

Course Descriptions

Credit courses meet requirement of SACS

Algebra I

This is a course in which the student develops the ability to use symbols representing unknown quantities. Symbolic manipulation in solving simple equations is emphasized along with the basic operations of addition, subtraction, multiplication, and division. Exponents, roots and graphing are used extensively. The student is introduced to the application of algebra in solving word problems.

Algebra II

Students taking Algebra II must have a thorough understanding of Algebra I. After a review of Algebra I, students learn to solve more complex equations, fractional equations are studied extensively, and the conic sections are considered: logarithms and exponential functions are introduced along with sequences and series. Applied work problems are an essential feature of the course.

Basic Communications

This course is one element of the enrichment sequences typically taken by Pine Crest students in the 9th grade. It is a requirement for graduation. It aims at developing a student's ability to communicate verbally with an audience. By introducing each student to a variety of speaking situations and goals, the course provides students with the knowledge, confidence and experience necessary to confront rather than avoid the public speaking opportunities they will encounter throughout life. Each student will organize, prepare, and deliver seven speeches during the two-week course.

English I ,II, III, IV

These classes will cover grammar, vocabulary, reading comprehension and composition skills as required to pursue the next level of English Language study.

Ethics

This course is one element of the enrichment sequence typically taken by Pine Crest Students in the 9th grade. It is a requirement for graduation. Students will read and study philosophers from Socrates to Sartre in an attempt to examine life and its many choices. Daily life applications of universal principles and discussions of modern ethical conflicts will be the focus of this two-week Summer School course.

Geometry

This is a study of plane figures and their properties. The approach is axiomatic, beginning with basic assumptions. The application of logical proof establishes the important properties of triangles, circles, and polygons. **Students usually enter the course having previously taken Algebra II.**

Interactive Metronome

IM – Powered Training is a computer-based program backed by scientific research and used to benefit a student in focus, short-term and long-term memory, processing information in a more accurate and efficient manner, and timing for improved coordination and thinking skills.

Math Skills for SAT-I Preparation

This two-week course provides students with a review of the basic math skills needed for the SAT-I. Students will be given practice tests with the various question formats such as column comparison, multiple choice, and free response. Test-taking strategies will also be covered.

Physics

This course utilizes the three-stage learning cycle, in which emphasis is placed on learning physics through exploration and experimentation. Once the concepts are clearly understood, application will take place through problem solving. The fundamental principles of mechanics, heat, wave motion, sound, light, electromagnetism, and the atom will be introduced. No mathematics beyond Algebra I is required.

Pre-Calculus

This course begins with a review of Algebra II and then proceeds to topics in advanced algebra. These include equation solving, conic sections, functions, math induction, and a thorough course in trigonometry. The course prepares students for Advanced Placement Calculus. Use of the T182/3 Graphing Calculator may be required at the discretion of the instructor.

Principles of Drama

This course is one of the enrichment sequence typically taken by Pine Crest students in the 9th grade. It is a requirement for graduation. It will provide an introduction to various acting techniques. It will include the study and practice of voice usage, facial expression and body language, using exercises as well as pantomime and improvisation. Students will perform short scenes daily, both rehearsed and unrehearsed. The course will include the use of audio-visual materials to review the various acting styles.

Spanish I, II, III

These courses are designed for the novice, intermediate or advanced student. Students will acquire, maintain, and refine their skills in the language. Listening, speaking, reading, and writing skills will be the focus of activities for all levels of ability. The low student to teacher ratio provides excellent opportunities for students to practice their speaking and listening skills

Writing and Verbal Skills for SAT-I Preparation

This course focuses on a variety of vocabulary-building and reading comprehension strategies aimed at strengthening verbal skills required for success on the SAT-I. The course offers specialized instruction in analogies, sentence completions and reading comprehension that includes practice testing. The two-week session will also cover general test-taking strategies culminating with a variety of timed tests.

Pine Crest

Summer School
2004
June 7 – July 23

N. A. Huebsch, Jr., Ph.D.
*Upper School Head, &
Summer School Director*

David E. Clark
*Assistant Upper School Head &
Dean of Students*

Mildred Willis
Summer School Coordinator

*Pine Crest School Accreditations:
Southern Association of Colleges and Schools
Florida Council of Independent Schools
Association of Independent Schools of Florida*

Pine Crest School
1501 NE 62nd Street
Fort Lauderdale, FL 33334
(954) 492-4156 or Fax (954) 492-0362

