10th-12th Grade Scope and Sequence
Medieval World

Humanities (including geography and art appreciation)

Summer Read: Walter Wangerin, Jr.'s *The Book of the Dun Cow*
Irenaeus, Tertullian, and Other Church Fathers and Historic Creeds
Life of Antony, Athanasius
Confessions, Selections from *City of God,* Augustine
On the Incarnation, Life of Anthony, Athanasius
Benedict of Nursia
Beowulf, translated by Seamus Heaney
Dante's *Inferno, Purgatorio, Paradisio*
Consolation of Philosophy, Boethius
Proslogion, Selection from *Cur Deus Homo*, Anselm
Selections from *Summa Theologica,* Thomas Aquinas
Murder in the Cathedral, T. S. Eliot
Selections from *The Canterbury Tales,* Geoffrey Chaucer
Tales from the Perilous Realm, J.R.R. Tolkien "On Fairy Stories", "Farmer Giles of Ham"

Students will:

1. Locate important information on maps in relation to the time period in which it occurred.
2. Learn the skills required for medieval cartography and compare it to cosmography.
3. Examine maps from Hereford Cathedral, Matthew Paris's Britain, and others.
4. Examine a *mappamundi* and create a fictional medieval country and corresponding map and key.
5. Identify the four countries, capitals, and bodies of water for the United Kingdom.
6. Identify the five countries, capitals, and bodies of water for Scandinavia.
7. Identify the main countries and capitals of Western Europe.
8. Write structured narrative and summary paragraphs of assigned readings (see Writing below)
9. Complete a picture study of relevant subjects twice a month, learning how to "read" fine art, beginning with a basic understanding of lines from creation. Teacher references: Mary Loughran's *Leading a Discussion on a Work of Art*, Simply Charlotte Mason's *The Stuff They Left Behind*, and principles of picture study from Charlotte Mason.
10. Using elements of art, write an art analysis paragraph or paper on a given piece of art.
11. Learn research methods: determining credible sources, types of sources, how to cite, quote, avoiding plagiarism.
12. Research an aspect of medieval history or art and write an extended essay with citations.

Art

1. Review and refine understanding and application of Elements of Art and Principles of Design.
2. Gain understanding of art through the process of constructive critique in class.

3. Analyze artwork through observation, engagement, and active listening.
4. Learn how to complete artwork and present pieces to others.
5. Study Byzantine Art and create glass tile mosaics.
6. Learn calligraphy and create and paint illuminated manuscripts.
7. Review perspective and create cathedral architecture drawings.
8. Study the Bayeux Tapestry and create woven tapestries.
9. Study cathedral gargoyles and create charcoal drawings.

Bible, Medieval Historical Theology (part of Humanities)

ESV Journal Bible
Students will

1. Recite and memorize verses in chapel based on quarterly cardinal virtues.
2. Begin learning how to read the Bible for understanding and spiritual formation.
3. Explore key theological ideas, including (but not limited to): Who is God? How does God call us to live? How do we pray? What is redemption? What is the atonement? What is virtue?
4. Learn to read theological texts from the history of the church and interact with the Great Ideas.
5. Learn practices for conducting Bible studies, taking notes on/in the Bible, and other spiritual disciplines related to Bible intake.

Memory Work

1. One passage from or about medieval poetry: William Cullen Bryant's "Song of the Stars"
2. One excerpt from *The Divine Comedy*
3. Daily Catechism: key selections from biblical texts and literary works from this era.

Math

Algebra 2 by John H. Saxon Jr. or *Intro to Statistics* by Josh Tabor and Daren Starnes with *Adventures in Statistics: How We Live in a World of Numbers* by Robert. T Stewart

Students will learn:

1. **Basic Arithmetic:** Perform basic operations (addition, subtraction, multiplication, and division) on whole numbers, fractions, and decimals. Complete long division and multiplication. Complete long divisions and multiplication of decimal numbers. Prime factorize integers.
2. **Exponents and Roots:** How to interpret powers according to the number of an exponent. How to interpret roots according to the value of an index. How to use the product rule of exponents. How to use the power rule of exponents. How to interpret negative exponents. How to use the product rule of radicals. How to use the power rule of radicals. How to simplify radical expression with imperfect roots.
3. **Place Value:** Recognize place value as a power of 10. How to correlate values greater than 1 as powers of 10 greater than or equal to 0. Correlate values less than 1 as negative exponents. Write in values in scientific notation.
4. **Basic Algebra:** Evaluate a variable. Recognize a coefficient. Recognize and define like terms. Add and subtract like terms. Multiply and divide algebraic expressions. Apply sign rules when solving algebraic expressions or equations. How to factor an expression. How to distribute a factor.
5. **Algebraic Phrases**: How to translate algebraic expressions into mathematical notation.
6. **Inequalities:** Recite the meaning of statements of inequality. How to use and write inequalities according to the trichotomy law of inequalities. How to write statements based on negated signs of inequality. How to simplify complex statements of inequality.

7. **Polynomials:** How to name and produce the basic definition of a polynomial. How to recognize monomials, binomials, and trinomials. How to identify the degree of a polynomial. How to multiply and divide polynomials.
8. **Geometry:** How to find the perimeter of polygons and circles. How to find the area of polygons and circles. How to find the volume of right solids, pyramids, cones, and spheres.
9. **Analytic Geometry:** How to plot a point in coordinate space. How to name the definition of linear equations. How to write linear equations in slope intercept form. How to find the slope between two points in coordinate space. How to find a point of intersection in a system of two linear equations, using substitution and elimination. How to name and use the definition of a function. How to identify the domain and range of a function. How to determine if a system of equations is consistent, inconsistent, or dependent. How to graph nonlinear equations. How to prove the quadratic formula.
10. **Properties of Algebra:** Name and identify the identitive property of addition and multiplication. Name and identify the commutative property of addition and multiplication. Name and identify the associative property of addition and multiplication. Name and use the distributive property of multiplication. Name and use algebraic subtraction. Name and use properties of equality. Name and use properties of inequality.
11. **Algebraic Rational Expressions**: How to find the LCM of algebraic terms. How to find the GCF of algebraic terms. How to add, subtract, multiply, and divide rational algebraic expressions. How to simplify rational algebraic expression when raised by a positive or negative exponent. How to simplify rational algebraic expressions that are located under a radical.
12. **Word Problems**: How to solve movement problems. How to solve linear motion problems. How to solve abstract distance problems.
13. **Probability:** How to determine probability according to repeating or non-repeating situations.

Rhetoric

Rhetoric by Aristotle; Memoria Press by Martin Cothrane

Students will:

1. Learn what rhetoric is, how it can be used, and how it builds on logic.
2. Discuss the duties of rhetoricians.
3. Learn the three means of persuasion.
4. Learn and deliver the four methods of speech delivery.
5. Learn how to outline an argument according to its premises and conclusion.
6. Examine Aristotle's analyses of political, ceremonial, and forensic rhetoric.
7. Evaluate Aristotle's conceptions of happiness and goodness.
8. Examine whether America should have certain laws or a certain form of government.
9. Evaluate the political rhetoric of Odysseus and Achilles in *The Iliad*.
10. Evaluate Aristotle's analyses of the virtues.
11. Deliver encomium or invective of a key medieval figure.
12. Examine key piece of medieval argument or other nonfiction
13. Learn the seven causes of human action as described by Aristotle.
14. Examine Socrates's defense of himself in *The Apology*.
15. Improve in speech creation and speech delivery.
16. Learn to speak expressively, naturally, and conversationally.
17. Deliver a chapel message to the school.

Senior Seminar

Student will:

1. Create a system (index cards, journal, et al) to track major themes and ideas with the books and art they study this year.
2. Demonstrate that they have thought deeply about the Great Ideas and can have meaningful conversations on these ideas.
3. Prepare for a Great Ideas discussion panel to discuss two or three of the Great Ideas they have been asked to prepare with three teachers.
4. Develop and write a 3-5 page position paper after considering the following questions and other similar ones: What challenges have I faced in allowing my education to shape my Christian faith? What are some moments where my education played a significant role in my Christian faith? How has Sager Classical Academy prepared me to be poured out on the world? What fears do I have in leaving SCA and moving on to the next stage of my life? What do I hope the next five years will look like?

Writing in all subjects

Students will:

1. Use MLA headings and write in MLA format
2. Create titles for assignments
3. Use topic-clincher sentences
4. Change out banned words: go, went, say, said, good, bad, big, little
5. Vary sentence structures
6. Vary sentence beginnings
7. Retell and rewrite stories and poems in own words
8. Identify potential arguments using ANI charts (LTOW)
9. Write analytical paragraphs and essays about relevant topics
10. Write original poems imitating structure studied in class.

Latin

Henle 1, 2
In first year text, students will learn:

1. Limited vocabulary of 500 words allows students to master grammar without being overwhelmed with a large vocabulary.
2. Common Latin phrases and exercises.
3. Roman and American history, the difference between the pagan and Christian worldviews, and the difference between the virtues of the natural man (of whom the Roman was the greatest type) and the virtues of the Christian man, which are possible only through grace.
4. Recitation: John 1

In second year text, students will:

1. Review grammatical and syntactical concepts, including irregular adjectives, ablative absolute, gerunds, gerundives, vocative case, and imperative mood.
2. Translate simplified portions of Caesar.
3. Recitation: John 1

SCIENCE

Introductory Physics, 3rd edition

by John Mays