

## NCS: Preschool/Pre-K Scope and Sequence

### Preschool: Pathways for Preschool

Children love to learn new things! Teaching your preschooler to love learning is the long-term goal of our preschool curriculum. *Pathways for Preschool* focuses on attending to the cognitive, social, emotional, physical, and spiritual development of the preschool child. By emphasizing a “Center-based,” hands-on approach to learning, the curriculum provides opportunities for each child to learn at their own developmental level and ability.

Curriculum covers and incorporates the following:

- \* Activity Packets that correlates with the *Pathways for Preschool* lessons, which include a variety of activities that reinforce the concepts that are taught in the unit lessons.
- \* Healthy Habits & Classroom Helpers (life skills/responsibility)
- \* Calendar, Weather & Seasons
- \* Listening, Language & Music
- \* Number and Letter Awareness & Recognition
- \* Shapes, Colors & Nursery Rhymes
- \* Scientific Investigation
- \* Cultural Knowledge

### Pre-K: FOOTSTEPS FOR FOURS

Teaching the preschooler to love learning is the long-term goal of these materials. *FOOTSTEPS FOR FOURS* focuses on engaging and strengthening the cognitive, social, emotional, physical, and spiritual development of the preschool child. Emphasis on a center-based, hands-on approach to learning enables each child to learn at his own development level and ability!

Curriculum covers and incorporates the following:

- \* Each child receives their own *ACTIVITY PACKET* and *WRITING PACKET* that correlates with lesson plans and excellent tool to reinforce information.
- \* Alphabet, Phonemic Awareness, Handwriting
- \* Music, Rhyme, and Rhythm
- \* Math, Counting, Sequencing and Patterns
- \* Calendar, Weather, Seasons
- \* Classroom Helpers (life skills/responsibility)

## NCS: Kindergarten Scope and Sequence

### Math: BJU Press

basic geometric shapes - 2-D and 3-D  
counting numbers 1-100  
counting by 2s, 5s and 10s  
Measurement - liquid and solid  
color recognition  
directionality - right, left, top, middle, bottom  
patterns  
telling time - digital and analog  
addition and subtraction  
money values

### Health and Science: BJU Press

4 seasons  
weather  
5 senses  
space  
natural science  
animals  
plants  
environment  
insects  
basic care of body  
tooth care  
exercise  
nutrition  
food groups  
heart  
brain  
bones  
muscles

### History/Social Studies: BJU Press

flag and pledge of allegiance  
country and state  
holidays and historical people  
home and family  
cultures and people groups  
community helpers and places  
city  
suburb  
town  
country  
presidents

directions  
perspective  
map keys  
cardinal directions  
geography and maps  
continents

### **Language Arts (Reading and Writing): BJU Press**

story structure  
active listening  
author and illustrator  
retelling stories  
fiction vs. Non-fiction  
setting, characters and plot  
compare and contrast  
predicting upcoming parts of a story  
punctuation  
basic parts of speech  
sentences writing  
letter and sound recognition  
blending letter sounds  
reading short vowels  
reading long vowels  
basic sight words  
independent reading  
small group reading  
proper handwriting techniques  
number writing 1 - 100  
letter writing  
uppercase a - z  
lowercase a - z  
cursive uppercase a - z  
cursive lowercase a - z  
creative writing and storytelling

### **Bible: Positive Action Curriculum**

interactive and strong visual concepts for Bible truths to be understood at the kindergarten level  
concepts of God's love, faithfulness, righteousness, healing and sovereignty are simplified so the students can digest the thought and put it into memory

### **Music, Theater and Arts**

Music: weekly music class teaches the students rhythm and new songs

Theater/Performance: songs, poems, scriptures are memorized as individuals and as an entire class and are performed at school assemblies and concerts.

Art: weekly art projects reflect holidays, seasons and special events

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play & Sportsmanship

## NCS: 1st Grade Scope and Sequence

### **Math: Arithmetic - A Beka**

Number recognition, counting, and writing 1-1,000  
Greatest and least  
Counting and writing by tens, fives, twos, and threes  
Number sequences  
Ordinal numbers  
Addition facts through 13 and three-digit addition with carrying  
Subtraction facts through 13 and two-digit subtraction  
Story problems  
Numbers before and after by ones, twos, tens, between numbers  
Counting and combining coins  
Telling time to the nearest five minutes  
Recognize odd and even numbers  
English and some metric measures  
Place value in ones, tens, and hundreds  
Unit fractions  
Reading a thermometer  
Using a ruler  
Multiple combinations  
Concept of multiplication  
Calendars  
Reading pictographs and bar graphs  
Developing listening skills  
Roman numerals

### **Science - Purposeful Design**

*Life Science*-Mammals, Fish, Birds, Insects

*Physical Science*-Movement, Machines

*Life Science*-Human Body, Teeth, Bones and Muscles, Heart and Blood, Lungs and Air, Stomach and Food

*Earth and Space Science*-Seasons, Space

### **Health, Safety, Manners- A Beka**

*Health*- Eating good foods, exercising, rest, posture, care of body, clothes, home

*Safety*- At home and away from home, on streets playgrounds, water

*Manners*- At home, school, church, public

### **History and Geography - A Beka**

*This Is My America*

My America's Flag, Freedoms

Symbols of My America

Great People of America

My America Grows, Talks, Travels, Is Beautiful, Sings

*This is My World*: various countries

## Language Arts - Bob Jones

### **Phonics and Reading**

Review of vowels, consonants, blends, one-and two-vowel words, consonant blends

Recognition and use of all phonics special sounds in reading

Spelling rules: doubling consonants, dropping silent e, changing y to i

Oral reading

### **Cursive Writing**

Review of letter formation

Weekly seatwork practice

### **Spelling**

Weekly phonics-based word list

Weekly test with phonics

Reinforcement activities

### **Language**

Capitalization of first word in a sentence, proper names, days of the week, and months of the year

Correct punctuation at the ends of sentences

Recognition of complete sentences

Words using suffixes, prefixes, syllables, compound words, rhyming words, opposite words, same meaning words, and contractions

Alphabetizing of words

Writing complete sentences and short stories

Creative writing

## Bible- Positive Action for Christ

### *Enjoying God's Gifts*

The world- story of creation

Special promises-the stories of Noah, Abraham, Jacob, and Joseph

Worship-Josiah and Joash

A savior- Stories of Jesus

Children- Samuel

Friends- David

Special Blessings- Elijah

(includes memory verses, hymns/choruses)

## Music, Theater and Arts

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music- filled Christmas and Spring performances.

Art is integrated into in multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

## Physical Education

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 2<sup>nd</sup> Grade Scope and Sequence

### Math: Arithmetic- A Beka

Number recognition, counting, and writing 1-10,000 and beyond, greatest and least, ordinal numbers  
Addition and Subtraction facts through 18, column addition, four-digit adding with carrying, four-digit subtraction with borrowing

Multiplication facts 0-5

Division facts 1-5

Story problems

Multiple combinations

Estimation

Rounding

Numbers before and after by ones, twos, threes, fours, fives, and tens

Counting and combining coins and bills

Telling time to the nearest minute

English and some metric measures

Drawing and measuring lines to one-half inch

Developing listening skills

Calendars

Place value to thousands

Unit fractions

Making change

Reading a thermometer, pictographs, bar graphs, and line graphs

Roman numerals

### Science-Purposeful Design

Life Science-plants, vertebrates, invertebrates, habitats

Physical Science-energy, light, heat

Human Body- sound and hearing, sight and touch, taste and smell

Earth Science- weather, ocean

### Health, Safety, Manners- A Beka

health- posture, nutrition, exercise, rest, cleanliness, diseases

Safety- at home and away from home, on streets, around water, during bad weather

Manners- politeness, kindness, cheerfulness, respect, thoughtfulness, thankfulness, patience, table and telephone

### History and Geography- A Beka

America, Our Home, flag, patriotic holidays, songs

The people Who Built America- the Separatists, The colonists, The New Americans, Tomorrows America,

America's Indians, Pioneers, Cowboys America

### Language Arts- Bob Jones

#### **Phonics and Reading**

Review of vowels, consonants, blends, one- and two-vowel words, consonant blends

Recognition and use of all phonics special sounds in reading

Spelling rules: doubling consonants, dropping silent e, changing y to i

Oral reading

## **Cursive Writing**

Review of letter formation

Guided creative writing

Creative writing journal

## **Spelling**

Weekly phonics-based word list, reinforcement activities and test

## **Language**

Capitalization of first word in a sentence, proper names, days of the week, and months of the year, special holidays, people, and places

Correct punctuation at the ends of sentences

Complete sentences, questions, and exclamations

Words using suffixes, prefixes, abbreviations, compound words, rhyming words, opposite words, same meaning words, singular and plural words, singular possessive words, and contractions

Alphabetizing words and other dictionary skills

Word usage rules

Writing complete sentences, questions, exclamations, letters, thank-you notes and short stories

Creative writing

## **Bible- Positive Action**

God gives us promises, creates the world, prepares a leader (Moses), delivers his people, guides his people (includes memory verses, hymns/choruses)

## **Music, Theater and Arts**

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music-filled Christmas and Spring performances.

Art is integrated into multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

## **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 3<sup>rd</sup> Grade Scope and Sequence

### **Math: Arithmetic**

Place value  
Addition (with carrying)  
Subtraction (with borrowing)  
Multiplication (with carrying)  
Division (with checking)  
English and metric measures  
Time  
Roman Numerals  
Story problems  
Solving algebraic sentences  
Converting measures and solving measurement sentences  
Money and money problems  
Introduction of fractions  
Averaging numbers  
Geometric shapes

### **Science and Health**

Life Science: ecosystems, insects/spiders, plants  
Physical Science: forces/machines, electricity/magnetism, moon, water/oceans, weathering/erosion, earth's resources  
Health: Digestion, bones, muscles

### **History and Geography**

Continents and oceans  
World Geography  
States and Capitals  
U.S. history taught through biographies (political figures, literary people...)

### **Language Arts**

#### **Reading and Phonics**

Review phonics rules  
Oral reading  
Reading Comprehension

#### **Spelling**

Weekly phonics based word lists  
Reinforcement activities

#### **Cursive Writing**

#### **Language**

Writing Process:  
Complete sentences  
Punctuation and capitalization rules  
Creative writing  
Friendly letters  
Grammar:  
Recognition of simple nouns, subjects, verbs, adjectives



Word usage

Plurals and contractions

Antonyms, synonyms, homonyms

Dictionary skills

### **Bible**

Study the lives of Abraham, Jacob, Joseph, and Daniel

Weekly Bible Memory Verses

### **Music, Theater and Arts**

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music-filled Christmas and Spring performances.

Art is integrated into in multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 4<sup>th</sup> Grade Scope and Sequence

### **Math: Arithmetic**

Place value of whole numbers and decimals  
Mastery of fundamental operations  
Story problems  
English and metric measures  
Converting measures and solving measurement equations  
Roman numerals  
Fractions: adding/subtracting/multiplying  
Estimation, averaging  
Factoring  
Divisibility rules  
Introduction of decimals  
Making change  
Solving algebraic equations  
Graphs and scale drawings  
Geometric shapes  
Perimeter and area  
Time lapse

### **Health and Science**

#### **Science:**

Plants/Insects/ Birds/ Fish  
Matter: Water, Air, Weather  
Energy/Sound/Hearing  
Geology: Planet Earth  
Oceanography  
Astronomy

#### **Health:**

Skeletal System  
Muscular System  
Respiratory System  
Teeth  
Skin

### **History and Geography**

Map study  
Minnesota State History  
Traditional state history from early explorers to the New World to early 2000's

### **Language Arts**

#### **Reading and Literature**

Oral reading  
Reading Comprehension  
Vocabulary building

#### **Language**

Writing Process

Sentence structure

Kinds of sentences

Punctuation

### **Penmanship**

#### **Spelling**

Capitalization

Weekly word lists based on phonics

Abbreviations, possessives and spelling rules

Letters

Reinforcement activities: Writing activities and assignments, Encyclopedia usage, Diagramming sentences,

Using troublesome words

### **Bible**

Life of Christ

Holy Spirit

Who He is

What He does

Fruit of the Spirit

Inner Character

Humility

Obedience

Trust

Forgiveness

Compassion

Courage

Life of Saul/Paul

Weekly Bible Memory Verses

### **Music, Theater and Arts**

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Art is integrated into in multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 5<sup>th</sup> Grade Scope and Sequence

### Mathematics

1. **Number sense:** place value, decimals, integers, roman numerals and prime numbers
2. **Calculation:** addition/multiplication properties, estimation, rounding, algebra, exponents and order of operation
3. **Geometry:** lines, angles, perimeter, area and volume
4. **Fractions:** equivalent, comparison, (im)proper, mixed numbers, factors and prime factorization
5. **Measurement:** English, Metric, conversion, comparison and estimation
6. **Word Problems:** writing equations and solving for variables
7. **Ratio, Proportions, Percent:** setting up ratios and proportions and converting fraction/decimal to percent
8. **Graphing and Statistics:** use data for various kinds of graphs and frequency tables

### Health/Science: 5<sup>th</sup> & 6<sup>th</sup> Grades

Course Type: Rotational Curriculum covering earth, physical, and life sciences: alternating 5<sup>th</sup>/6<sup>th</sup> grade curricula  
Philosophy Statement: For the upper elementary student, studying science from a Biblical world view is a key foundational tool in life. This helps the student understand that all truth, whether scriptural or scientific, comes from God. All things revealed to us in our scientific investigations will then point us back to our Creator God, and give Him all the honor and glory.

Description: This rotational science course is designed to expose and introduce the upper elementary student to the three main disciplines of science; earth, physical, and life. It is designed to prepare the student for more rigorous study at the middle and high school level while maintaining an excited interest in the world God made, and help to help the student practice skills needed later in academic life. The course will alternate between 5<sup>th</sup> and 6<sup>th</sup> grade Christian curricula each year to meet the needs of a combined 5<sup>th</sup> and 6<sup>th</sup> grade class.

Textbooks/Materials: Science 5 text and student manual, BJU Press and Science 6 text and student manual, BJU Press

Course Content/Outline: 5<sup>th</sup> Grade: 1. Out of the Earth – minerals, rocks, fossils, and dinosaurs; 2. From the Beginning – matter, energy and heat; 3. Because of the Climate – weather, climate, and biomes; 4. In Perfect Balance – interactions and changes in an ecosystem; 5. By Waves of Energy – sound and light; 6. Inside the Body – respiratory system and circulatory system; Special Projects: 2<sup>nd</sup> Semester – yearly rotation of science fair, inventors fair, and celebration of nations

### History: 5<sup>th</sup>/6<sup>th</sup> Grade Rotation of US Heritage and World Heritage Studies – BJU

#### US Heritage:

Our US Heritage curriculum continues the narrative of American history from the development of the automobile in the late 1800s through the inauguration of President Obama in 2009. Topics are presented from a biblical perspective and include the invention and influence of the automobile and airplane, World War I, the Roaring Twenties, the Great Depression, World War II, the Vietnam War, struggles over civil rights, the war on terror, Afghanistan and Iraq wars, and immigration decisions.

Units of Study:

Globe and maps

Early Development of the automobile and airplane

World War I

State Studies

The Roaring Twenties

Why prices go Up

The Great Depression

World War II

Recovery and the Cold War

A New Millennium

### **World Heritage:**

Tour the lands, peoples and cultures of ancient civilizations. Learn the history and influences of these people groups on religion and the world today. Expand worldview as students compare ancient beliefs and religions with Christianity. Students will enrich critical thinking skills through the use of maps, charts, primary sources and activities.

1. Historical artifacts, places, and people from Ancient Civilizations
2. Great rules of the past as well as the beliefs and accomplishments of previous civilizations
3. Ancient civilizations: Mesopotamia, Egypt, Israel, Indian, China, Greece, Rome, the Mayans, Africa, Japan, Byzantine, Middle Ages

### **Language Arts**

#### **Spelling:**

Each Lesson has 23 words: 12 Pattern, 7 content, 4 Vocabulary

Focus on prefixes, roots, and suffixes

Short and Long Vowels

Words with y, /o/ and diphthongs

Schwa in unstressed syllables

Homophones

Homographs

Endings

VCCV

R-controlled

Prefixes

Suffixes

Plurals

Variant consonant endings

Latin and Greek roots

Extra words for enrichment

#### **Grammar Composition**

1. Sentence structure
2. Punctuation
3. Paragraph structure
4. Steps in research
5. 6 Parts of speech
6. Creative Writing

#### **Excellence in Writing**

These concepts are integrated into creative writing, study skills and research

### **Bible: Positive Action Bible Curriculum**

1. Possessing the Land. A survey of the Old Testament is the basis of this study. Beginning in Genesis, students will gain much clearer perspective of how the stories of the Old Testament fit together in one pattern.
2. Young people will learn that they can find answers in the Word of God for themselves.
3. Scriptures are used as a study guide for the following purposes:
  - \*study the history of God's dealing with mankind
  - \*to understand how God thinks
  - \*to analyze the lives of Bible characters for personal examples of how God

deals with individuals

\*to study a variety of Bible topics

4. All lessons ultimately focus on the development of internal character as discussed in the Romans 8:28-29.
5. A pattern of Scripture memorization is developed through memorization and application activities.
6. Active Prayer life is encouraged.
7. An understanding of the land of Israel is gained through map work

### **Music, Theater and Arts**

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music- filled Christmas and Spring performances.

Art is integrated into in multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 6<sup>th</sup> Grade Scope and Sequence

### Math

1. **Number sense** patterns, decimals, integers, roman numerals and prime numbers
2. **Calculation:** addition/multiplication properties, estimation, rounding, algebra, exponents, multiples to power of ten, square roots and order of operation
3. **Geometry:** lines, angles, perimeter, area, surface area, volume and symmetry
4. **Fractions:** equivalent, comparison, greatest common factors, least common multiples, cross cancelation and prime factorization
5. **Measurement:** English, Metric, conversion, comparison and estimation
6. **Word Problems:** writing equations in algebraic format, solving for variables and inequalities
7. **Ratio, Proportions, Percent:** setting up ratios and proportions, converting fraction/decimal to percent, distance/time/speed and scale conversions
8. **Graphing and Statistics:** use data for various kinds of graphs and using frequency tables
9. **Probability:** theoretical, space, experiment, fair/unfair and independent/dependent
10. **Integers:** positive/negative numbers in comparison, equations and real life problems

### Health/Science: 5<sup>th</sup> & 6<sup>th</sup> Grades:

1. Course Type: Rotational Curriculum covering earth, physical, and life sciences: alternating 5<sup>th</sup>/6<sup>th</sup> grade curricula
2. Philosophy Statement: For the upper elementary student, studying science from a Biblical world view is a key foundational tool in life. This helps the student understand that all truth, whether scriptural or scientific, comes from God. All things revealed to us in our scientific investigations will then point us back to our Creator God, and give Him all the honor and glory.
3. Description: This rotational science course is designed to expose and introduce the upper elementary student to the three main disciplines of science; earth, physical, and life. It is designed to prepare the student for more rigorous study at the middle and high school level while maintaining an excited interest in the world God made, and help to help the student practice skills needed later in academic life. The course will alternate between 5<sup>th</sup> and 6<sup>th</sup> grade Christian curricula each year to meet the needs of a combined 5<sup>th</sup> and 6<sup>th</sup> grade class.
4. Textbooks/Materials: Science 5 text and student manual, BJU Press and Science 6 text and student manual, BJU Press
5. Course Content/Outline: 5<sup>th</sup> Grade: 1. Out of the Earth – minerals, rocks, fossils, and dinosaurs; 2. From the Beginning – matter, energy and heat; 3. Because of the Climate – weather, climate, and biomes; 4. In Perfect Balance – interactions and changes in an ecosystem; 5. By Waves of Energy – sound and light; 6. Inside the Body – respiratory system and circulatory system; 6<sup>th</sup> Grade: 1. A Changing Earth - earthquakes, volcanoes, weathering and erosion, natural resources; 2. God’s Living Creation – cells, animal classification, and plant classification; 3. Energy in Motion – atoms and molecules, electricity and magnetism, motion and machines; 4. Beyond Our Earth – stars and the solar system; 5. God’s Continuing Plan – plant and animal reproduction, heredity and genetics; 6. Our Intricate Bodies – nervous system and immune system
6. Special Projects: 2<sup>nd</sup> Semester – yearly rotation of science fair, inventors fair, and celebration of nations

### History: 5<sup>th</sup>/6<sup>th</sup> Grade Rotation of US Heritage and World Heritage Studies – BJU

#### US Heritage:

Our US Heritage curriculum continues the narrative of American history from the development of the automobile in the late 1800s through the inauguration of President Obama in 2009. Topics are presented from

a biblical perspective and include the invention and influence of the automobile and airplane, World War I, the Roaring Twenties, the Great Depression, World War II, the Vietnam War, struggles over civil rights, the war on terror, Afghanistan and Iraq wars, and immigration decisions.

### **World Heritage:**

Tour the lands, peoples and cultures of ancient civilizations. Learn the history and influences of these people groups on religion and the world today. Expand worldview as students compare ancient beliefs and religions with Christianity. Students will enrich critical thinking skills through the use of maps, charts, primary sources and activities.

4. Historical artifacts, places, and people from Ancient Civilizations
5. Great rules of the past as well as the beliefs and accomplishments of previous civilizations
6. Ancient civilizations: Mesopotamia, Egypt, Israel, Indian, China, Greece, Rome, the Mayans, Africa, Japan, Byzantine, Middle Ages

### **Language Arts**

#### **Spelling:**

Each Lesson has 23 words: 12 Pattern, 7 content, 4 Vocabulary

Focus on prefixes, roots, and suffixes

Short and Long Vowels

Words with y, /O/ and diphthongs

Schwa in unstressed syllables

Homophones

Homographs

Endings

VCCV

R-controlled

Prefixes

Suffixes

Plurals

Variant consonant endings

Latin and Greek roots

Extra words for enrichment

#### **Grammar Composition:**

4. Sentence structure
5. Punctuation
6. Paragraph structure
7. Steps in research
8. 6 Parts of speech
9. Creative Writing

#### **Excellence in Writing**

These concepts are integrated into creative writing, study skills and research

### **Bible: Positive Action Bible Curriculum**

1. Students will discover how various Bible characters strove to win the race that God set for them.
2. Overview of the New Testament
3. Eschatology from the Book of Revelation



### **Music, Theater and Arts**

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music-filled Christmas and Spring performances.

Art is integrated into multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: 7<sup>th</sup> Grade Scope and Sequence

### Math: Pre-Algebra

1. **Integers:** positive/negative numbers, absolute value, calculation, exponents, order of operations and scientific notation
2. **Expressions:** properties of addition/multiplication, evaluating variables, select operations and translate word phrases
3. **Basic Equations and Inequalities:** two-step equations and solve linear inequalities.
4. **Number Theory:** prime / composite numbers, greatest common factors, least common multiples, sequencing and patterning
5. **Rational Numbers:** decimals, ratios, proportions, simplify algebraic expressions
6. **Percent:** forms, scales, discounts, mark-ups, commission and interest
7. **Apply equations and inequalities:** variables on one side, variables on both sides of equal sign and write/apply equations
8. **Relations and Functions:** coordinate planes; make a table, functions, graph, slope-intercept and direct variations.
9. **Statistics and Probability:** measures, diagrams, graphs, permutations, combinations and independent/dependent events
10. **Radicals:** square roots, Pythagorean Theorem and cube roots
11. **Geometry:** figures, diagrams, polygons, perimeter, circumference, similarity and surface area/volume of shapes or similar regions
12. **Polynomials:** calculate polynomials, binomials and monomials

### Health/Science: 7<sup>th</sup>/8<sup>th</sup> Grade Rotation

Course Type: one time per grade 7<sup>th</sup> Grade – Life Science 8<sup>th</sup> Grade – Earth Science

Philosophy Statement: Scientific investigation, using the scientific method, is a human responsibility to observe the creation God placed us in and to develop our revelation of who God is and our appreciation of Him. The objectives of these courses are to introduce the concepts of studying life science from the perspective of what God has said about life and living things, as well as giving the student a greater appreciation of God's power and understanding of the physical world which He created and continues to sustain. Training the student to think critically is also an important goal.

Description: These courses are designed to be middle school survey/overview courses covering all the major areas of the biological sciences in 7<sup>th</sup> grade as well as the four spheres of the earth in 8<sup>th</sup> grade, always stressing a Biblical world view and based on a young-earth creationistic viewpoint.

Textbooks/Materials: Life Science – BJU Press and Earth Science – BJU Press; Life Science and Earth Science Student Activities/Lab Activities – BJU Press

7<sup>th</sup> Grade Life Science: 1. Foundations of Life Science - dominion mandate, classification, cells and their structure; 2. Heredity and the Origin of Life - cell division, genetics and genetic changes, and Biblical Creationism vs. biological evolutionism; 3. Microbiology and Plant Biology; 4. Concepts in the Animal Kingdom - invertebrate study, vertebrate study, animal behavior, and animal sexual reproduction; 5. The Environment - the ecosystem, the biotic community, organism relationships, and natural resources; 6. Structure and Function of the Human Body – support, movement, internal balance, energy, and control

8<sup>th</sup> Grade Earth Science: 1. Intro to Earth Science – shaping worldview, graphing and mapping skills, matter, forces, and energy; 2. The Restless Earth – geology, evidence for design, earth's structure, natural resources, the changing earth, earthquakes, tectonics, topography, and volcanoes; 3. Earth's Rocky Materials – minerals, ores, classifying rocks, fossils, paleontology, fossil fuels, weathering, erosion and soils; 4. The Water World – oceans, seas, ocean motions, oceanography, surface waters and groundwater; 5. The Atmosphere –

atmosphere zones, meteorology, climatology; 6. The Heavens – sun, moon and earth system, solar system, stars, galaxies and the universe, space exploration.

Special Projects: 2<sup>nd</sup> Semester – yearly rotation of science fair, inventors fair, and celebration of nations

## History

Creation History Review

Coming of Christ

Chronological journey around the world

Study of the ebb and flow of empires, cultures, Christianity and world religions

Examination of the trends of the emerging 21<sup>st</sup> century.

## Language Arts

### **Spelling – Abeka**

Each lesson has 20 spelling words and 7 vocabulary words

Students will cover 36 lists that include words with Four Spelling Rules to Master and Keys to Good Spelling.

Compound words and words with prefixes

Frequently misspelled words

Words ending in ence, ance, ency, ancy, ant

Words ending in er, or and able

Homophones

### **Grammar and Composition 7**

Manuscript Form

Capitalization

Summaries

Punctuation

Outline

Book Reports

The Sentence and Structure

8 Parts of Speech and their uses

Writing Descriptions

The Research Paper

Improving Writing Style

## Bible – Positive Action Bible Curriculum (7<sup>th</sup>/8<sup>th</sup> Grade Rotation)

### **1<sup>st</sup> Year Rotation** - *Wise Up: Wisdom in Proverbs*

In middle school, young people face more and more decisions on their own. Soon they find that their new freedoms are followed by greater responsibility and higher expectations. *Wise Up* encourages your students to study the wisdom of God in Proverbs with supporting material drawn from the rest of Scripture.

### **2<sup>nd</sup> Year Rotation** - *Route 66: Travel Through the Bible*

This study provides a basic introduction to the structure and themes of the Word of God. As students journey through this fast-moving survey they will discover the truths and applications that God has provided in each book the Bible. God's gracious work is clear – from Creation to the cross to the consummation of time.

## Music, Theater and Arts

Music class is offered once weekly, but is also integrated into multiple other subjects such as Bible memory, songs of heritage for history class, and several others. All students also participate in music-filled Christmas and Spring performances.

Art is integrated into in multiple subject areas. Not only do students work on age-appropriate art projects, but they also use a variety of art forms and mediums to learn in multiple subjects, such as science, health, history

and Bible.

Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

### **Physical Education**

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## 8<sup>th</sup> Grade Scope and Sequence

### Math: Algebra 1

1. **Connections to Algebra:** Variables, exponents, order of operation, inequalities, math words, problem solving functions with input/output tables
2. **Properties of Real Numbers:** Integers of positive/negative for graphing, comparison, absolute value, calculation, distribution and combination
3. **Linear Equations:** Write equations, inverse/distributive, decimals, formulas, ratios, rates, percents and graph point slope intercept lines
4. **Graph Equations and Functions:** Coordinate planes, horizontal/vertical, slope, direct variation and functions
5. **Graph Inequalities:** solve equations using multi-steps and absolute value
6. **Systems of Linear:** substitution and combination for solving problems
7. **Exponential Functions and Quadratics:** square roots, radicals, graph and discriminates
8. **Polynomials and Factoring:** special products using FOIL
9. **Rational Expressions:** Proportions and direct/inverse variation
10. **Radicals and Connections to Geometry:** Square roots, Pythagorean Theorem, Converse, distance and midpoint

### Health/Science: 7<sup>th</sup>/8<sup>th</sup> Grade

Course Type: one time per grade 7<sup>th</sup> Grade – Life Science 8<sup>th</sup> Grade – Earth Science

Philosophy Statement: Scientific investigation, using the scientific method, is a human responsibility to observe the creation God placed us in and to develop our revelation of who God is and our appreciation of Him. The objectives of these courses are to introduce the concepts of studying life science from the perspective of what God has said about life and living things, as well as giving the student a greater appreciation of God's power and understanding of the physical world which He created and continues to sustain. Training the student to think critically is also an important goal.

Description: These courses are designed to be middle school survey/overview courses covering all the major areas of the biological sciences in 7<sup>th</sup> grade as well as the four spheres of the earth in 8<sup>th</sup> grade, always stressing a Biblical world view and based on a young-earth creationistic viewpoint.

Textbooks/Materials: Life Science – BJU Press and Earth Science – BJU Press; Life Science and Earth Science Student Activities/Lab Activities – BJU Press

7<sup>th</sup> Grade Life Science: 1. Foundations of Life Science - dominion mandate, classification, cells and their structure; 2. Heredity and the Origin of Life - cell division, genetics and genetic changes, and Biblical Creationism vs. biological evolutionism; 3. Microbiology and Plant Biology; 4. Concepts in the Animal Kingdom - invertebrate study, vertebrate study, animal behavior, and animal sexual reproduction; 5. The Environment - the ecosystem, the biotic community, organism relationships, and natural resources; 6. Structure and Function of the Human Body – support, movement, internal balance, energy, and control

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Special Projects: 2<sup>nd</sup> Semester – yearly rotation of science fair, inventors fair, and celebration of nations

## History: The American Republic - BJU

Colonization  
Establishing of a Nation  
Westward Expansion  
Civil War  
Reconstruction  
Industrialism  
Progressivism  
World War I and II  
Cold War  
The Sixties  
The Conservative Surge  
A New Millennium

## Language Arts

### **Grammar Composition**

Manuscript form  
Punctuation  
Book Reports  
Outlines  
The sentence  
The paragraph  
8 Parts of speech  
Improving writing style

## Bible – Positive Action Bible Curriculum (7<sup>th</sup>/8<sup>th</sup> Grade Rotation)

### **1<sup>st</sup> Year Rotation** - *Wise Up: Wisdom in Proverbs*

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This study provides a basic introduction to the structure and themes of the Word of God. As students journey through this fast-moving survey they will discover the truths and applications that God has provided in each book the Bible. God's gracious work is clear – from Creation to the cross to the consummation of time.

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Theater, drama and presentation skills are also emphasized. Applications include chapel presentations, skits, and presentations such as speech meets, history fairs and science/inventors fairs.

## Physical Education

1. Age-appropriate physical activity, to include large and small muscle groups
2. Team Play
3. Sportsmanship

## NCS: High School Scope and Sequence (Grades 9-11)

### **Math**

#### **Algebra II**

Tools of Algebra

Linear Equations and Functions

Systems of Linear Equations

Inequalities and Absolute Value

Quadratic Functions and Factoring

Polynomials and Functions

Powers, Roots and Radicals

Exponential and Logarithmic Functions

Rational Equations and Functions

Data Analysis and Probability

Discrete Mathematics

Introduction to Trigonometry

Conic Sections

#### **Geometry**

Basic Geometry

Segments and Angles

Parallel and Perpendicular Lines

Triangle Relationships

Congruent Triangles

Quadrilaterals

Similarity

Polygons and Area

Surface Area and Volume

Right Triangles and Trigonometry

Circles

#### **Consumer Mathematics**

Math Skills

Measurement

Income

Budgeting

Personal Banking

Borrowing Money

Transportation

Food

Clothing

Acquiring Housing

Maintaining a Home

Life and Health Insurance

Income Taxes

Vacations

#### **Statistics**

Graphing, Plots, Spreadsheets

Data and Analysis

Probability

## **Business Math**

Starting a Business

Maintaining a Business

Money and Taxes

## **Health/Science**

Grade: 9/10/11 Requirements

Prerequisites: None

Credits: 1 per year

Philosophy Statement: Scientific investigation, using the scientific method, is a human responsibility to observe the creation that God placed us in, and to develop our revelation and appreciation of Him through the study of life and the universe. There can be no separation of secular and spiritual truth. All things revealed to us in our scientific investigations necessarily point us back to God. The intricate laws by which the universe continues to exist at His Word can only point to a sovereign, creator God, and deepen our sense of awe for him. (Heb. 1:3 and Col. 1:17)

Description: Physical Science is designed to introduce the student to the basic principles found in physics and chemistry, as well as guiding the student in mastering the metric system. Understanding God's design and purpose in creation is the ultimate goal. Biology is designed to show God's power and glory in creation as the student learns cellular biology, genetics, taxonomy, microbiology, botany, zoology, ecology, and human anatomy and physiology. Students are pointed to Scripture as the ultimate authority when studying creation and evolution, and other controversial subjects.

Textbooks/Materials: Physical Science: Physical Science – BJU Press, Physical Science Laboratory Manual – BJU Press, and Physical Science Laboratory DVD Demonstrations; Biology: Biology: God's Living Creation – A Beka Book with accompanying Field and Laboratory Manual OR Biology (Student Text) – BJU Press, Biology Lab Manual – BJU Press

Course Content/Outline: Intro to Physics: 1. Foundations of Physical Science – Biblical world view in science, maps and models, scientific methodology, particle model of matter, changes in and states of matter, measurements including mastery of metric system; 2. Mechanics in forms of kinematics and dynamics, energy, work and simple machines, fluid mechanics, and thermodynamics; 3. Engineering; 4. Electromagnetism – electricity and magnetism; 5. Periodic Phenomena – periodic motion and waves, sound, electromagnetic energy, and light and optics; Intro to Chemistry: 1. Foundations of Physical Science – Biblical world view in science, maps and models, scientific methodology, particle model of matter, changes in and states of matter, measurements including mastery of metric system; 2. The Structure of Matter – the atom, its structure and properties, elements and the periodic table; 3. Introduction to Chemistry – bonding and compounds, chemical reactions, mixtures and solutions, and acids, bases, and salts; Biology: 1. Botany – structure and function of plants; 2. Human Anatomy and Physiology – purpose and design of the human body; 2. Life Sciences – methodology and philosophy including evolution vs. creation according to the Genesis record; 3. Zoology – variety and design in the animal world; 4. Cellular and Molecular Biology – the complexity of living things including cytology, heredity, and DNA

Special Projects: 2<sup>nd</sup> Semester – yearly rotation of science fair, inventors fair, and celebration of nations

## **Health/Science Electives**

Grade: 9 - 12 Creation Science Apologetics

Prerequisite: None

Course Type: Elective high school course; foundational one-time course offered at any grade level with optional on-going material offered yearly

Credit: one half credit (meets once a week all year)

Philosophy Statement: Every Christian student of God's Word and His Creation needs to be equipped with the Truth about the origin of the Universe in a way that shows scientific evidence supporting the Biblical account of



creation. Every believer needs to be able to show himself approved and be ready to answer for the hope that is within him. It should not be assumed that our students understand and are prepared to face the onslaught of controversy concerning the conflict of creation vs. evolution when they leave this institution and enter the educational or marketplace arena of the world.

Description: This course is designed to encourage the student to develop a Christian Biblical worldview through the study of God's creation according to His Word versus the current conflicting evolutionary theories presented as fact by the scientific world. The student is able to understand the discussions with or without any background in science. Emphasis is placed on understanding that all theories of origins are based on faith, which influences one's interpretation of the facts.

Textbooks/Materials: The Bible, The Evolution of a Creationist – by Jobe Martin, current and recent publications from Answers in Genesis and The Institute for Creation Research, various DVD's supporting the Biblical account of creation

Course Content/Outline: Topics included (but not limited to) are: 1. Does it matter what we believe? 2. Assumptions Made by Evolutionists; 3. Faith Based Systems and Interpretations; 4. The Facts about Missing Links; 5. Claims of Human Evolutionary Ancestry; 6. Creation Week Theories; 7. Dinosaurs and the Flood; 8. The Truth about Mutations; 9. Age of the Earth; 10. Textbook Deceptions to Watch For

### **Other High School Science Electives**

All advanced high school science courses offered at this time are electives and would be taken as on-line courses with available tutoring and direction from our current science teacher. Each course would receive 1 credit of Science toward graduation requirements. Other options include Post-Secondary Educational courses taken off campus.

### **History: World History - BJU Press**

Follows the whole history from a Christian perspective, using Bible as the lens through which students explore God's providence in the affairs of men.

Units cover:

Ancient

Eastern

Medieval

Awakening

Enlightened

European

Modern world

### **Economics: BJU Press**

Economics covers the financial concerns of the country, businesses, and the home, with scriptural principles applied to all areas.

Units cover:

Law of supply and demand

Circular flow of income and products

Use of money

Banking

Government Intervention

Free Market Ideals

Business competition

Unemployment

Productivity

Inflation

## Language Arts

### Literature in Christian Perspective

Literature Study

Christian Character

Biblical Worldview

Spiritual Discernment

Appreciation of Beauty

### Text Topics

Truth and Wisdom

Courage

Humility

Justice

Temperance

Christmas

Joy and Peace

Beauty

Faith and Hope

Love

Time and Eternity

### Poetry Selections

### Oral Reading

### Literary Discussion

### Grammar Composition: ABeka

Manuscript Form

Mechanics

Making an Outline

Book Report- Written and Oral

The Sentence- Improving Style

Summaries

All parts of speech and their uses/clauses

Writing Descriptions

Research Paper

### Biblical Worldview Study:

*How Now Shall We Live*- Colson/Pearcy

## Bible

1. 'The Life of Christ – From the Gospel of John': Students venture on a journey through the Gospel of John, and develop a deeper knowledge of and relationship to Christ. The study includes studying maps, photographs and re-creations of Biblical landmarks. The *Life of Christ* examines the ministry and work of God's Son within Israel's historical and geographical context.
2. 'Behold Your God – Magnify His Majesty': This study has one purpose – to encourage students to know their God. By presenting the Bible as God's self-revelation, *Behold Your God* magnifies the character and work of the Father, Son, and Holy Spirit. Students learn how to know and love God, they will discover the true reasons to follow and serve Him.
3. 'The Christian Adventure – A Bible Study from Pilgrim's Progress': This story has been read and studied by Christians around the world. The *Pilgrim's Progress* has now been made into an intriguing and practical study. Students learn alongside the character Christian as he discovers the value of God's Word through his fateful journey.

4. 'Proverbs – The Fountain of Life': Solomon wrote in Proverbs that the fear of the Lord is the beginning of wisdom. This study will confront students with the biblical definition, showing them how they can, with God's help, apply His wisdom in each decision through high school and beyond.

### **Music, Theater and Arts**

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### **Physical Education**

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5. Team Play
6. Sportsmanship