

Scope & Sequence February 2010

aduque@bfccps.org mward@bfccps.org		Grade Six Mr. Duque & Mrs. Ward		
Language Arts	Mathematics	World Geography	Science	Community Service
<p>Reading /Comprehension: Students will be reading <i>The Ear, the Eye and the Arm</i> by Nancy Farmer. This is a science fiction novel set in Zimbabwe in 2194. Students will use the author's writing to learn about good beginnings and good endings by rewriting some of the chapter beginnings and endings.</p> <p>Writing: This month students will focus on journal writing and the variety of purposes for journaling to support the journal they need to keep while working on their Science Fair projects.</p> <p>Grammar: We will look at specific uses for grammar in the novel we are reading and use the author's writing to review all parts of speech.</p>	<p>Math I Chapter 4 – Number Theory & Fractions</p> <p>Major topics:</p> <ul style="list-style-type: none"> • Divisibility rules • Factors, prime & composite #s • Decimals, fractions, & their equivalences • Estimating & adding with fractions <p>Math II Chapter 4 – Tables & Graphs and Chapter 5 – Proportional Relationships</p> <p>Major topics:</p> <ul style="list-style-type: none"> • Tables, graphs, coordinate plane • Functions • Ratios, rates, & proportions • Proportions & geometry 	<p>Overview: In January we will continue our study of Africa focusing on the countries in East Africa, Central Africa, and Southern Africa. We will look at natural resources, European and native influences, and economic and political challenges.</p> <p>Project: Students will use on-line resources to learn where each country is located and to learn the capital of each country.</p>	<p>Our study of forces will be put to real-world application as we investigate bridges. By the end of the unit, students will be able to:</p> <ul style="list-style-type: none"> • Identify and describe three major types of bridges (e.g., arch, beam, and suspension) and their appropriate uses (e.g., site, span, resources, and load). • Explain how the forces of tension, compression, torsion, bending, and shear affect the performance of bridges. • Describe and explain the effects of loads and structural shapes on bridges. <p>The culmination of their studies will have students design and construct a bridge following specified design criteria, with the design tested for durability and structural stability</p>	<p>In the wake of the devastating earthquakes in Haiti, the sixth grade is participating in a middle school fundraising effort – “Penny Challenge”. In this contest, homerooms gain “points” by having pennies deposited into their buckets and lose “points” when other monies are put into their bucket. Through a little bit of competition, we hope to bring about a lot of change.</p> <p>While we encourage our students to bring in any loose change they may have, we encourage them to earn their donated money by helping with chores, recycling bottles, etc.</p>

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ecallahan@bfccps.org kbuckley@bfccps.org ksalley@bfccps.org bsharistianian@bfccps.org		Grade Seven Mr. Callahan, Mr. Buckley, Ms. Salley & Ms. Sharistianian		
Language Arts	Science	History	Mathematics	Community Service
<p>Poetry/Literature & Writing Since we are ahead of schedule. The students have begun literature circles; they each were placed into groups reading one of the three titles by Karen Hess: <i>A Time of Angels, Witness, and Out of the Dust</i>. Students will continue rotating the roles of the illustrator, connector, word-finder, discussion director, and passage picker. We will have intermittent discussion of how the characters in each story exhibited any of the four main virtues. By the end of the month we hope to begin Robert Louis Stevenson's <i>The Strange Case of Dr. Jekyll and Mr. Hyde</i>.</p>	<p>During the month of February the seventh grade will be continuing our study of biology and beginning our science fair work. The final due date for all homework and classwork from our cells unit will be February 2nd and Testing will be happening just before the Winter break. We will be handing out science fair assignments and timelines during the first week of February for a fair to be held on March 18th.</p>	<p>In February the 7th grade will be focused on the great ancient civilization of Greece. This unit will easily take us through the entire month of February. The class will study how geography helped to shape the Greeks. The class will learn about how the ancient Greeks help to shape democracy and much of the western world we study. The great volcanic eruption on the Greek island of Thera will be looked at. This will also lend the class to learn about natural disasters that occur throughout history and help shape civilizations as we know them. This discussion will also lead us into learning more about the natural disaster in our neighboring country of Haiti. This terrible event can be compared to some of history's greatest disasters.</p>	<p>7th Grade Course 2 Collecting, Displaying, and Analyzing Data</p> <ul style="list-style-type: none"> • Frequency Table, Stem and Leaf, and Line Plots • Mean, Median, Mode, and Range • Bar Graphs and Histograms • Reading and Interpreting Circle Graphs • Box and Whisker Plots • Line Graphs <p>7th Grade Pre-Algebra</p> <p><u>Finish Percents:</u></p> <ul style="list-style-type: none"> • Estimating with Percents • Applications of Percents <p><u>Probability:</u></p> <ul style="list-style-type: none"> • Experimental • Theoretical • The Fundamental Counting Principle • Permutations and 	<p>Students will start brainstorming efforts towards the Heifer Project. Students will help photograph other Heifer projects currently going on in the school in order to create a calendar, whose proceeds will go towards working on the Heifer farm sometime in the spring</p>

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<p>Grammar Students will continue unit on phrases.</p> <p>Vocabulary Students will continue with <u>Wordly Wise</u> Lessons 11-13</p> <hr/>		<p>My thoughts and prayers go out to all that are directly or indirectly involved.</p>	<p>Combinations</p> <ul style="list-style-type: none">• Independent and Dependent Events• Odds	
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ecallahan@bfccps.org kbuckley@bfccps.org ksalley@bfccps.org bsharistianian@bfccps.org		Grade Eight Mr. Callahan, Mr. Buckley, Ms. Salley & Ms. Sharistianian		
Language Arts	Science	History	Mathematics	Community Service
<p>Literature Students will continue reading/discussing/acting Shakespeare's <i>Twelfth Night</i>. By the end of the month we hope to begin short stories in the anthology <u>Realms of Gold 3</u> by Hawthorne, Tolstoy, Crane, and Dostoevsky.</p> <p>Writing Students will create modern versions of scenes based on <i>Twelfth Night</i>. Students will also answer mini-essay questions based on the play and/or theme essay.</p> <p>Grammar We will continue with phrases.</p>	<p>The eighth grade will be taking a look at sound and light waves during the month of February. We will also begin to take a look at MCAS prep for the 8th grade science MCAS in May. Finally we will be handing out the science fair materials and timelines for a science fair to be held on March 18th. Should be great!!!</p>	<p>The 8th grade will continue with their study of the Reformation. This pivotal time in western civilization history is important to study for many reasons. The shift of power from the Roman Catholic Church to a more humanist approach to not only art and literature, but also with the faith of the populace will be looked at. As we approach the break in February the class will begin to bring our study of world history to an end. This will wrap up with the class learning about the enlightenment and the scientific revolution. This unit will focus on philosophers such as Locke, Voltaire, and among others Rousseau. These works will help to</p>	<p>8th Grade Pre-Algebra/ Algebra</p> <p><u>Finish Percents:</u></p> <ul style="list-style-type: none"> • Estimating with Percents • Applications of Percents <p><u>Probability:</u></p> <ul style="list-style-type: none"> • Experimental • Theoretical • The Fundamental Counting Principle • Permutations and Combinations • Independent and Dependent Events • Odds • <p>8th Grade Algebra</p> <p><u>Quadratic Equations and Functions:</u></p> <ul style="list-style-type: none"> • Identifying Quadratic Functions • Characteristics of Quadratic Functions • Graphing Quadratic Functions • Transforming Quadratic Functions • Solving Quadratic Equations 	<p>The 8th Grade will be working on a creating a BFCCPS cookbook throughout the year. The proceeds from the sales of the cookbook will benefit Heifer International. This community service projects supports the school-wide initiative for Heifer International and satisfies the global strand of the community service projects.</p>

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<p>Spelling/Vocabulary Spelling and vocabulary will come from <u>Wordly Wise</u> Lessons 11 and 12.</p>		<p>lead us into our next focus of study which will be the American Government.</p>	<p>by graphing</p> <ul style="list-style-type: none">• Solving Quadratics by Factoring <p>Writing: comparing</p>	
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Fine Arts, Language, PE 6-8
Mrs. Babineau, Ms. Russell, Mrs. Malouf, Dr. Perry,
Mrs. Burke, Mrs. Simpson, & Mr. Benjamin

Core Knowledge Music	Core Knowledge Art	French	Latin	Physical Education	Band
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<p>Grade 6</p> <ul style="list-style-type: none"> • Terms • Treble Clef • Bass Clef • Staff, bar line • Repeat sign • Dynamics • Chords • I tonic • Major/minor <p>Grade 7</p> <ul style="list-style-type: none"> • Cantus Firmus • First Species • Second Species • Third Species • Start writing free music • Music Composition project <p>Grade 8</p> <ul style="list-style-type: none"> • Bizet • Carman • Wagner • Wagner life vs. his music • Why Wagner's music is so important to Opera <p>Quiz on Opera</p>	<p>Art Grade 6:</p> <ul style="list-style-type: none"> • Elements of art: line, shape, texture, color, and value. • Taking a leap to make an interesting connection between art and science. Introduction to Cubism. Thinking in terms of energy, physical changes, tension, force, power, etc. and exploring those scientific terms in an artistic way. • Reinforce knowledge of lighting and value. Introduction of Japanese brushwork. <p><u>Character Education:</u></p> <ul style="list-style-type: none"> • Art appreciation Creativity and courage <p>Art Grade 7:</p> <ul style="list-style-type: none"> • Elements of art: line, shape, texture, color, and value. • Principles of art: Emphasis, balance, harmony, unity, movement, rhythm, proportion, variety. • Exploration of Color theory and color psychology. • Arts and advertising Beverage Design Project. • Study of color, light, and brush work techniques inspired by 19th c. impressionists and expressionists. 	<p>Grade 6</p> <ul style="list-style-type: none"> • Review members of the family • Action words. • Hobbies/passtimes • Conducting an interview • Poem about dreams • More prepositions • Possessive adjectives. • Work on the verb "Faire" (vs) "jouer" • Work and preparing for the French National Contest for February 23. • Students have a list of topics to review and prepare. <p>Grade 7</p> <ul style="list-style-type: none"> • Exploring Paris • Verb "aller". • Descriptive vocabulary • Doing past tests to prepare students for the National French Contest • Introducing café life and the verb prendre. • Basic food • Expressions such as "I am hungry and thirsty" <i>J'ai faim et j'ai soif</i> "I would like..." <i>Je voudrais...</i> • Prepare for the National French Contest for March 3 <p>Grade 8</p> <ul style="list-style-type: none"> • The Perfect tense with 	<p>LATIN GRADE SIX</p> <p>Grade Six will work on ancient Roman housing, architecture, and familia arrangements. Nouns for domestic animals will be introduced. Conjugation of verbs.</p> <p>LATIN GRADE SEVEN</p> <p>Grade Seven will work on acquiring proficiency with second declension nouns: masculine, feminine and neuter. Also, the future and imperfect of verbs will be studied. A project of their choice will be done during this month.</p> <p>LATIN GRADE EIGHT</p> <p>Grade Eight will work on Chapters 8, 9, and 10 in books. Also, a project of their choice will be done during the month.</p> <p>CHARACTER</p>	<p>Grade 6,7 +8 BOWLING</p> <ul style="list-style-type: none"> • Introduction to bowling as a lifetime fitness activity • Safety while bowling in the auditorium. • Basic bowling skills and rules. • Setting up the pins. • Cooperative and team bowling activities. • Appropriate bowling skills and techniques • Scoring. <p>HEALTH AND WELLNESS</p> <p>Nutrition Exercise Personal Hygiene Social Skills Safety</p> <p><i>Health and wellness binder and Info. will be available in the office,</i></p> <p>Character Education</p> <p>The P.E. program lends itself very nicely to the character education</p>	<p>Grade 6-7</p> <ul style="list-style-type: none"> • Dotted Quarter Rest • Key Signature Eb Major <p>"What Every 6th Grader Needs to Know" Family Reading</p> <p>Read "Patterns in Music" pg. 233</p> <p>Grade 8</p> <ul style="list-style-type: none"> • Music Theory • Solo and Ensemble Works <p>Character Education</p> <p>OUR CHARACTER AND THE TWO "R WORDS"</p> <p>We put a heavy emphasis on two words: Responsibility and Respect. In some ways, these two words are the bulk of our curriculum.</p>
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	<p><u>Character Education:</u></p> <ul style="list-style-type: none"> • Art appreciation • Craftsmanship. <p>Home Work: Bring in a plastic bottle any shape or size.</p> <p>Art Grade 8:</p> <ul style="list-style-type: none"> • Elements of art: line, shape, texture, color, and value. • What I want to be after College Calendar Design project. Continue study of the human figure, perspective, introduce rule of thirds in composition. • “Cards for the Community.” <p>Explore making pop up Cards and drawing with scissors. Focus on design principles.</p> <ul style="list-style-type: none"> • Principles of art: Emphasis, balance, harmony, unity, movement, rhythm, proportion, variety. <p><u>Character Education:</u></p> <ul style="list-style-type: none"> • Art appreciation • Responsibility • Effort 	<p>“avoir” and “être”</p> <ul style="list-style-type: none"> • Reflexive verbs • Object pronouns; direct and indirect • Talk about their past weekend activities. • Students will be working on a performance for the field trip on March 26th at Milton High School. • Prepare for the National French Contest for March 3. <p>Character Education</p> <p><u>Patience</u> is our virtue this month.</p> <p>Looking at many proverbs/sayings to do with the importance of patience in order to realize one’s dream.</p> <p>“Petit à petit l’oiseau fait son nid”</p> <p>“La patience est amère mais son fruit est doux”</p> <p>“tout vient à point à qui sait attendre”</p>	<p>EDUCATION</p> <p>Patience is the virtue of the month. We will explore some literature with this theme.</p>	<p>pillar of our school. We spend a lot of time demonstrating, and acknowledging sportsmanship, self-control, patience, playing fair, and the encouragement and respecting of teammates and classmates. The opportunities to have these discussions and demonstrations are endless at all grade levels.</p>	
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Grade Six Advisory

This is last paper copy of the Scope. We're going electronic in 02/10

Ms. Russell	Mr. Buckley	Mrs. Hass	Mr. Boday	Ms. Salley	Mr. Velky
<p>Students will continue on their commissioned art project for the Isabella Restaurant. Students during academics have the science fair coming up and aside from that we will be creating a power point that documents everything we've learned so far this year in advisory. Ms. Russell will teach them how to use some of the animation and other tools power point offers. This project will help us reflect on our character education as well as practice our presentation, power point, and speaking skills.</p>		<p>This 6th grade Advising Group will continue conversations about Citizenship. Through the Character Counts resource "Wise Lives" our Advising Group will continue to explore the qualities of good citizenship. The concepts of honest, compassion and responsibility are themes we will discuss under this umbrella virtue. In addition, individual academic review is a continuous component of Advising.</p>	<p>Seeing that February's core virtue is temperance we will be specifically focusing on the topics of patience and obedience. We will be having discussions about how and when to use patience. This month we will tie in with goal setting from fortitude to show how patience can be applied. On the topic of obediences students will create short skits about showing obedience. The skit will be followed up with a discussion. We will finish are discussion with the a few questions; When do we show obedience? Is there</p>	<p>Students will continue with the theme of respect. Students will also continue to work on organizational skills for the academic portion of advising.</p>	<p>Students will be discussing fairness. They will identify situations when they are being fair and when they are not. We will also be discussing MCAS Prep as well as conitnuing time management skills.</p>

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			times when it is right to not show obedience?		
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Grade Seven Advisory

This is the last paper copy of the Scope. We're going electronic in 02/10

Mr. Duque	Mr. Callahan	Mrs. Harrington	Mrs. Lockhart	Mrs. Schwab	Ms. Sharistianian	Mrs. Ward
<p>In February many of our Character Education lessons will focus on the character traits needed to succeed with our Capstone projects. Students will explore and review concepts such as responsibility, perseverance, and facing challenges. In our Advising classes we will be starting the Capstone process. Students are excited and eager to begin this important project.</p>		<p>This month Ms. Harrington's 7th grade advising group will be focusing on Temperance. We will discuss ways to be more patient and obident in our every day lives. We will also continue to use the Character Counts resources as well as Wise Lives activities. Our group will also be discussing internet safety throughout the month.</p>		<p>We will begin our journey into the exciting world of Capstone. Packets will be coming home and healthy conversation will be had in advising and are to continued at home. We will continue with the "Quote of the Week" and students need to continue to be looking at Edline. We will be helping out the Kindergarten classes and will be exercising the virtue of Justice.</p>	<p>Ms. Sharistianian's advising group will be discussing Fairness in January and February. We will discuss humility, tolerance, communication, managing our feelings, and keeping a good conscience.</p>	<p>In February many of our Character Education lessons will focus on the character traits needed to succeed with our Capstone projects. Students will explore and review concepts such as responsibility, perseverance, and facing challenges. In our Advising classes we will be starting the Capstone process. Students are excited and eager to begin this important project.</p>

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Grade Eight Advisory

This is last paper copy of the Scope. We're going electronic in 02/10

Mrs. Ahnert	Mrs. Burke	Mrs. Sarapas	Mrs. Simpson	Mrs. Williamson
	<p>We would like to first congratulate all the 8th graders on the completion of their capstone projects. They all did a fabulous job. We truly enjoyed sitting back watching all the presentation. We are very proud of our students.</p> <p>For the month of February we will be focusing our activities and discussions around the virtue Temperance. Staying organized and on task will be a challenge in the coming months as the school year winds down and the weather warms-up. We will stress the importance of Temperance (self-control, order, patience, manners, and obedience) and discuss strategies that will help the students to finish middle school strong and move on to High School.</p> <p>Internet safety will also be discussed in general and how it relates to Temperance during the month of February. The focus this month will be personal information.</p>	<p>For the month of February we will be focusing on Temperance. We will work with the students on their organizational skills, how to stay on track, how to show self control and how to stay focused. We will begin to get them ready for high school using these skills. We will also touch upon Internet use and what is personal information and what is not and what is appropriate to put on the internet and what should remain private.</p>	<p>We would like to first congratulate all the 8th graders on the completion of their capstone projects. They all did a fabulous job. We truly enjoyed sitting back watching all the presentation. We are very proud of our students.</p> <p>For the month of February we will be focusing our activities and discussions around the virtue Temperance. Staying organized and on task will be a challenge in the coming months as the school year winds down and the weather warms-up. We will stress the importance of Temperance (self-control, order, patience, manners, and obedience) and discuss strategies that will help the students to finish middle school strong and move on to High School.</p> <p>Internet safety will also be discussed in general and how it relates to Temperance during the month of February. The focus this month will be personal information.</p>	<p>The virtue for February is Temperance. We will do group activities focusing on Temperance and related topics of patience and obedience.</p>

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