

# Co-teacher's Guide to Academic Partnership



## 12TH GRADE

This guide provides an overview of what students will be working on in English and Math. Each student is challenged not only academically, but also spiritually. We choose curriculum that:

- Has a biblical worldview and/or secondary resources with a strong biblical foundation.
- Allows teachers to point students to the development of strong Christ-like character. Students are taught by a Christian faculty. Weekly Bible classes are incorporated into the curriculum.
- Gives parents the opportunity to engage with their students on off-campus days.
- Prepares students for college and life.

Curriculum is selected by committee and reviewed every four years. A complete listing of Goals for Student Learning at Legacy may be found at [www.legacycpca.org/academics/academic-overview](http://www.legacycpca.org/academics/academic-overview). Goals are adapted from the National Survey of Student Engagement (NSSE) school-wide goals for student learning.

## English Objectives

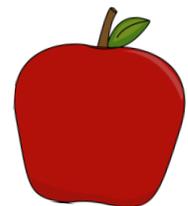
### A Sample of What Your Student Will Be Working on in 12th Grade

- Identifying and using literary elements in an essay.
- Writing in a variety of formats using various elements to increase interest and communicate clearly.
- Discerning meaning of vocabulary words through study of Greek and Latin prefixes and roots.
- Recognizing and using context clues to determine meaning of vocabulary.
- Selecting the pronoun with the correct case to use with a gerund or an infinitive.
- Correcting sentences exhibiting incorrect reflexive or intensive pronouns or incorrect courtesy order.
- Choosing the correct pronoun to avoid shifts in person and number.
- Correcting pronoun-antecedent problems in sentences with collective nouns and indefinite pronouns as antecedents.
- Distinguishing intellectuality from intellectualism.
- Becoming familiar with general religious and educational aspects of the Renaissance; studying literature from the Tudor Period by looking at political events, social and economic conditions, religion, and culture of that time.
- Recognizing the power of the pen in the furtherance of God's kingdom on earth.
- Understanding that history shows God's concern for and involvement in human events, and is directed toward a specific end.

### Talking with the Classroom Teacher

Teachers work with their team to write lessons that meet the learning objectives of the school and curriculum, and are happy to speak with you about your child's progress. The co-teacher's role is to oversee the implementation of instructions from the classroom teacher such as homework assignments, follow-up study over covered material, review needed for the next class, and monitoring academic progress at home, including the timely submission of all assignments. Here are some possible topics to discuss with the teacher:

- Is my child meeting the expectations of homework assignments? Are there any study skills we should be working on at home to prepare for college? Do you have suggestions on how best to prepare for exams?
- How well is my child comprehending class novels? Is my child participating in class discussions about the novels?
- Is my child using correct spelling, punctuation, and grammar in his or her writing?
- How can I encourage increased independence in class and on home assignments?



# Mathematics Objectives

## A Sample of What Students Will Learn in Precalculus

- Evaluating trigonometric functions using the unit circle; using domain and period to evaluate sine and cosine functions.
- Converting between degree and radian measure.
- Using methods of substitution and graphing to solve systems of equations in two variables.
- Plotting complex numbers in the complex plane and finding absolute values of complex numbers.
- Using systems of linear equations in three or more variables to model and solve real-life problems.
- Using matrices and Gaussian elimination to solve systems of linear equations.
- Recognizing, writing, and finding the  $n$ th terms of geometric sequences.
- Recognizing that design is proof of the Designer.
- Understanding that the revelation of God's order of physical creation also gives insight into the entirety of creation, including the way things function spiritually.

## A Sample of What Students Will Learn in Calculus

- Evaluating limits numerically, graphically, and analytically.
- Finding the derivative of a function, both with the limit definition and with derivative rules.
- Using derivatives to determine where a function is increasing or decreasing.
- Solving optimization problems using derivatives.
- Estimating the area under a curve using Riemann sums.
- Finding definite and indefinite integrals of functions.
- Creating and interpreting slope fields to approximate solutions of differential equations.
- Finding the area of a region between two curves.
- Finding the volume of solids of revolution and solids with known cross sections.
- Recognizing mathematics as God's means of communicating His order for the purpose of man's stewardship (Dominion Mandate), revealing Himself, and provoking worship.

## A Sample of What Students Will Learn in Consumer Math

- Using dimensional analysis to convert between measures.
- Understanding the difference between income and deduction; knowing types of wages and taxes.
- Understanding different types of banking, checking accounts, and balancing a checkbook.
- Identifying types of savings accounts; calculating simple interest.
- Understanding the differences between stocks, bonds and money markets.
- Understanding retirement and benefits/risks of a 401k.
- Defining types of compensation and benefits.
- Learning difference between a W2 and W4.
- Identifying personal financial goals; making an appropriate budget for a standard full-time college student.
- Classifying costs of car ownership; computing liability, collision, and comprehensive car insurance premiums.
- Understanding that God calls us to be wise with our finances.

## Talking with Your Child's Teacher

See previous page for classroom teacher and co-teacher roles. If needed, here are some possible topics to discuss with the teacher:

- Is my student's work satisfying classroom and home day expectations?
- Am I doing what I need to do to help my child at home?
- Does my child appear to be focused on completing tasks or on learning the concepts?
- How can I help my child develop study and time management skills?
- Would my child benefit from working with a tutor?



## Helping Your Child at Home

Scripture teaches that parents are responsible for their children's education and discipline. The school is not a substitute for the home, but a means through which parents fulfill the responsibility the Lord has given them. Legacy seeks to give parents greater access to their children's scholastic lives in a university-model structure.

As you work with your student at home, you will stay informed of what your child is working on, which will help you identify areas in which your child needs help or enrichment. If your child is struggling with concepts or workload, you are encouraged to immediately share this information with your classroom teacher to encourage partnership. Additionally, the High School Guidance Counselor and school principal are available to help with questions about course and credit requirements.