

SCHOOL DISTRICT OF PHILADELPHIA

GRADE-LEVEL EDUCATIONAL GOALS
PARENT REFERENCE GUIDE

10TH GRADE

ENGLISH

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

- Apply the skills and strategies learned in grade 9 to more extended and sophisticated texts and writing assignments
- Read stories from different parts of the world
- Prepare for standardized tests
- Discover their own individual interests

MATHEMATICS

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

Geometry

- Explore the properties of geometric shapes
- Use geometric language to communicate
- Build reasoning and justification skills
- Use technology tools

Algebra 2

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

SCIENCE

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

Biology

- Build an understanding of the basic concepts in biology to describe living things and their impact on the environment
- Identify the foundation of the chemical basis of life
- Observe and describe the structure of cells and cell processes
- Examine the basis of inheritance, including the structure and function of DNA

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

SOCIAL STUDIES

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

- Demonstrate an understanding of the physical and human geography of Africa
- Investigate the Nile Valley Civilizations
- Demonstrate an understanding of African American life and cultural contributions through 1860.
- Analyze the roles of African Americans during the Civil War and Reconstruction
- Examine the rise of Jim Crow and its effects on the life experiences of African Americans in the late nineteenth and early twentieth centuries
- Acquire an understanding of the issues confronting contemporary African Americans in the continuing struggle for equality
- Examine the chronology and genealogy of African civilizations



HEALTH/PHYSICAL EDUCATION

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

- Demonstrate communication skills in building and maintaining healthy relationships
- Analyze roles and responsibilities of parenting
- Evaluate sources of food and nutrition information and safe handling of food
- Explain the relationship between health habits, quality of life and disease
- Maintain healthy levels of physical activity

ART AND MUSIC

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

Art:

- Demonstrate advanced ability in the use of art media, techniques and processes
- Describe, analyze and interpret a work of art orally and in writing using art vocabulary
- Write a critique of a particular work of art seen in a museum or gallery

Music:

- Sing and play repertoire in tune with good quality, phrasing, and musicality
- Demonstrate the ability to read and compose music for voices and various instruments
- Classify music by genre, style, and historical period
- Write reviews of musical performances based on musical styles and production quality

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