

Computer and Technology Skills

Societal/Ethical Issues

- Use network terms and concepts related to LANs and WANs.
- Use ethical, safe and responsible behavior relating to issues such as security, privacy and personal information.
- Recognize how Copyright Laws protect ownership of intellectual property and discuss consequences of misuse.
- Demonstrate appropriate use of copyrighted materials in assignments/projects and other content area materials.
- Provide proper citation of sources of information used in word processing, databases, multimedia, spreadsheets and the Internet.
- Investigate the technological knowledge and skills needed for the workplace now and in the future including identifying and solving minor hardware and software problems, selecting and using appropriate tools to solve problems and make decisions.



Databases

- Demonstrate knowledge of why databases are used to collect, organize and report information in a variety of settings.
- Select and use two or more criteria to organize, interpret and display content data.
- Use, modify and edit databases to organize and interpret data, create reports, solve problems and make decisions in content areas.

Spreadsheets

- Demonstrate knowledge that spreadsheets are used to process information in a variety of settings.
- Use proper spreadsheet terms while entering/editing data, using features and functions, creating graphs/charts, projecting outcomes and testing "what if" statements in content areas.

Keyboarding/Word Processing/Desktop Publishing

- Demonstrate knowledge of the advantages/disadvantages of using word processing to present information to a variety of audiences.
- Demonstrate knowledge and use of WP/DTP concepts to create and publish assignments and projects.



- Use proper keyboarding techniques to improve accuracy, speed and general efficiency in computer operation.
- Use WP/DTP features to design, format, layout and publish content area assignments, projects and products.

Multimedia/Presentation

- Demonstrate knowledge of multimedia tools and concepts used by media to entertain, sell and influence ideas and opinions.
- Plan, design and develop a multimedia product using data (graphs, charts and databases) to present content information in the most effective way, citing sources.
- Create, modify and use rubrics to evaluate multimedia presentations for elements of organization, content, etc.

Telecommunications/Internet

- Demonstrate knowledge of responsible, safe and ethical use of networked digital information.
- Use a variety of collaborative tools to survey, collect and communicate information for content area assignments.
- Select, evaluate and use a variety of digital resources and information to research and present findings about the Eastern Hemisphere.
- Use evaluation tools to select Internet resources and information for content and usefulness in content area assignments.



CURRICULUM AND INSTRUCTION

Wayne County Public Schools does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities.

LEARNING OUTCOMES FOR SEVENTH GRADE



Wayne County Public Schools

ENGLISH/LANGUAGE ARTS

Expressive

- Use language to express individual perspectives in response to personal, social, cultural and historical issues.
- Narrate an expressive account.
- Respond to expressive materials that are read, heard and/or viewed.
- Interact in group settings.
- Reflect on learning experiences.

Informational

- Synthesize and use information from a variety of sources.
- Respond to informational materials that are read, heard and/or viewed.
- Use multiple sources of print and non-print information in designing and developing informational brochures, newsletters and infomercials.



Argumentative

- Refine the understanding and use of argument.
- Explore and analyze argumentative works that are read, heard and/or viewed.
- Explore and analyze the problem-solution process and create arguments that evaluate.

Critical

- Refine critical thinking skills and create criteria to evaluate print and non-print materials.
- Analyze the purpose of the author or creator.
- Develop (with assistance) and apply appropriate criteria to evaluate quality.
- Develop the stance of the critic.

Literacy

- Respond to various literary genres using interpretive and evaluative processes.
- Study the characteristics of literary genres (fiction, nonfiction, drama and poetry).

Grammar/Language Usage

- Apply conventions of grammar and language usage.
- Identify and edit errors in spoken and written English.

MATHEMATICS

Number and Operations

- Develop and use ratios, proportions and percents to solve problems.
- Develop fluency in addition, subtraction, multiplication and division of rational numbers.
- Solve problems that are relevant and authentic by using appropriate technology.

Measurement

- Draw objects to scale and use scale drawings to solve problems.
- Solve problems involving volume and surface area of cylinders, prisms and composite shapes.

Geometry

- Identify, describe and draw three-dimensional figures from various views.
- Solve problems related to similar and congruent polygons.
- Identify, define and describe similar and congruent polygons with respect to angle measures, length of sides and proportionality of sides.

Data Analysis and Probability

- Collect, organize, analyze and display data to solve problems.
- Calculate, use and interpret the mean, median, mode, range, outliers, frequency distribution and inter-quartile range of a set of data and describe how each affects its graph.

Algebra

- Use symbols, graphs, tables, diagrams and written descriptions to identify, analyze and create linear relations, sequences and functions.
- Solve problems using algebraic expressions, linear equations, formulas and inequalities.



SCIENCE

Scientific Inquiry

- Design and conduct investigations.

Technological Design

- Explore definitions, identify needs, evaluate and make informed consumer decisions.

Heredity and Genetics

- Explain genes, reproduction, traits, role of probability and transmission of disease.

Human Body System

- Analyze interactions, functions, adaptations, regulations, homeostasis, growth, environmental

influences and health decisions.

Atmosphere

- Study its composition, properties, structure, quality and hazards.

Motions and Forces

- Investigate simple machines, Newton's Law, relativity, characteristics and interactions.



SOCIAL STUDIES

Economics and Development

- Recognize the relationship between economic activity and the quality of life.

Geographic Relationships

- Use five themes of geography and geographic tools to answer geographic questions and analyze geographic concepts.

Historical Perspectives

- Assess the relationship between physical environment and cultural characteristics.
- Analyze the impact of interaction between humans and their physical environments.
- Identify significant patterns in movement of people, goods and ideas.

Government and Active Citizenship

- Assess connections between historical events and contemporary issues.
- Assess the influence and contributions of individuals and cultural groups.



Global Connections

- Analyze the different forms of government.
- Compare the rights and civic responsibilities of individuals in political structures.

Technological Influences and Society

- Recognize the common characteristics of different cultures.

Individual Identity and Society

- Assess the influence of major religious, ethical beliefs and values on cultures.

Cultures and Diversity

- Describe the historic, economic and cultural connections.