

SCHOOL DISTRICT OF PHILADELPHIA

GRADE-LEVEL EDUCATIONAL GOALS
PARENT REFERENCE GUIDE

11TH GRADE

ENGLISH

By the end of the school year, your eleventh grader should be able to:

- Make informed decisions about their learning
- Grow in their understanding of the evolution of the American identity through analysis of American literature
- Write in a variety of modes, with emphasis on the persuasive essay

MATHEMATICS

By the end of the school year, your eleventh grader should be able to:

Algebra 2:

- Explore connections between patterns, relations, and functions
- Extend topics learned in Algebra 1 and Geometry topics
- Strengthen problem-solving skills

Precalculus:

- Explore classes of functions
- Communicate using clear math language, diagrams, and symbols
- Prepare for higher level mathematics

SCIENCE

By the end of the school year, your eleventh grader should be able to:

Chemistry

- Build an understanding of the basic concepts in chemistry
- Explore the composition of compounds in the form of atoms
- Analyze patterns of the periodic table
- Examine the properties of elements

Physics

- Build an understanding of the basic concepts in physics
- Describe the concepts of displacement, speed, velocity, and acceleration and apply the mathematics to support these concepts
- Examine force and Newton's Laws of Motion, including mass and acceleration

SOCIAL STUDIES

By the end of the school year, your eleventh grader should be able to:

- Identify, investigate, and assess the effectiveness of the institutions of the emerging republic
- Analyze the issues that led to the Civil War, the effects of the war, and the impact of Reconstruction on the nation
- Demonstrate an understanding of African American life and cultural contributions through 1860
- Analyze the roles of African Americans played in the development of this nation
- Acquire an understanding of the issues confronting contemporary African Americans in the continuing struggle for equality
- Analyze United States involvement in World War II and the war's influence on international affairs in following decades
- Identify and analyze trends in domestic and foreign affairs of the United States from 1973 to the present
- Describe and trace economic, political, and social developments and assess their significance for the lives of Americans from 1945 -1980



HEALTH/PHYSICAL EDUCATION

By the end of the school year, your eleventh grader should be able to:

- Understand the relationship between physical, mental, emotional and social health throughout adulthood
- Explain fetal development and the importance of pre-natal care
- Know how to access consumer information and help
- Know strategies for dealing with individuals who are exhibiting dangerous behaviors
- Demonstrate proficiency in at least two physical activities

ART AND MUSIC

By the end of the school year, your eleventh grader should be able to:

Art

- Demonstrate advanced ability in the use of art media, techniques and processes
- Present a portfolio of work that shows their art skills and personal understanding of their work
- Know about the wide variety of careers in the visual arts
- Write a critique of a particular work of art seen in a museum or gallery

Music

- Sing and play varied repertoire demonstrating good intonation, tone quality, breath control, and articulation
- Improvise vocally and instrumentally harmonizing parts and original melodies over given chord progressions
- Compose and arrange music in several distinct styles for voices and various instrumental ensembles
- Write reviews of musical performances based on musical styles and production quality, and compare similar performances

WORLD LANGUAGES

The following World Languages are offered in our high schools: Arabic, Mandarin Chinese, French, German, Italian, Latin, Russian and Spanish. Students will learn to communicate in the target language and understand the culture which includes: history, traditions, customs, celebrations, music, art and everyday life.

- Topics for Level 1 are: Greetings, Introductions and Farewells; Numbers and Practical Uses; Identification and Description; School; Family; Places in which we live; Food; Shopping and Clothing
- Topics for Level 2 are: Fundamentals; City Life; Keeping Fit: Body & Mind; I know what you did last...; Remembering my childhood; My world, my future; Global travel and vacations
- Students receive a variety of assessments including benchmarks
- Students are encouraged to practice speaking the target language at home and attend cultural events in the community

High School Graduation Requirement – Students must earn 23.5 credits, which include:

- 4 English credits: English 1, 2, 3 and 4
- 3 Math credits: Algebra 1, Geometry and Algebra 2
- 3 Science credits: Physical Science, Biology and Chemistry
- 4 Social Studies credits: World History, African American History, American History and Social Science
- 2 World Language credits: Levels 1 and 2 of the same language
- 1 Physical Education credit
- .5 Health Education credit
- 2 Arts and Humanities credits
- 4 Elective credits: One must be a 4th credit in Science, Math or an Advanced Placement (AP) or International Baccalaureate (IB) course

Note: A Multidisciplinary Project/ Service Learning Project is a graduation requirement