



AAJHS 7th
Grade
Course Book

ENGLISH



Academic English 7 – (Year Course)

Academic English in seventh grade stresses composition and communication skills. Students study grammar, usage, sentence structure, composition, and mechanics of writing. Students practice the elements of speech and begin to study the elements of fiction. Literature selections include selected short stories, poetry, nonfiction selections, and optional novels. Vocabulary building is emphasized.

During the year, students are required to write essays in each of the three modes of writing: narrative, expository, and argumentative.

At the end of this course, students will be able to:

- Use the writing process in a variety of types of writing, including writing to a prompt, expository, narrative, argumentative, and descriptive writing.
- Produce properly edited writing samples with correct spelling, punctuation, capitalization, and sentence structure.
- Use proper grammar in speaking and writing.
- Locate facts and document sources.
- Understand literary terminology.

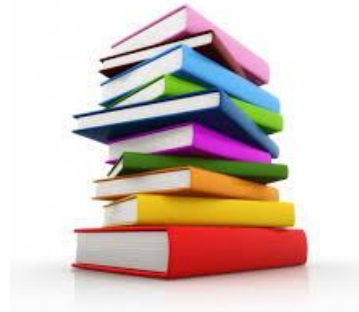
English 7 - (Year Course)

Students in seventh grade English focus on the skills needed in written communication. Topics include grammar, usage, sentence structure, paragraph writing, and mechanics of writing. Students are also required to write essays. Students learn to use reference tools and the library. Vocabulary development and spelling improvement are stressed. Students read a variety of literature including short stories, poetry, and nonfiction selections.

At the end of this course, students will be able to:

- Use the writing process in a variety of types of writing, including but not limited to, narrative, argumentative, and expository writing.
- Produce properly edited writing samples
- Use proper grammar in speaking and writing.
- Locate facts and document sources.
- Understand literary terminology.

READING



Reading 7 (Year Course)

Developmental Reading in grade seven is a required course for all seventh grade students. The course will emphasize literature, vocabulary development, and word attack skills supplemented by writing. This course seeks to equip students with basic reading skills, develop critical judgment skills, enhance student enjoyment of reading, and improve knowledge and use of study skills.

- Analyze literature through Close Reading.
- Read and analyze classical, contemporary and ancillary novels.
- Read and analyze non-fiction print selections.
- Read and enjoy novels, poems, short stories and non-fiction articles recreationally.
- Identify and define Greek and Latin roots and affixes to decipher word meaning.
- Utilize context clues to decipher word meaning.
- Develop vocabulary of target words found in reading selections.
- Comprehend, recall and cite key facts and concepts from print sources.
- Increase reading speed and retention of various types of printed materials.
- Use critical judgment to solve problems and predict outcomes.
- Participate meaningfully in discussion of a given piece of literature.
- Use study techniques in reading, note taking, study, and test taking.
- Respond in written form to various readings, reflecting content of selection, and extending content to self and other issues.
- Apply and improve research through the use of technology.
- Produce projects and other works related to the literature being studied.

MATHEMATICS



Academic PA Core Math 7 (Year Course)

This course is designed to provide the prerequisite skills necessary for the study of Academic Algebra I. Topics include: decimals, fractions, percents, properties of reals, measurements, graphs, geometry, equations, inequalities, transformations, constructions, permutations and combinations and systems in the coordinate plane. Upon completion of the course, the student will be able to:

- Read, write order, and compute whole numbers, fractions and decimals.
- Use variables in simplifying expressions.
- Use variables to solve one- and two-step equations.
- Solve and graph inequalities.
- Use order of operations to simplify expressions.
- Use formulas to problem-solve involving distance, perimeter, area & volume.
- Solve problems involving ratio, proportion and percents.
- Graph on the coordinate plane.
- Compute central tendency statistics.
- Compute probabilities.
- Define and use number theory.
- Compute with real numbers.
- Compute with integers.
- Apply laws of exponents.
- Apply the transformations of reflections, translations, and rotations.
- Construct basic geometric constructions.
- Solve and graph systems in the coordinate plane.

PA Core Math 7 (Year Course)

This course is designed to provide the prerequisite skills necessary for the study of Algebra I. The academic and general levels of the course differ in the rigor of exercises and slightly in content. Topics include decimals, fractions, percents, properties of real numbers, measurements, graphs, geometry, equations and inequalities. Upon completion of the course, the student will be able to:

- Read, write order, and compute whole numbers, fractions and decimals.
- Use variables in simplifying expressions.
- Use variables to solve one- and two-step equations.
- Solve and graph inequalities.

- Use order of operations to simplify expressions.
- Use formulas to problem-solve involving distance, perimeter, area & volume.
- Solve problems involving ratio, proportion and percents.
- Graph on the coordinate plane.
- Compute central tendency statistics.
- Compute probabilities.
- Define and use number theory.
- Compute with real numbers.
- Compute with integers.
- Apply laws of exponents.

Elements of Mathematics I – Grade 7 (Year Course)

This course will introduce the student to Pre-Algebra concepts while also expanding upon Elementary Mathematic topics. This course will integrate many different types of problem-solving situations throughout the text. Upon completion of this course, students will be able to:

- Perform operations with whole numbers, fractions and decimals.
- Utilize order of operations to solve and simplify equations.
- Compute with real numbers.
- Solve arithmetic and geometric sequences.
- Apply basic properties of Geometry.
- Solve one-step equations and inequalities.
- Measure using both customary and Metric unit systems.
- Display and analyze data
- Solve problems involving ratio, proportion, and percents.
- Graph on a coordinate plane.
- Become familiar with PSSA Mathematical vocabulary.
- Explore probability.
- Explore integers.

SOCIAL STUDIES

Academic World Geography 7 (Year Course)

This course will bring together a unique integration of culture, history, economics, and government as well as geography. The five fundamental themes of geography will be



the focus while exploring the variety of issues and challenges faced by each region of the world. Aspects of both physical and human geography will be analyzed throughout the various regions of the world. With this study, databases, graphs, charts, and multimedia will be utilized. Upon completion of the course, students will be able to:

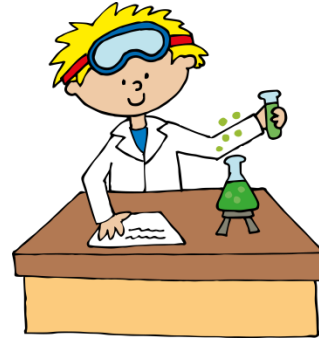
- Describe and compare the physical and cultural characteristics of places.
- Analyze the spatial organization of people, places, and environments on the earth's surface.
- Create and analyze different kinds of maps.
- Identify and explain the changes that occur in the meaning, use, distribution, and importance of resources.
- Compare and contrast the principles of absolute and relative location.
- Study the past of cultures and how it influences their region today.
- Identify how globalization influences the regions of the world.
- Evaluate different cultural and economic differences between countries.

World Geography 7 (Year Course)

This course will bring together a unique integration of culture, history, economics, and government as well as geography. It will highlight the five fundamental themes of geography. Students will explore the issues and challenges faced by each region of the world. Physical features, place locations, climate, population, and the cultural aspects of these regions will also be studied. Various types of maps, tables, graphs, and databases will be utilized. Upon completion of the course, students will be able to:

- Recognize and describe the physical and cultural characteristics of places.
- Analyze the spatial organization of people, places, and environments on the earth's surface.
- Read and interpret different kinds of maps.
- Interpret changes that occur in the meaning, use, distribution, and importance of resources.
- Distinguish and apply the principles of absolute and relative location.
- Apply geography to interpret the past.
- Recognize patterns and networks of economic interdependence between nations.
- Explain how culture and history influence people's perceptions of places and regions.
- Describe and compare cultural and economic differences between countries.
- Describe how location and climate influence the way of life and cultural differences between countries.

SCIENCE



Integrated Science 7 (Year Course)

As a result of activities in Integrated Science 7 all students should develop:

- Abilities necessary to do scientific inquiry.
- Understanding about scientific inquiry.
- Skills related to technological design.
- Understanding about the relationship between Physics, Chemistry, Biology, Earth Science and Technology.

Content includes a focus on the following:

- Motions and forces.
- Biodiversity.
- Structure and properties of matter.
- Chemical reactions.
- The cell.
- Matter, energy, and organization of living systems.
- The interdependence of organisms.
- Natural resources.
- Science and technology in local, national and global challenges.
- Environmental quality.
- Science as a human endeavor.

ELECTIVES



Information Processing 7

(Semester Course)

The Information Processing course provides students with an opportunity to have a systematic introduction to basic computer skills. Students learn about key computer system components as well as essential Windows navigation skills. To facilitate their utilization of the computer, students are taught keyboarding skills. They are also engaged in the operation of application software programs using Microsoft Office that focus on word processing, spreadsheets, and database. Internet navigation skills are taught to provide students with effective search techniques, Internet safety, and citing.

- Students will identify and utilize correct posture and fingering for keying
- Students will list and describe various computer terminology
- Students will explain and model the use of proofreading marks on a mistyped document
- Students will construct block-format business letters
- Students will identify and explain unsafe internet practices
- Students will utilize Microsoft Excel to create charts and graphs
- Students will prepare presentations using Microsoft PowerPoint

Family and Consumer Sciences 7 (Semester Course)

Family and Consumer Sciences is a required exploratory course for all seventh grade students. It is composed of nine weeks each of Human Development and Foods, Nutrition and the Consumer.

The Foods, Nutrition and the Consumer course includes instruction on:

- Food preparation techniques
- Food safety
- Etiquette and table setting

- Nutrition - MyPlate.gov and the Dietary Guidelines
- Consumer skills

The Human Development course includes instruction on:

- Personal development
- Character education
- Relationship skills focusing on conflict resolution, family and friendships
- Child development
- Teen pregnancy prevention project using the RealCare Baby

Health 7 (Semester Course)

The junior high school health course is designed to provide the student with the knowledge and information necessary to maintain physical, emotional, and social well being. This semester course is intended for all seventh grade students. The areas of study include wellness, growth and development, fitness, appearance, safety and first aid, sexuality, AIDS, and drugs and alcohol. Upon completion of this course, the students will be able to:

- Develop an awareness of the impact of self-esteem upon their own and others lives.
- Develop a personal total fitness program.
- Develop an awareness of the biological, emotional, and social aspects of human relationships.
- Follow the proper procedures in handling life-threatening emergencies and minor injuries.
- Develop an awareness of the impact of use/abuse of substances upon the individual, the family, and society.
- Recognize that good health/wellness is multi-dimensional – physical, mental, and social.
- Develop and awareness of the body's systems and the decisions that need to be made for wellness.

Physical Education 7 (Semester Course)

Physical Education class is required of all students. Students participate in a planned semester physical education program. The planned program consists of physical

fitness evaluation, lifetime and recreational activities, individual and team sports, and aerobic and cardiovascular conditioning. This three-year program is designed to give each student a competency level for future use and an interest that can be fostered throughout life. Upon completion of this course, the students will be able to:

- Demonstrate knowledge of safety procedures and respect the importance of safety in all activities.
- Demonstrate knowledge of rules, information, and strategies in various activities, which will better enable participation in each activity.
- Develop basic skill levels to facilitate participation in each activity.
- Acquire the ability and knowledge to assess individual physical fitness level and take part in various activities that enhance physical fitness, wellness, and cardiovascular capacity.
- Demonstrate social skills required to work effectively within a group and for the benefit of the group as a whole.
- Demonstrate the appreciation of the rewards received by participation in competitive activities.
- Demonstrate the ability to apply physical education to life.

Chorus - Grades 7/8/9 (Electives) (Year Course)

Students in this elective must have an interest and ability in singing. Prior experience in the choral program at the elementary or junior high level is preferred, but not necessary. This course offers students a comprehensive experience in the choral art with explorations of various music genres, sight singing, the reading and comprehension of basic notation and score reading. Two concerts, winter and spring, will require students to attend after school rehearsals and performances. Upon completion of the course, the student will be able to:

- Sing with proper vocal techniques including posture, breathing and vowel placement
- Sing a variety of styles of music in various languages
- Know and use musical terminology as it relates to the choral art
- Sing basic to intermediate level melodic passages on sight (8/9)
- Perform with the chorus in two concerts
- Understand the contribution the choral art makes to society and culture

Band – Grades 7/8/9(Electives) (Year Course)

Students in these electives must have an interest and ability in playing woodwind, brass, or percussion instruments. Prior experience in the band program at the elementary or junior high level is preferred, but not necessary. This course offers students a comprehensive experience in both marching and concert band through

performance at football games, community parades, and concerts. Students will explore various music genres, sight reading, the reading and comprehension of basic notation and musical interpretation. Students will be required to attend after school rehearsals and performances. Upon completion of the course, the student will be able to:

- Play with proper techniques including posture, breathing, articulation, dynamics, pitch, and tone production
- Play a variety of styles of music in both marching and concert settings
- Know and use musical terminology as it relates to the band music performance
- Play basic to intermediate level melodic passages on sight (8/9)
- Perform with the bands in several concerts, several parades, and multiple field marching performances
- Understand the contribution the band art and participation makes to society and culture.

String Ensemble – Grades 7/8/9 (Year Course)

Students in these electives must have an interest and ability in playing the violin, viola, cello, bass, or harp. Prior experience in the orchestra program at the elementary or junior high level is preferred, but not necessary. This course offers students a comprehensive experience in orchestral music through performance at concerts and community events. Students will explore various music genres, sight reading, the reading and comprehension of basic notations and musical interpretation. Students will be required to attend after school rehearsals and performances. Upon completion of the course, the student will be able to:

- Play with proper techniques including posture, technique, articulation, dynamics, pitch, and tone production
- Know and use musical terminology as it relates to the music performance
- Play basic to intermediate level melodic passages on sight (8/9)
- Perform with the orchestra in several concerts and community events
- Understand the contribution music makes to society and culture

OTHER



Challenge Based Learning (CBL) 7 (Year Course)

Challenge Based Learning is a cross-curricular review of key concepts examined in core component coursework providing extra time to develop skills and deeper knowledge acquisition. In 7th Grade Challenge Based Learning, teachers provide enrichment lessons/activities each marking period which reflect core subject curriculum. Students who exhibit studiousness, a strong work ethic, and self-motivation are rewarded in a variety of enrichment activities/lessons. Students who need individualized instruction or those who have fallen behind academically are required to use CBL to complete missing assignments and/or have individual or group re-teaching. Teachers rotate students within each core subject so that all students receive equal time in each subject area.

CBL will also be utilized for:

- Progress monitoring
- Targeting areas of weakness/need for individual students
- Periodic diagnostic testing