Bridgedale Academy

2015-2016 Curriculum



Sixth Grade

ENGLISH LITERATURE

REQUIRED TEXTS:

Colum, Padraic. *The Children's Homer*. New York: Aladdin, 2004. De Angeli, Marguerite. *The Door in the Wall*. New York: Laurel Leaf, 1998. Gipson, Fred. *Old Yeller*. New York: Harper Perennial Modern Classics, 2001. Morrow, Honore. *On to Oregon*. New York: HarperCollins, 1991. Sperry, Armstrong. *Call It Courage*. New York: Aladdin, 1990. Yates, Elizabeth. *Amos Fortune*. New York: Puffin, 1989.

<u>WEEK</u> 1-6	<u>TOPIC</u> Old Yeller
7-12	Call It Courage
13-18	Amos Fortune
19-24	The Door in the Wall
25-29	On to Oregon

30-36 The Children's Homer

GRAMMAR AND MECHANICS

REQUIRED TEXT:

Prentice Hall. Writing and Grammar: Grammar Exercise Workbook Grade 6. Boston, MA: Prentice Hall, 2010. Warriner, John E. English Composition and Grammar: First Course. Orlando, FL: Harcourt Brace Jovanovich, 1988.

WEEK TOPIC

- 1 Chapter 1: Writing and Thinking: The Writing Process
- 2 Chapter 7: Writing Letters
- 3-4 Chapter 10: The Sentence

- 5-6 Chapter 11: Nouns, Pronouns, Adjectives
- 7-8 Chapter 12: Verbs, Adverbs, Prepositions, Conjunctions, Interjections
- 9-10 Chapter 17: Agreement
- 11-12 Chapter 22: Capital Letters
- 13-14 Chapter 2: Writing Paragraphs: Structure and Development
- 15-16 Chapter 8: Writing Complete Sentences
- 17-18 Chapter 13: Complements
- 19-20 Chapter 14: The Phrase
- 21-22 Chapter 15: The Clause
- 23-24 Chapter 18: Using Verbs Correctly
- 25-26 Chapter 23: Punctuation: End Marks, Commas, Semicolons, Colons
- 27-28 Chapter 3: Writing Paragraphs: Four Types of Paragraphs
- 29-30 Chapter 9: Writing Effective Sentences
- 31-32 Chapter 16: The Kinds of Sentence Structure
- 33 Chapter 19: Using Pronouns Correctly
- 34 Chapter 20: Using Modifiers Correctly
- 35 Chapter 24: Punctuation: Italics, Quotation Marks, Apostrophes, Hyphens
- 36 Chapter 21: Glossary of Usage

VOCABULARY

REQUIRED TEXT:

Hodkinson, Kenneth and Sandra Adams. Wordly Wise 3000, Book 7. Cambridge, MA: Educator's Publishing Service, Inc.,

WEEK	TOPIC

- 1-2 Lesson 1, Exercises A-E, Test 1
- 3-4 Lesson 2, Exercises A-E, Test 2

- 5-6 Lesson 3, Exercises A-E, Test 3 7-8 Lesson 4, Exercises A-E, Test 4 9-10 Lesson 5, Exercises A-E, Test 5 11-12 Lesson 6, Exercises A-E, Test 6 13-14 Lesson 7, Exercises A-E, Test 7 15-16 Lesson 8, Exercises A-E, Test 8 17-18 Lesson 9, Exercises A-E, Test 9 19-20 Lesson 10, Exercises A-E, Test 10 21-22 Lesson 11, Exercises A-E, Test 11 23-24 Lesson 12, Exercises A-E, Test 12 25-26 Lesson 13, Exercises A-E, Test 13 27-28 Lesson 14, Exercises A-E, Test 14 29-30 Lesson 15, Exercises A-E, Test 15 31 Lesson 16, Exercises A-E, Test 16 32 Lesson 17, Exercises A-E, Test 17
- 33 Lesson 18, Exercises A-E, Test 18
- 34 Lesson 19, Exercises A-E, Test 19
- 35-36 Lesson 20, Exercises A-E, Test 20

SPELLING

REQUIRED TEXTS:

Woodruff, G. Willard and George N. Moore. *Working Words in Spelling, Level G.* Boston, MA: D.C. Heath & Co., 1998.

WEEK	TOPIC
1	Lesson 1
2	Lesson 2

3	Lesson 3
4	Lesson 4
5	Lesson 5
6	Lesson 6, Review
7	Lesson 7
8	Lesson 8
9	Lesson 9
10	Lesson 10
11	Lesson 11
12	Lesson 12, Review
13	Lesson 13
14	Lesson 14
15	Lesson 15
16	Lesson 16
17	Lesson 17
18	Lesson 18, Review
19	Lesson 19
20	Lesson 20
21	Lesson 21
22	Lesson 22
23	Lesson 23
24	Lesson 24, Review
25	Lesson 25
26	Lesson 26

27	Lesson 27
28	Lesson 28
29	Lesson 29
30	Lesson 30, Review
31	Lesson 31
32	Lesson 32
33	Lesson 33
34	Lesson 34
35	Lesson 35
36	Lesson 36, Review

PENMANSHIP

SUGGESTED TEXTS:

Zaner-Bloser. *Handwriting: A Way to Self-Expression*, Grade 8. Columbus, OH: Zaner-Bloser 1991. Zaner-Bloser. *Handwriting: Book 6*. Columbus, OH: Zaner-Bloser, 2003.

- WEEKTOPIC1-2Unit 1: Getting Started3-12Unit 2: Writing in Cursive
- 13-24 Unit 3: Using Cursive Writing
- 25-36 Continued Practice

SPANISH I

REQUIRED TEXTS:

Text Book: All Bilingual Press, LLC – Espanol para chicos y grandes Second Edition Level 1 – Rita Wirkala Grammar and Exercises Manual: All Bilingual Press, LLC - Rita Wirkala

WEEK TOPIC

1 Alphabet

	Trying words with accent mark and pronunciation Asking names and spelling Introducing yourself Grammar and Vocabulary
2	Greetings friends, classmate and adults appropriately, asking how they feels Expressing feelings Saying Good bye Grammar and vocabulary
3	Naming Spanish speaking countries Learning continents and nationality Grammar and vocabulary
4	Numbers Key Questions Asking phone numbers Grammar and vocabulary
5	Colors Identifying colors Using feminine and masculine adjectives Grammar and vocabulary
6	Identifying things around the classroom Using here, there and other locations Describing objects around the classroom Grammar and vocabulary
7	Introducing personal pronouns Introducing basic verbs and conjugations Using basic statements
8	Days of the week Asking about weekly events Talking about weekly appointments Grammar and vocabulary
9	Talking about Christopher Columbus More numbers Asking for and indicating time, including hours, half hours, quarter hours and minutes
10	Asking and saying when certain events are scheduled Talking about appointments Months of the year

	Grammar and vocabulary
11	Identifying weather Talking about climate and seasons Grammar and vocabulary
12	Animals Describing animals Grammar and vocabulary
13	Identifying family Describing family members Talking about Family birthdays and events
14	Review of family members Introducing other relatives Grammar and vocabulary
15	Body Parts Introduction to daily activities Reading and comprehension about daily activities
16	Talking about food and beverages Identifying Breakfast, Lunch, Snack and Dinner Grammar and vocabulary
17	Review of food and beverages Saying you are hungry and Thirsty Offering food and drinks Grammar and vocabulary
18	Introducing things and objects on the table Talking about what it is for? Grammar and vocabulary
19	Review of food, beverage and table Identifying food in the grocery store Asking how much is it? Grammar and vocabulary
20	Identifying beverages Ordering beverages and food in a food stand and restaurant Special project
21	Clothing Latin American clothing (boys and girls)

	Talking about sizes Grammar and vocabulary
22	My House Identifying rooms Grammar and vocabulary
23	Review of my house Identifying and describing furniture and appliances Reading and comprehension
24	My Town Discovering around town Likes and dislike around town
25	Asking directions Describing buildings and transportation Grammar and vocabulary
26	Going shopping Review of asking in the store Review of clothing, size and color Review asking for prices
27	Commands Reading and comprehension Grammar and vocabulary
28	What do we have to do? Daily activities
29	Making a Calendar Review events, times, appointments and daily routines
30	Talking about Easter
31	Introduction of present progressive Expressions More vocabulary
32	What he is / she is doing? Grammar and vocabulary
33-36	Create a presentation or performance Choosing a famous person

This project will review the entire lessons

- Name
- Brief biography
- Why you are choosing this person
- Why he / she is famous
- Major accomplishment
- Why he / she is famous
- Major accomplishment

HISTORY & GEOGRAPHY

REQUIRED TEXTS:

Hakim, Joy. A History of US: An Age of Extremes, 1880-1917. New York: Oxford University Press, 2002. -----. A History of US: War, Peace, and All That Jazz, 1918-1945. New York: Oxford University Press, 2002. -----. A History of US: All the People, 1945-1999. New York: Oxford University Press, 2002.

<u>WEEK</u>	TOPIC
From	Hakim, A History of US: An Age of Extremes, 1880-1917
1	Chapter 1: Carnegie
2	Chapter 2: A Bookkeeper name Rockefeller Chapter 3: Mr. Storyteller
3	Chapters 4: Powerful Pierpont
4	Chapter 5: Monopoly: Not Always a Game
5	Chapter 6: Builders and Dreamers
6	Chapter 7: Lady L Chapter 8: Presidents Again
7	Chapter 9: The People's Party Chapter 10: Making Money
8	Chapter 11: Hard Times
9	Chapter 12: Gold & Silver
10	Chapter 13: A Cross of Gold
11	Chapter 14: Some Bad Ideas
12	Chapter 15: Producing Goods

13	Chapter 16: Harvest at Haymarket
14	Chapter 17: Workers, Labor (And a Triangle)
15	Chapter 18: Rolling the Leaf in Florida
16	Chapter 19: Catching the Day
17	Chapter 20: Telling it Like it is Chapter 21: Bread and Roses, Too
18	Chapter 22: The Fourth Estate
19	Chapter 23: Ida, Sam, and the Muckrakers
20	Chapter 24: A Boon to the Writer Chapter 25: In Wilderness is Preservation
21	Chapter 26: The Gilded Age Turns Progressive
22	Chapter 27: Teedie
23	Chapter 28: From Dude to Cowboy
24	Chapter 29: The Spanish American War
25	Chapter 31: Teddy Bear President Chapter 32: Jane Addams, Reformer
26	Chapter 33: Henry Ford Chapter 34: The Birdmen
27	Chapter: 35: William Howard Taft
28	Chapter 36: A Schoolteacher President
29	Chapter 37: War - WWI
30	Chapter 37: WWI - continued
	From Hakim, A History of US: War, Peace, and All That Jazz, 1918-1945 Chapter 1: War's End
31	Chapter 2: Fourteen Points
32	Chapter 15: The Prosperity Balloon

	Chapter 16: Getting Rich Quickly
33	Chapter 17: Down and Out (The Great Depression)
34	Chapter 25: President Roosevelt (FDR) Chapter 26: Twentieth-Century Monsters (Preview WWII)
35-36	Final Projects: WWII

SCIENCE

TEACHER RESOURCES:

The science curriculum is guided by the Delta Science Modules. There are no texts for the student. Each module's teacher guide contains worksheets for the student.

DELTA SCIENCE MODULES:

Plants in Our World. Hudson, NH: Delta Education, Inc., 1996.
DNA: From Genes to Proteins. Hudson, NH: Delta Education, Inc., 1994.
Earth Processes. Nashua, NH: Delta Education, Inc., 1994.
Matter and Change. Hudson, NH: Delta Education, Inc., 1996.
Newtons Toy Box. Hudson, NH: Delta Education, Inc., 1996
Astronomy. Hudson, NH: Delta Education, Inc., 1999.

SUPPLEMENTAL RESOURCES:*

Maton, Anthea, et al. *Exploring Physical Science*. Upper Saddle River, NJ: Prentice Hall, 1997. *Dynamic Earth*. Upper Saddle River, NJ: Prentice Hall, 1997. *Parade of Life: Monerans, Protists, Fungi, and Plants*. Upper Saddle River, NJ: Prentice Hall, 1997. *Exploring the Universe*. Upper Saddle River, NJ: Prentice Hall, 1997
Padilla, Michael, et al. *Cells and Heredity*. Upper Saddle River, NJ: Prentice Hall, 2000.

*Each Prentice Hall text is used to supplement the Delta Science Module units. A teacher's edition is available for each one of the student texts listed.

WEEK TOPIC

From *Plants in Our World*, supplemented by material in *Parade of Life: Monerans, Protists, Fungi, and Plants*

- Distinctions Between Plant and Animal Cells; "Plant and Animal Cells"
 Plant Stems; "Plant Stems: Structure and Function, Part 1"
 Plant Stems; "Plant Stems: Structure and Function, Part 2"
 Effect of Light and Water on Seedling Growth; "What Do Plants Need? Part 1"
- Field Trip: Observe plant types and collect samples of algae in lakes and moss in woods Transpiration; "Stomata and Transpiration, Part 1" Transpiration; "Stomata and Transpiration, Part 2" Effect of Light and Water on Seedling Growth; Phototropism; "What Do Plants Need? Part 2"

- Photosynthesis—Intake of Carbon Dioxide; "Plants Take in Gas, Part 1"
 Photosynthesis—Intake of Carbon Dioxide; "Plants Take in Gas, Part 2"
 Photosynthesis—Production of Oxygen; "Plants Give Off Gas, Part 1"
- 4 Photosynthesis—Production of Oxygen; "Plants Give Off Gas, Part 2" Chlorophyll as Green Pigment; "Paper Chromatography" Photosynthesis—Production of Starch; "Plants Make Food, Part 1"
- Photosynthesis—Necessity of Chlorophyll; "Chlorophyll"
 Plant Respiration-Production of Carbon Dioxide; "Cellular Respiration in Plants, Part 1"
 Plant Respiration-Production of Carbon Dioxide; "Cellular Respiration in Plants, Part 2"
- 6 Photosynthesis—Production of Starch; "Plants Make Food, Part 2" Starch and Glucose in Plants; "Plants Store Food" Importance and Uses of Plants; "The Uses of Plants"
- 7 Assessment Review (Part 1) Assessment Review (Part 2) Assessment Sections 1-2
- 8 Assessment Section 3 and Homework Section Return and Discussion of Assessment

From DNA: From Genes to Proteins, supplemented by material in Exploring Physical Science

- 9 Features, Characteristics and Variations; "How Do I Look?" Relation of Proteins to Variations; "Proteins and Appearances" Structures and Their Functions in Cells; "What's in a Cell?" Modeling a Cell; "Modeling a Cell"
- Modeling Genetic Material in the Nucleus; "What's in the Nucleus?" Modeling DNA; "Modeling DNA" Replication of DNA; "Replicating DNA" Transcription; RNA from DNA; "Modeling a Message"
- Protein Synthesis; Transcription and Translation; "The Code Makes a Product" Protein Synthesis; Transcription and Translation; "The Code Makes a Product" (cont'd) Genes, Chromosomes and Mutations; "Genes and Mutations" Bacteria and Viruses; "Simpler Cells"
- Extraction of DNA; "Extra Experiment"
 Transplanting Genes; DNA Recombination; "How We Use DNA in Cells"
 DNA Fingerprinting; Human Genome Project; "DNA Fingerprinting"
 Film, "Voyage into the Cell"

 Assessment Review (Part 1)
 Assessment Review (Part 2)
 Assessment Sections 1-2
 Assessment Section 3 and Homework Section Return and Discussion of Assessment

From Earth Processes and supplemented by material in Dynamic Earth Continental Drift

- 14 Continental Drift; Sedimentary Rock Samples; "Pieces of a Puzzle" (continued) Model of Earth and Its Interior Igneous Rock Samples; "The Structure of the Earth" Composition of Earth's Crust; Weathering
- 15 Metamorphic Rock Samples; "The Earth's Weathered Crust, Part 1" Formation of Sedimentary Rocks; "Sediments Become Rocks, Part 1" Formation of Igneous Rocks; Model Volcano; "Volcanoes Make Rocks, Part 1" Completion of Three Activities; "The Earth's Weathered Crust, Part 2"
- "Sediments Become Rocks, Part 2"
 "Volcanoes Make Rocks, Part 2"
 Review of Earth Processes; Practice in Identifying Rock Samples
 Formation of Metamorphic Rock; Interactions of Sedimentary, Igneous and Metamorphic
- Rocks; "The Rock Cycle"
 Modeling Mountain Formation; "Mountain Building"
 Modeling Compressional and Shear Waves in Earthquakes; "Earthquake!"
 Model Seismograph; Richter Scale; "Building a Seismograph"
- Plotting Locations of Earthquakes and Volcanoes; "Ring of Fire" Isostasy; "A Balancing Act" Modeling Convection Currents in Earth's Mantle; "Convection Currents" Modeling Ocean-Floor Spreading; "The Ocean Floor"
- Connection Between Crustal Plate Movement and Continental Drift; "Plate Techtonics"
 Assessment Review (Part 1)
 Assessment Review (Part 2)
 Assessment Sections 1-2
- 20 Assessment Section 3 and Homework Section Return and Discussion of Assessment

From Matter and Change and supplemented by material in Exploring Physical Science

21 Density of Liquids Pressure/Volume of a Gas Delta Reader

- 22 Solutions and Suspensions Atomic Structure Making Molecules
- 23 Ionic and Covalent Compounds Chemical Equations Isomers
- 24 More Organic Compounds Acids and Bases Neutralization
- 25 Oxidation Precipitates Delta Reader
- 26 Assessment Review (Part 1) Assessment Review (Part 2) Assessment Review (Part 3)
- 27 Homework Session and Discussion Review and Prepare for Test Test/Final Assessment
- From *Newton's Toy Box* and supplemented by material in *Exploring Physical Science* Newton's First Law of Motion; "Motion in Review" The Force of Gravity; "Gravity and Balance"
- Newton's Second Law of Motion; "Moving Masses" The Force of Air Resistance; "The Parachute Drop" Parabolic Trajectories; "Basketball Arcs" Parabolic Motion; "Ball and Cup Contest"
- Average Speed; "Rolling On"
 Average Speed; Gravitational Potential Energy; Kinetic Energy; "Great Race"
 Acceleration; "Accelerating Masses"
 Elastic Potential Energy; Energy Conservation; "The Come-Back-Can"
- Newton's Third Law of Motion; "Action-Reaction in Action"
 Newton's Third Law; Potential and Kinetic Energy; "The Grasshopper Game"
 Momentum and Its Conservation; "Clacker Conservation"
 Assessment Review (Part 1)
- 31 Assessment Review (Part 2) Assessment Sections 1-2 Assessment Section 3 and Homework Section

Return and Discussion of Assessment

From *Astronomy* and supplemented by material in *Exploring the Universe* 32 Modeling Hourly Movement of Sky Objects; "The Sky in Motion"

- 32 Modeling Hourly Movement of Sky Objects; "The Sky in Motion" Movement of Sky Objects; "The Sky in Motion" (continued)
- Modeling Sky and Rotating Earth; "As the Earth Turns"
 View of Sky Related to Latitude
 Astrolabe and Solar Quadrant; "Skies Around the World, Part 1"
 Sky View Related to Latitude; "Skies Around the World, Part 2"
- Monthly Movement of Sky Objects; "Stars Throughout the Year"
 Movement of Sun Through Constellations and the Seasons; "The Sun and Seasons"
 Model of Stonehenge and the Seasons; "The Sun and Seasons" (continued)
 Solar System Scale Model; "Planet Watch"
- Modeling Positions of the Planets; "Planet Watch"
 Identifying Starfields and Matching with Constellations; "Constellations and Myths"
 Myths of Constellations; "Constellations and Myths" (continued)
 Three-Dimensional Model of Big Dipper; Stellar Distances; "Three-Dimensional Starfield"
- Lenses, Telescopes and Magnification; "Seeing More"
 Stages of Stellar Evolution; "Life Cycle of a Star"
 Discussion of Handout "Cycles" (from Astronomy)
 Classification of Galaxies; Counting Galaxies; "Galaxies"

Probability of Other Life in Universe; "Are We Alone?" Assessment Review (Part 1) Assessment Review (Part 2) Assessment Sections 1-2

Assessment Section 3 and Homework Section Return and Discussion of Assessment

MATHEMATICS

REQUIRED TEXT:

Hake, Stephen and John Saxon. Math 8/7: An Incremental Development. Norman, OK: Saxon Publishers, Inc., 2004.

WEEK TOPIC

- 1 Lesson 1: Arithmetic with Whole Numbers and Money
- 2 Lesson 2: Properties of Operations; Sequences

3	Lesson 3: Missing Numbers in Addition, Subtraction, Multiplication, and Division
4	Lessons 4-5: Number Line; Integers; Place Value through Hundred Trillions; Reading and Writing Whole Numbers
5	Lessons 6-7: Factors; Divisibility; Lines and Angles
6	Lesson 8: Fractions and Percents; Inch Ruler
7	Lesson 9: Adding, Subtracting, and Multiplying Fractions; Reciprocals
8	Lesson 10: Writing Division Answers as Mixed Numbers; Improper Fractions
9	Lessons 11-12: Word Problems about Combining and Separating; Word Problems about Comparing and Elapsed Time
10	Lessons 13-14: Word Problems about Equal Groups; Word Problems about Parts of a Whole
11	Lesson 15: Equivalent Fractions (Part 1)
12	Lesson 15: Reducing Fractions (Part 1)
13	Lesson 16: U.S. Customary System
14	Lessons 17-18: Measuring Angles with a Protractor; Polygons; Similar and Congruent
15	Lessons 19-20: Perimeter; Exponents; Rectangular Area (Part 1); Square Root
16	Lesson 21: Prime and Composite Numbers; Prime Factorization
17	Lesson 22: Fraction-of-a-Group Problems
18	Lessons 23-24: Subtracting Mixed Numbers with Regrouping; Reducing Fraction (Part 2)
19	Lesson 25: Dividing Fractions
20	Lesson 26: Multiplying and Dividing Mixed Numbers
21	Lesson 27: Multiples; Least Common Multiple; Equivalent Division Problems
22	Lessons 28-29: Two-Step Word Problems; Average (Part 1); Rounding Whole Numbers; Rounding Mixed Numbers; Estimating Answers
23	Lesson 30: Common Denominators; Adding & Subtracting Fractions with Different Denominators

- 24 Lessons 31 & 33: Reading and Writing Decimal Numbers; Comparing Decimals; Rounding Decimals
- 25 Lesson 34: Decimal Numbers on the Number Line
- 26 Lesson 35: Adding, Subtracting, Multiplying, Dividing Decimal Numbers
- 27 Lessons 37 & 40: Area of a Triangle; Rectangular Area (Part 2); Sum of the Angle Measures of a Triangle; Angle Pairs
- 28 Lesson 41: Evaluating Expressions; Distributive Property
- 29 Lesson 42: Repeating Decimals
- 30 Lesson 43: Converting Decimals to Fractions; Converting Fractions to Decimals; Converting Percents to Decimals
- 31 Lessons 44-45: Division Answers; Dividing by a Decimal Number
- 32 Lesson 46: Unit Price; Rates; Sales Tax
- 33 Lesson 48: Fraction, Decimal, Percent Equivalents
- 34 Lesson 52: Order of Operations
- 35 Final Projects
- 36 Final Projects