
- Categorical data
- Quantitative and qualitative data
- Use data to compare the median
- Use data to calculate the mean
- Modeling linear data
- Fit a linear function to a scatter plot
- Point of sale statistics
- Building statistical models
- Assumptions in statistical modeling
- Analyze and evaluate surveys and data
- Margin of error
- Compare data
- Calculating probability
- Outcomes of probability
- Conditional probability
- Random variables
- Making predictions

## History/Social Studies 11

- Philosophy of the Declaration of Independence
- Rise of industry and rural to urban migration
- Role of religion in the founding of America
- The 1920s
- The Great Depression
- Economic boom post World War II
- Foreign policy post World War II
- Civil rights
- Social and political issues in America today

## Science 11 (Physiology)

- Cell biology
- Genetics
- Ecology
- Evolution
- Physiology
- Improve investigative and research skills

## Visual/Performing Arts 11

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 11

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Twelfth Grade

Below are the standard courses and curriculum topics for Twelfth Grade.

## Reading/Literature 12

- Daily reading of classic literature from our library or yours
- Log and track your progress

## Language Arts 12

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

## Math 12 (Advanced Algebra and Trigonometry)

- Functions
- Function notation
- Average rate of change on a graph
- Square root and cube functions
- Solve quadratic equations by factoring
- Write functions
- Function transformations
- Inverse functions
- Composition of functions
- Logarithmic equations
- Identify linear versus exponential functions
- Graphing exponential functions
- Radian and degrees
- Unit circle

## History/Social Studies 12

- American government and economics
- Principles in the Constitution
- Rights and obligations of U.S. citizens
- Values of a civil society
- Branches of U.S. government
- Supreme Court rulings
- Political campaign issues
- National, state, tribal, and local governments
- Influence of media on American politics
- Different political systems

## Science 12 (Earth Science)

- Earth's place in the universe
- Dynamic Earth processes
- Energy in the Earth
- Biogeochemical cycles
- Structure and composition of the atmosphere
- Improve investigative and research skills

## Visual/Performing Arts 12

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

## Physical Education 12

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress

# Extra Curriculum

Below are extra curriculum courses for third to twelfth grades.

## **Spanish 1 - 180 Days**

- Animals
- Colors
- Numbers to 30
- Greetings and salutations
- Opposites
- Conversational Spanish
- Vocabulary
- Days of the week
- Months
- Calendar
- Shapes
- Clothing
- Plural rules
- People descriptions
- Verbs
- Question Words
- Hay (there is, there are)
- Tu and Usted (you)
- Articles (the, El, La)
- Grammar
- Adjectives
- Adverbs

## **HTML Coding - 180 Days**

- Introduction to HTML
- Editors
- Basics
- Elements
- Attributes
- Headings
- Paragraphs
- Formatting
- Comments
- Links
- Head

## **HTML Coding Continued**

- CSS
- Images
- Tables
- Lists
- Blocks
- Layout
- Forms
- Iframes
- Colors
- JavaScript

## **Healthy Living - 180 Days**

- Natural foods
- Unhealthy foods
- Processed, GMO, organic
- Superfoods
- Natural antioxidants
- Good and bad beverages
- Teeth, hair, & personal care

## **Personal Finance - 20 Days**

- Vocabulary
- Everyday Math
- Money and Goals
- Bank Accounts
- Financial Responsibility
- Budgeting Money, Debt
- Major Purchases
- Credit Cards
- Credit Report
- Loan Basics
- Understanding Your Paycheck
- Saving Money
- Online Banking
- Tips to Financial Success

## **Business 101 - 20 Days**

- Business Vocabulary
- Coming Up with a Product or Service
- Business Legal Structures
- Building a Website
- Creating Business Cards and Brochures
- Marketing Your Business
- Dealing With Customers
- Managing Accounting & Cash
- Building a Team of Employees
- Business Resources
- Writing a Business Plan

## **Business Apps - 20 Days**

- Introduction to Business Apps
- Collaboration
- Productivity
- Web Hosting
- Sales Management CRM
- Accounting & Banking
- Accepting Credit Cards
- Advertising & Marketing
- Direct Mail
- Social Media
- Printing

## Quizzes / Tests & Answer Keys

Quizzes and tests are integrated into the curriculum, and will automatically show up within the curriculum inside Student Accounts.

There is currently a weekly spelling quiz in Language Arts, and tests after each unit in Science and History/Social Studies, and some extra curriculum courses.

Answer keys for tests are available in the optional Parent/Teacher Account.

Quiz/Test results are available in the optional Parent/Teacher Account.

Quizzes and tests will only record scores in our system on the first time they take the particular quiz/test. If the student retakes a quiz/test, the 2nd test scores will not record in our system.

The Scope & Sequence of the curriculum that is available in the Parent/Teacher Account, will show what Day in the curriculum tests come up.

Below are digital quizzes and tests aligned to the curriculum.

### **First Grade**

#### History/Social Studies 1:

- Backgrounds of American Citizens
- Basic Economic Concepts
- People and Places
- Rights and Responsibilities of Citizenship
- U.S. Symbols, Icons, and Traditions

#### Science 1:

- Materials can be Solids, Liquids, and Gases
- Materials Can Change When They Are Mixed
- Plants and Animals Inhabit Different Environments
- The Food Chain Ecosystem

### **Second Grade**

#### History/Social Studies 2:

- Economic Concepts
- Government Institutions and Practices
- Things that Happen Long Ago and Today
- U.S. States
- World Geography, People, and People



#### Science 2:

- Conservation
- Materials the Earth is Made of and Human Resources
- Motion of Objects can be Observed and Measured
- Plants and Animals Predictable Life Cycles

### **Third Grade**

#### History/Social Studies 3:

- American Indian Nations
- Historical American Events
- Laws and Basic U.S. Government Structure
- Physical and Human Geography
- U.S. States

#### Science 3:

- The Worlds Oceans
- Plants and Animals that Inhabit the Oceans
- Effects of Human Involvement with the Oceans

### **Fourth Grade**

#### History/Social Studies 4:

- Countries and their Capitols
- Mexican American War and the Gold Rush
- Places and Regions in the U.S.
- Pre-Columbia, Missions, and Rancho Periods
- U.S. States and Capitols

#### Science 4:

- Electricity and Magnetism of the Earth
- Fossils
- How Organisms Need Energy and Matter to Live and Grow
- Properties of Rocks and Minerals of the Earth

### **Fifth Grade**

#### History/Social Studies 5:

- American Indians and Settlers
- American Revolution
- Colonial Government and Power of the People
- Development of the Constitution
- Early Exploration of the Americas
- Immigration and Settlement from 1789 to 1800
- Political, Social, Religious, & Economic of Colonial Era

- The Nation Up To 1850

#### Science 5:

- Energy from the Sun and how it Heats the Earth
- Movement of Water
- Plant and Animal Anatomy Structures
- Solar System Planets that Orbit the Sun
- Types of Matter in the World

### **Sixth Grade**

#### History/Social Studies 6:

- Ancient Greece, India, China, and Rome
- Geo, Political, Economic, & Social Structures of Early Civilizations
- History and Geography of Ancient Civilizations
- Paleolithic Era to Agricultural Revolution

#### Science 6:

- Ecology: How Organisms Exchange Energy and Nutrients
- Energy from the Sun, Ocean, and Earth
- Heat (Thermal Energy and Physical Science)
- How Energy and Matter Differ in Amounts and Use
- Plate Tectonics and Earth's Structure
- Topography of the Earth's Surface

### **Seventh Grade**

#### History/Social Studies 7:

- Medieval and Early Modern Times
- Age of Exploration, Enlightenment, and Reason
- Disintegration of the Roman Empire
- Geo, Political, Economic, & Social Structures of Medieval Times
- The Reformation Period
- The Scientific Revolution

#### Science 7:

- Human Eye Quiz
- Human Heart Quiz 1
- Human Heart Quiz 2
- Human Liver Quiz
- Human Stomach Quiz
- Cell Biology, Genetics, and Evolution
- Plants, Animals, and People
- Underlying Biological Structures and Functions

## **Eighth Grade**

### History/Social Studies 8:

- Events Leading up to the Constitution
- U.S. Foreign Policy in the Early Republic
- Americans in the NE, South, and West from 1800 to 1850
- The Civil War
- The Reconstruction Period
- How the Industrial Revolution Transformed the Economy
- The Technological Revolution

### Science 8:

- Chemistry of Living Systems 1
- Chemistry of Living Systems 2
- Density and Buoyancy
- Earth in the Solar System and Study of Stars
- Motion Forces and the Structure of Matter
- Periodic Table
- Understanding Chemical Reactions

## **Ninth Grade**

### History/Social Studies 9:

- Bill of Rights
- Effects of the Industrial Revolution
- Geography
- How the Arts Effect Each Culture
- Major World Religions
- Natural Law

### Science 9:

- Conservation of Energy and Momentum
- Electric and Magnetic Phenomena
- Heat and Thermodynamics
- Physics: Motion and Forces 1
- Physics: Motion and Forces 2
- Time and Space
- Waves

## **Tenth Grade**

### History/Social Studies 10:

- Ancient Greek and Roman Philosophy that Shaped Western Ideas
- Causes, Course, and Effects of World War I and II
- Comparing the Glorious Revolution with the American Revolution

- Global Advances
- Nation Building in Latin America and China
- Turning Points from 1800s that Shaped the Modern World

Science 10:

- Acids and Bases 1
- Acids and Bases 2
- Atomic and Molecular Structure and Chemical Bonds
- Chemical Equilibrium
- Chemical Reactions
- Chemical Thermodynamics
- Conservation of Matter and Stoichiometry
- Gases and their Properties 1
- Gases and their Properties 2
- Nuclear Chemistry
- Organic Chemistry and Biochemistry
- Solutions

**Eleventh Grade**

History/Social Studies 11:

- Economic Boom Post World War II
- Federal Civil and Voting Rights
- Foreign Policy Post World War II
- Philosophy Described in the Declaration of Independence
- Rise of Industry and the Rural to Urban Migration
- Rise of U.S. as a Super Power
- Role of Religion in Founding of America
- The 1920s
- The Great Depression
- World Leadership
- Social and Domestic Policy Issues in America Today

Science 11:

- Human Skeletal Quiz
- Cell Biology
- Ecology
- Evolution
- Genetics
- Physiology

**Twelfth Grade**

History/Social Studies 12:

- American Democracy and Economics
- Different Political Systems and their Advances and Problems
- Economic Terms and Concepts
- Influence of Media on American Politics
- National, State, Tribal, and Local Governments
- Political Campaign Issues
- Rights and Obligations of U.S. Citizens
- The Three Branches of Government
- The U.S. Labor Market
- Values of a Democratic Society
- Principles of the Constitutions

Science 12:

- Agriculture and Farming
- Biogeochemical Cycles
- Dynamic Earth Processes
- Earth Science: Earth's Place in the Universe
- Energy in the Earth System
- Structure and Composition of the Atmosphere

**Extra Curriculum**

Spanish 1:

- Spanish 1 Quiz 1
- Spanish 1 Quiz 2
- Spanish 1 Quiz 3
- Spanish 1 Quiz 4
- Spanish 1 Quiz 5
- Spanish 1 Quiz 6

Personal Finance

- Personal Finance Test 1
- Personal Finance Test 2
- Personal Finance Test 3
- Personal Finance Test 4

## Research Center, Multipurpose, & Ebook Library

Research is an important aspect of our program. The Research Center can be leveraged by students as needed, and research should be integrated into most Science and History/Social Studies lessons from 3rd grade and up.

The Research Center has research tips for students, resources, and study portals that students may use to learn about other interest.

### **Multipurpose**

The online Multipurpose will be used for future group presentations and events. Currently, we are showcasing student art. If you would like to submit art for display in the Multipurpose, then please email us a picture of your student's art along with the student's first name and grade level.

### **Library**

Reading classic literature is part of Discovery K12's daily curriculum across all grade levels. The e-book library offers over 150 titles for students to choose from. Below the company's our e-book titles.

The library includes a collection of classic literature e-books and textbooks on various subjects. You can use any of the ebooks from our online library or elsewhere for daily Reading/Literature courses. The Library also includes a Historic Document collection that can be integrated and used with History/Social Studies courses.

Our e-book titles are on the following pages.

## E-Book Titles

Reading classic literature is part of Discovery K12's daily curriculum across all grade levels. The e-book library offers over 100 titles for students to choose from. Below the company's our e-book titles.

- 20,000 Leagues Under the Sea
- A Child's Garden of Verses
- A Tale of Two Cities
- A Visit From Saint Nicholas
- A Winter Amid the Ice
- Abe Lincoln Gets His Chance
- Adventures of Tom Sawyer
- Alexander the Great
- Alice in Wonderland
- Among the Farm People
- Among the Forest People
- Among the Meadow People
- Anne of Green Gables
- Around the World in Eighty Days
- Autobiography of Benjamin Franklin
- Ben Hur
- Black Beauty
- Constitution of the United States
- David Crockett
- Declaration of Independence
- Dracula
- Famous Men of the Middle Ages
- Frankenstein
- Genghis Kahn
- Grimms Fairy Tales
- Gulliver's Travels
- Helen of Troy
- Henry Ford My Life And Work
- Jane Eyre
- Jo's Boys
- Journey to the Center of the Earth
- King Solomon's Mines
- Little Women
- Luther And The Reformation
- McGuffey Primer
- McGuffey First Reader
- McGuffey Second Reader
- McGuffey Third Reader
- McGuffey Fourth Reader
- McGuffey Fifth Reader
- McGuffey Sixth Reader
- Moby Dick
- Oliver Twist
- Over in the Meadow
- Peter and Wendy
- Poems of American Patriotism
- Pollyanna
- Pride and Prejudice
- Puddnhead Wilson
- Robinson Crusoe
- Rob Roy
- Romeo and Juliet
- Sherlock Holmes
- Stories of American Life and Adventures
- Stories of Great Americans for Little Americans
- Stories that Mother Nature Told her Children
- Tarzan of the Apes
- The Adventures of Sherlock Holmes
- The Art of War
- The Call of the Wild
- The Count of Monte Cristo
- The Engine That Thought it Could
- The History of Insects

- The Life of George Washington
  - The Life of Kit Carson
  - The Little Red Hen
  - The Magna Carta
  - The Pioneer Boys of the Yellowstone
  - The Prince and the Pauper
  - The Real Mother Goose
  - The Rocket Book
  - The Secret Garden
  - The Scientific American Boy
  - The Story of Dr. Doolittle
  - The Story of Miss Moppet
  - The Swiss Family Robinson
  - The Tale of Benjamin Bunny
  - The Tale of Brownie Beaver
  - The Tale of Freddie Firefly
  - The Tale of Ginger and Pickles
  - The Tale of Jemima Puddle Duck
  - The Tale of Johnny Town Mouse
  - The Tale of Jeremy Fisher
  - The Tale of Mr. Tod
  - The Tale of Mrs. Tiggy Winkle
  - The Tale of Samuel Whiskers
  - The Tale of Tom Kitten
  - The Tale of Tommy Fox
  - The Tale of Sandy Chipmunk
  - The Tale of Old Mr. Crow
  - The Tale of Major Monkey
  - The Tale of Peter Rabbit
  - The Tale of Squirrel Nutkin
  - The Tale of Timothy Turtle
  - The Time Machine
  - The Arabian Knights
  - The Red Badge of Courage (Civil War)
  - The True Story of Christopher Columbus
  - The War of the Worlds
  - The Wind in the Willows
  - Through the Looking Glass
  - Treasure Island
  - Uncle Wiggily in the Woods
  - Uncle Wiggily's Adventures
  - Uncle Wiggily and Old Mother Hubbard
  - Uncle Wiggily's Travels
  - White Fang
  - Wonderful Wizard of Oz
  - Wuthering Heights
- E-Textbooks:
- Anatomy & Physiology of Animals
  - Spanish by Wikipedia Contributors
  - Big Cats
  - Biology
  - Charter of Freedom
  - Chess
  - European History
  - First Aid



## Integrating Written Reports

### Integrating Written Reports

A written report on a book students are reading in Reading/Literature or on a unit covered in History/Social Studies or Science is another addition you can integrate into the curriculum. Written reports help students learn how to organize information, improve research, and written communication skills while gaining further insight into the subject matter. We highly recommend students doing at least two written reports per year. The [Parent/Teacher Account](#) can tell you when units start/stop so you can coordinate these reports into the learning schedule.

## **Integrating Field Trips & The Outdoors**

You can enhance the learning experience by integrating field trips aligned with topics covered in History/Social Studies and Science. This is a great way to get the entire family involved and provide a hands-on or outdoor experience. We encourage you to visit museums, monuments, historic places, and national or state parks. You can also go on nature hikes, do Language Arts creative writing (Friday's) or drawing outside. Feel free to get creative with our curriculum and supplement where you need to!

## Frequently Asked Questions

1. **How do I change grade levels?** You can change the grade level inside your student account by going to the Help menu -> Change Grade Level. If you need further assistance, email support@discoveryk12.com the username and grade level you would like to change to and we can assist you.
2. **How do I pull my child from public school and start homeschooling?** Check with your state's Department of Education for your state's homeschool laws and procedures they may want you to follow. Each state sets their own laws/policies for homeschooling. Some states have no requirements while others want you to submit forms. You may also need to follow procedures from your local school or district for un-enrolling from your current school. To use our program, you simply create an account for each student, and get started.
3. **Is it Common Core?** No. Discovery K12 is non-Common Core.
4. **Is it accredited?** We are a curriculum for independent homeschoolers, and homeschooling in general is not accredited. The parent is the school when homeschooling.
5. **Do you provide teachers?** No. The parent is the teacher when homeschooling. You may use a tutor/teacher from an outside resource if you'd like.
6. **Are there textbooks?** All of the curriculum is online. We do not ship textbooks or other materials.
7. **Can I use this as a supplement?** Yes. You may use our curriculum part time, full time, or as a supplement. You will still see everything, but you can use what you'd like.
8. **How do I graduate and do you issue diplomas?** When you homeschool, the parent is in charge of the student's education and would be the one to graduate them and issue diplomas. Some students take the GED in their state for a high school equivalent certificate. We believe a homeschool diploma is preferred to the GED, since the GED can imply that the student dropped out and did not complete all K12 years. The Parent/Teacher Account has tools for producing transcripts and issuing diplomas to your children.
9. **Can I personalize courses from different grade levels, such as have a lower level in math and everything else at grade level?** Not yet, but soon we will be supporting this. It will be a feature controlled from the Parent/Teacher Account.

10. **Can I go by my own schedule and at my own pace?** Yes. To go by your own schedule, simply access the Daily Assignments page and you can go through each day's curriculum at your own pace.
11. **How do I get the extra curriculum?** Extra Curriculum is free and available for grades third through twelfth inside student accounts.
12. **How do I send you transcripts from my former school?** We don't accept or require any transcripts from former schools. Using our program, the parent is considered the school or homeschool and would be in charge of all student records. We recommend requesting your former school to send transcripts to you for your records.
13. **How are you funded?** Discovery K12 was/is funded by the founder, Sheri Wells, a 25-year technology engineer and homeschooler. The service is supported by parents who chose to upgrade.
14. **How long have you been offering this?** Discovery K12 has been available to others since September 2013.
15. **What does it cost?** Student Accounts are free. Parent/Teacher Accounts are a nominal, annual fee – see pricing on our website.
16. **Can I use Discovery k12 if I live outside of the United States?** Yes. We have homeschoolers in almost every country. You would need to follow any policies/laws set by your state/province to homeschool.

## School Supplies & Software

We recommend the following school supplies and software.

### Supplies

- Lined paper appropriate for your grade level
- Pens and pencils
- Colored pencils (grades 2nd-12th)
- Crayons (grades K-1st)
- Paint supplies (watercolors, assortment of acrylic paints, paint brushes, small canvases (grades 3rd-12th)
- Drawing Paper
- Scissors
- Inches and metric ruler
- Glue sticks
- Protractor (grades 7-12)
- Construction Paper (grades K-2nd)
- Printer paper
- 2 to 3 Journal notepads (grades 2nd – 12th) used for creative or journal writing
- Grid paper for math (or you can print the Grid Paper worksheet in the lessons)
- Save a few household items such as empty toilet paper rolls, empty plastic bottles, fabric scraps, old buttons, things that can be used for arts and crafts projects

### Software (2nd grade and up)

- Word processor such as Microsoft Word, Pages, or Google Docs for writing essays and digital note-taking
- Slide Presentation software such as Power Point or Google Slides for weekly Language Arts presentations
- A place to store/archive digital work for grades 2nd-12th. We recommend getting a Google gmail account for yourself and each student. A gmail account will give each student Google Docs and Google Slides so they can create essays and presentations, and they can save their work directly to shared folders you've set up on your parent Google account.
- A digital drawing program (grades 3rd-12th) such as Photoshop, Corel Draw, [GIMP](#), or [FireAlpaca](#)

### 36 Weeks of STEM Supplies List

Supplies for each STEM project are inside Student Accounts on each STEM page.

## Homeschool Laws

Homeschooling is legal throughout the United States and in many other countries. Each state sets their own requirements, procedures, and legislation for homeschooling.

### **Homeschool Laws**

As an independent homeschooler, parents are responsible for any state filings and following state homeschooling policies. Check your state's [Homeschool Laws](#) for any procedures you may need to follow. For example, in California, parents that homeschool are required to file a private school affidavit annually so students are exempt from public school attendance and not considered truant. California parents are also required to have clear, daily attendance records for each student. It is also important to maintain immunization forms, even if you claim exempt.

### **See: [Homeschool Laws by State](#)**

If you have any questions about your state's homeschool procedures, policies, or laws, please consult your appropriate state agencies/parties or your legal counsel. The [HSLDA](#) (Homeschool Legal Defense Association) is a good resource if you have questions or need assistance.

We do not communicate directly with any schools, school districts, or state agencies, and it is the parents responsibility to handle anything they may require from you, including records and transcripts.

### **Create a Homeschool Legal Folder**

We recommend creating a homeschool legal folder to maintain any necessary documents to legally homeschool, should any person from your local school district check on your student's status or knock on your door. We are not attorneys and cannot provide legal advice. If you find yourself in a legal situation regarding homeschooling, we highly recommend contacting the HSLDA for representation. You should keep anything in your legal folder that your state may require such as: intent to homeschool form, current attendance report, list of subjects and curriculum being used, etc.

### **Create a Portfolio of Student Work**

Many parents will create a portfolio of each students work, selecting the best sample for each subject for the week. You can chronologically categorize your student's work samples by the week or subject. Portfolios are nice to have as a record and to look back on, and can be used if you need to present work for re-entry to public or private school or college entry. We recommend saving all student work for your records.

# Parent/Teacher Account

## Reporting & Curriculum Tools

The Parent/Teacher Account is an optional upgrade that provides detailed reporting and curriculum tools to assist you in homeschooling. The Parent/Teacher Account includes grade book, attendance tracking, reading log, Scope & Sequence of curriculum, test answer keys, create transcripts, produce certificates of completions and diplomas. A single parent account supports ALL of your student accounts.

The Parent/Teacher Account can be purchased here:  
<http://discoveryk12.com/dk12/parentteacher-account/>

The screenshot shows the Discovery K12 Parent/Teacher Account dashboard. At the top, there is a navigation bar with 'Parent/Teacher Account', 'Help', and 'Logout'. Below this is the Discovery K12 logo and a blue button labeled 'Online Homeschool'. The main content area is divided into two columns. The left column is titled 'Parent/Teacher Account' and includes a welcome message for 'Mary Smith!', an 'Announcements' section with instructions for new users, a link to 'Transcripts', and a section for 'MY STUDENTS: 2019-2020' with a note about updates. Below this, there are five student profiles, each with their name, grade, and a list of links for 'Attendance', 'Grade Book', 'Reading Log', 'PE Log', 'Digital Worksheets', 'What I Learned Today', 'Assessment Tests', 'Transcripts', and 'Enrollment Letter'. The right column contains several sections: 'Account Set Up' with links for 'Set Up Instructions', 'Parent Profile', 'Add / Manage Students', 'Course', 'Personalization', and 'Change Grade Levels'; 'Now Shipping!' with links for 'Order Your 2019-2020 Student ID Cards' and a small image; 'Curriculum Tools' with links for 'Scope & Sequence', 'Weekly Spelling Lists', and 'Quiz / Test Answers'; 'Apps' with links for 'Certificates & Diplomas' and 'Transcripts'; and 'Archived Grades' with a list of student names: 'John Smith', 'Alice Smith', 'Beth Smith', 'Carl Smith', and 'Mike Smith'.

## Help & Contacting Support

### New Accounts

For questions regarding new accounts, email: [info@discoveryk12.com](mailto:info@discoveryk12.com)

**If you did not receive your confirmation email**, need assistance retrieving your password, or an unlock request, please email [support@discoveryk12.com](mailto:support@discoveryk12.com) for assistance.

### Support

If you are an existing user and need technical support, login to your account and click “Help.” Complete the support request form. A support engineer will respond promptly. We typically respond to support request within a few hours, but during busy times, it may take up to 48 hours. We are extremely busy from July through September. We are not set up for phone support, but can assist via email. All support request should be sent to **SUPPORT@DISCOVERYK12.COM** and please email us from your email on file with us, or provide your email address that goes with your account(s).