Adrian Community High School

PROGRAM OF STUDIES

2023-2024

Updated June 2023 AP

COURSE DESCRIPTIONS

This Program of Studies contains short descriptions of courses. The description is summarized as student outcomes and student activities. The outcomes and activities listed are ones intended to help the student choose their courses. The outcomes and activities listed are NOT intended to be complete or all inclusive. They are stated only to help you and your student know the essence and direction of the course.

You need to pay special attention to requirements for each course.

TO THE PARENTS

Parental involvement is an integral part of the scheduling process to ensure that the choices are sound and that they will help your student move towards graduation. Careful consideration must be given to both required course selections as well as elective class choices. The requirements are listed on the "Graduation Requirements" chart.

STUDENT SCHEDULING PROCESS

The information in this Program of Studies will assist you in making your course selections. • Read all General Information • Review the Adrian Virtual Graduation Requirements.

Schedules are provided to each student at the beginning of the school year or upon enrollment. Schedules are based on the student's needs. Any changes in a student's schedule should be handled through the graduation coach or school director. Students may be denied course enrollment due to the need to pass prerequisites. Students are expected to complete their schedules.

GRADUATION REQUIREMENTS

(1 course per semester = .5 credits)

CREDITS	CURRICULUM	REQUIRED COURSES
4	**ENGLISH**	English 9, English 10, English 11, English 12
4	**MATH**	Algebra, Geometry, Algebra 2, Senior Math
3	**SCIENCE**	Biology, Chemistry or Physics, plus one credit of additional science credit
3	**SOCIAL STUDIES**	Civics, Economics, US History and World History
1	**PHYSICAL EDUCATION & HEALTH**	Health and Physical Education
1	**PERFORMING, APPLIED, OR VISUAL ART**	Includes Art, Music, and Tech courses
2	**WORLD LANGUAGE**	Spanish
Total **18+ credits**	***ADDITIONAL REQUIREMENTS*** • **Students must take all components of the Michigan Merit Exam.**	

PARENT NOTIFICATION: Parents are notified of their student's progress regularly through report cards, progress reports, and Edmentum online login access.

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COURSE REQUIREMENTS: Credit toward graduation is earned by passing individual elective and required courses. Credit is granted upon meeting the minimum requirements/objectives for each course.

GRADUATION: Student progress at the high school level is measured by the number of credits earned. This is a combination of required and elective course work over 4 years.

EDUCATIONAL DEVELOPMENT PLAN

WHAT IS AN EDP?

An Educational Development Plan is a plan of action in which students identify and record career goals and pathway to achieve personal achievements, work experiences, and much more.

WHAT IS THE PURPOSE OF THE EDP?

The purpose of the EDP is to assist students in developing an ongoing record of career planning that will guide them in taking effective steps to enter or to advance career choices. It is instrumental in their planning of courses for high school and beyond. It provides many resources regarding careers and post-secondary education and training.

WHO SHOULD HAVE AN EDP?

EDP's are required for students in grade 7 through 12.

HOW OFTEN ARE EDP'S UPDATED?

The EDP should be updated each year. It is designed to be a progression of planning activities as students advance from one grade to the next.

WHAT IS THE ROLE OF THE PARENT?

Parents/Guardians can help their children discover jobs that relate to their interests and hobbies. They can also create an atmosphere of career awareness in the home and explore training/college preparation needs for various careers. Helping children to understand what they can be is the first piece to the puzzle.

HOW CAN I LOOK AT MY CHILD'S EDP?

Please contact the school counselor for this information.

USING CAREER PATHWAYS

"Failure to prepare, is preparing to fail." John Wooden

A pathway is a route taken to a destination. Sometimes pathways are well defined and direct, while other times they can wander and change course. In either case, the more time you spend planning your route, the less likely you will fail. Changing your mind about your future is okay. Pathways should not be viewed as separated tracks that never join. Instead, they are more like the highways on a map, with each one connecting to every other, directly or indirectly, creating many opportunities for you to choose your own route to explore your personal interests and strengths.

The purpose of this booklet is to help students and parents make better decisions when planning for the future. It contains information about classes that a student might take at Adrian High School to better prepare him/her for post-secondary opportunities. This information is for any student whether he/she is thinking about entering the workforce immediately after graduation, attending a technical school or community college, or pursuing a four-year or graduate degree. We encourage each student and parent to review the information in this booklet and use it as a guide to select the best pathway to the future.

Career Pathways & Career Options

Arts & Communications Careers in arts and communications relate to the humanities and to the performing, visual, literary, and media arts.

Health Sciences Careers in health sciences are for people who are interested in promoting good health, treating injuries, health conditions, or controlling diseases.

Business, Management, Marketing & Technology Careers in business, management, marketing, and technology require attention to detail, calculating, coordinating, implementing, and evaluating.

Human Services Careers in human services focus on helping people learn, protect themselves and others, solve problems, and attend to their personal and consumer needs, rights, and responsibilities.

Engineering/Manufacturing & Industrial Technology Careers related to technologies necessary to design, develop, install, or maintain physical systems.

Natural Resources & Agriscience Careers in natural resources and agriscience are for people who are interested in the environment, how things grow and develop, and the outdoors.

ENGLISH

ENGLISH 9

English 9 introduces the elements of writing poems, short stories, plays, and essays. Grammar skills are enhanced by the study of sentence structure and style and by student composition of paragraphs and short essays. Topics include narration, exposition, description, argumentation, punctuation, usage, spelling, and sentence and paragraph structure.

ENGLISH 10

This course focuses on using personal experiences, opinions, and interests as a foundation for developing effective writing skills. Skills acquired in English I are reinforced and refined. Literary models demonstrate paragraph unity and more sophisticated word choice. A research paper is required for completion of course. Topics include grammar, sentence and paragraph structure, organizing compositions, and the research paper.

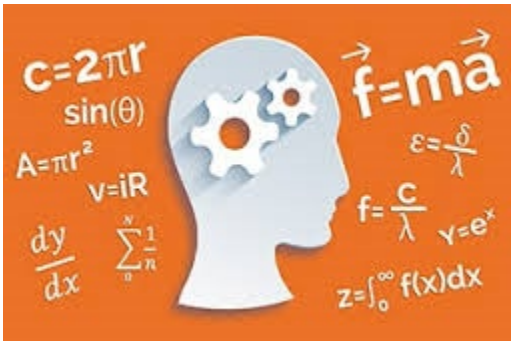
ENGLISH 11

English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era, and presents learners with relevant cultural and political history. Readings are scaffold with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

ENGLISH 12

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exempted pretests allow students to focus on content that they have yet to master.

MATHEMATICS



ALGEBRA 1

A comprehensive study of all of the concepts of Algebra I required to meet state and Common Core standards. With multiple opportunities for practice and review, students easily master skills including variables, linear equations, quadratic equations, function notation, and exponential functions.

ALGEBRA 2

Algebra 2 expands on the algebraic functions learned in Algebra I by bringing in concepts of linear, quadratic, and simultaneous equations; laws of exponents; progression; binomial theorems; and logarithms. The course units are competency-based. Learners experience new situations which they practice in a real-world environment and match to previous learning.

GEOMETRY

A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences.

SENIOR MATH

This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real-World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

PRECALCULUS

Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

PROBABILITY AND STATISTICS

This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.

INTEGRATED MATH 1

These two semester-long courses are designed to enable all students at the high-school level to develop a deep understanding of the math objectives covered and leave them ready for their next steps in mathematics. The courses are built to the Common Core State Standards. The three units in Semester A advance students through the study of single-variable expressions to systems of equations, while Semester B covers functions, advanced functions, and concludes with a practical look at the uses of geometry and trigonometry.

INTEGRATED MATH 2

Building on the concepts covered in Integrated Math 1, these courses are based on proven pedagogical principles and employ sound course design to effectively help students master rules of exponents and polynomials, advanced single-variable quadratic equations, independent and conditional probability, and more. Online and offline activities combine to create an engaging learning experience that prepares high school learners for their next step in their studies of mathematics.

INTEGRATED MATH 3

Beginning with the simplification of rational and polynomial expressions, Semester A takes students through the next steps in mastering the principles of integrated math. These two semester-long courses focus on meeting Common Core objectives with engaging and interactive content. Semester B begins with the derivation of the trigonometric formula for the area of a triangle, and proceeds through the use of functions and on developing the critical thinking skills necessary to make logical and meaningful inferences from data.

SCIENCE

BIOLOGY
Students develop a clear understanding of the sometimes-complex concepts at the root of life science. Course units cover genetics and evolution, cell structure, multiple units on the diversity of life and on plant structure and function. For example, the unit on cell structure and specialization drills down into mitosis, meiosis, and cancer and carcinogens.

CHEMISTRY
The course surveys chemical theory, descriptive chemistry, and changes in matter and its properties. Students learn how to classify different states of matter as well as how atoms and compounds are structured. Additional areas of discussion include chemical energetics, measurements, bonding, stoichiometry, ionization, hydrocarbons, oxidation and reduction. A variety of simple lab experiments are included.

EARTH AND SPACE SCIENCE
This course takes an in-depth look at the materials and processes that continuously shape the Earth and the Universe. It explores the effects that a growing human population has on Earth's natural resources and how scientific inquiry, technology, and environmental awareness can help to sustain our planet.

INTEGRATED PHYSICS AND CHEMISTRY
The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving.

LIFE SCIENCE
This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school life science. Content topics include cells and human body systems, structure and functions of living organisms, genes and adaptations, evolution, energy flow in ecosystems, and interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).
Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

PHYSICAL SCIENCE
This course is all about matter and energy. It discusses the atomic and molecular structure of substances and how chemical reactions lead to changes in properties of substances. The course also models how forces affect the motion of objects, including fields of force such as gravity, electricity, and magnetism. Students will see practical applications of forces and energy as they investigate simple machines, motors, generators, and electromagnets. They will also experience how sound, light, and heat interact with different forms of matter.

PHYSICS
Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.

SOCIAL STUDIES

CIVICS

Interactive, problem-centered, and inquiry-based, each unit in Civics emphasizes the acquisition, mastery, and processing of information. Every unit features both factual and conceptual study questions, Instructional strategies include Socratic instruction, student-centered learning, and experiential learning. Topics covered range from Basic Concepts of Power and Authority and National Institutions of Government to analyses of society and citizenship.

ECONOMICS

This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

U.S. HISTORY

This course not only introduces students to early U.S. History, but it also provides them with an essential understanding of how to read, understand, and interpret history. For example, the first unit, The Historical Process, teaches reading and writing about history; gathering and interpreting historical sources; and analyzing historical information. While covering historical events from the founding events and principles of the United States through contemporary events, the course also promotes a cross-disciplinary understanding that promotes a holistic perspective of U.S. History.

WORLD HISTORY

In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.

U.S. GOVERNMENT

The interactive, problem-centered, and inquiry-based units in U.S. Government emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

WORLD GEOGRAPHY

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

PHYSICAL EDUCATION AND HEALTH

HEALTH

This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.

PERSONAL FITNESS

What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have—yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.

PHYSICAL EDUCATION

This course's three units include Getting Active, Improving Performance, and Lifestyle. Unit activities elevate students' self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources. In addition to being effective as a stand-alone course, the components can be easily integrated into other health and wellness courses.

HEALTH AND PERSONAL WELLNESS

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

PERSONAL HEALTH AND FITNESS

This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and

physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

PERFORMING, APPLIED, OR VISUAL ART

ART HISTORY AND APPRECIATION

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

MUSIC APPRECIATION

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented perspective. In Music Appreciation, students will explore the history and evolution of music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

WORLD LANGUAGE

FRENCH 1

These courses are based on a researched scope and sequence that covers the essential concepts of French. Class discussions provide an opportunity for discourse on specific topics in French. A key support tool is the Audio Recording Tool that enables students to learn a critical skill for French: listening and speaking. Beginning with learning personal greetings and continuing through practical communications exchanges, French 1B introduces students to the skills necessary to make the most of traveling to French-speaking countries.

FRENCH 2

Each of these semesters is designed to build on the principles mastered in French 1 and use a combination of online curriculum, electronic learning activities, and supporting interactive activities to fully engage learners. Unit pretests, post-tests, and end-of-semester tests identify strengths and weaknesses, helping to create a more personalized and effective learning experience. As with French 1, these 90-day courses emphasize practical communication skills while also building intercultural awareness and sensitivity.

GERMAN 1

As with all Edmentum world language courses, German 1 A and B address two primary issues: providing a meaningful context that encourages learners to think in the target language as much as possible; and introducing grammatical concepts without over reliance on grammatical analysis. German 1A focuses on communicating basic and practical greetings and personal information. German 1B consists of five units over about 14 weeks, with an emphasis on a variety of practice types throughout the course.

GERMAN 2

According to *The Economist* and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent interest in their cultural past, present, and future. These courses employ direct-instruction approaches, including application of the target language through

activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German.

SPANISH 1

Spanish is the most spoken non-English language in U.S. homes, even among non-Hispanics, according to the Pew Research Center. There are overwhelming cultural, economic, and demographic reasons for students to achieve mastery of Spanish. Spanish 1A and B engage students and use a variety of activities to ensure student engagement and to promote personalized learning. These courses can be delivered completely online, or implemented as blended courses, according to the unique needs of the teacher and the students.

SPANISH 2

Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions. These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices.

SPANISH 3

Spanish 3A and B take a unique approach by setting the lessons in each unit in a specific Spanish-speaking locale, immersing students in the language and in a variety of Hispanic cultures and issues. For example, Unit 5 in Semester B includes a discussion of the environmental issues in Argentina. Concluding the three-year cycle of Spanish courses, Spanish 3A and B effectively combine group and individual learning and offer activities and assessments to keep students engaged an on track.

ELECTIVES

ACADEMIC SUCCESS

As in other areas of life, success in academics results from learning and practicing positive habits. This one-semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.

ACCOUNTING

The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This course empowers high school students with the essential skills they need to understand accounting basics. Lessons include Account Types (assets, liabilities, expenses, etc.), Fundamentals of Bookkeeping, Financial Statements, and Careers in Accounting. Engaging and relevant, this course particularly helps both those students with an accounting career orientation, and those in need of an overview of essential accounting principles.

CAREER EXPLORATIONS

The 21 lessons and additional activities in this one-semester course are fundamental to ensuring career readiness on the part of your students. Covering such essentials as developing and practicing a strong work ethic, time management, communication, teamwork, and the fundamentals of workplace organizations, Career Explorations develops not just essential skills, but the confidence in themselves and their abilities to present themselves that your students need as they prepare to embark on their chosen careers.

CAREER SKILLS

This course helps students understand and practice critical life and workplace readiness skills identified by employers, state boards of education, and Advance CTE. These skills include personal characteristics, such as positive work ethic, integrity, self-representation, and resourcefulness, as well as key people skills, communication skills, and broadly-applicable professional and technical skills. These skills are universally valuable but sometimes assumed or glossed over in more career-specific courses. For that reason, this provides students with a solid foundation in their career studies.

CREATIVE WRITING

This course is designed to get students to pursue creative writing as a vocation or as a hobby. To that purpose, it exposes them to different genres and techniques of creative writing, as also the key elements (such as plot and characterization in fiction) in each genre. Great creative writing does not come merely by reading about the craft—one also needs ideas; a process for planning, drafting and revising; and the opportunity to experiment with different forms and genres. The lesson tutorials in this course familiarize students with the basic structure and elements of different types or genres of writing. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in creative writing fields.

ENVIRONMENTAL SCIENCE

This course is designed to introduce students to the history of environmental science in the United States, ecological interactions and succession, environmental change, adaptation, and biogeochemical cycles. Students will learn about the importance of environmental science as an interdisciplinary field. They will describe the importance of biodiversity to the survival of organisms, and learn about ecological pyramids. They will discuss the effects of climate change and explore different types of adaptation. They will describe the steps of the water cycle, and discuss how carbon, oxygen, nitrogen, and phosphorous cycle in the global environment.

HEALTH SCIENCE 1

The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the health science industry. Semester A is designed to enable all students at the high-school level to understand the basic structure and function of the human body and it will help the students identify and analyze the diseases and medical procedures related to each body system. Semester B will help the students develop an understanding of biomolecules such as proteins, carbohydrates, and lipids; biological and chemical processes; and various diseases that affect the body.

HEALTH SCIENCE 2

This course is designed to enable all students at the high-school level to learn the basics of health science. The course will help the students develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.

NUTRITION AND WELLNESS

This course is designed to enable all students at the high school level to develop the critical skills and knowledge that they will need to be successful in careers throughout their lives. The course is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of careers and/or into postsecondary education.

PERSONAL FINANCE

Financial literacy is an increasingly essential capability as students prepare for the workforce, and this 18-lesson course provides the information they need to determine if a career in finance

is right for them. The course uses games and online discussions to effectively facilitate learning, while introducing your learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance.

SPEECH Public Speaking 1a: Introduction

Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking 1a: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public speaking!

SPEECH Public Speaking 1b: Finding Your Voice

If you've learned the basics and are ready to expand your public speaking skills, Public Speaking 1b: Finding Your Voice is for you. In this course, you'll master the fundamentals of public speaking through practice and eventually learn to speak confidently in front of large groups. Explore the use inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language. This course will also help you to develop self-efficacy and self-esteem, reduce your fear of public speaking, and teach you how to use body language effectively. You'll also learn how to stand back and critically examine your own work in order to identify areas for improvement.