



CultureGrams Supports the Virginia Standards of Learning

Linking Libraries & Academic Achievement -- The Virginia Department of Education has developed the Linking Libraries and Academic Achievement Project. It correlates Virginia's Core Standards of Learning, *Virginia's Computer Technology Standards*, and the *Virginia Technology Plan* with the National Information Literacy Standards (AASL).

The goal of this initiative is to provide guidance to **school library media specialists** in the development of best practices for teaching and learning. The resource documents identify skills that students need in order to be successful in meeting the Virginia Standards of Learning. It also provides strategies and activities that integrate technology into the curriculum and fosters the development of information literacy skills that will enable students to become discriminating and efficient users of information.

NOTE: The **VEMA Standards** are integrated within each of the three standard levels listed below—ES, MS, and HS. Open the links in that section and choose the level from within—**Grades 3-5, 6-8, and 9-12.**

Elementary School Standards (Grades 3-5)

Math

4.20 The student will collect, organize, and display data in line and bar graphs with scale increments of one or greater than one and use the display to interpret the results, draw conclusions, and make predictions.

Oral language and Reading

- 4.2 The student will make and listen to oral presentations and reports.
- 4.5 The student will read and demonstrate comprehension of nonfiction.
- Use text organizers, such as type, headings, and graphics, to predict and categorize information.
 - Formulate questions that might be answered in the selection.
 - Make simple inferences, using information from texts.
 - Draw conclusions, using information from texts.
 - Summarize content of selection, identifying important ideas and providing details for each important idea.
 - Describe relationship between content and previously learned concepts or skills.
 - Distinguish between cause and effect and between fact and opinion.
 - Identify new information gained from reading.
- 4.6 The student will demonstrate comprehension of information resources to research a topic.
- Construct questions about a topic.
 - Collect information, using the resources of the media center, including online, print, and media resources.

- Evaluate and synthesize information.

Writing

- 4.7 The student will write effective narratives, poems, and explanations.
- Focus on one aspect of a topic.
 - Develop a plan for writing.
 - Organize writing to convey a central idea.
 - Write several related paragraphs on the same topic.
 - Utilize elements of style, including word choice and sentence variation.
 - Use available technology.
- 4.8 The student will edit writing for correct grammar, capitalization, spelling, punctuation, and sentence structure.

History and Social Science

- 3.5 The student will develop map skills
- 3.6 The student will interpret geographic information from maps, tables, graphs, and charts
- 3.12 The student will recognize that Americans are a people of diverse ethnic origins, customs, and traditions, who are united by the basic principles of a republican form of government and respect for individual rights and freedoms.

Computer/Technology

C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.

C/T 3-5.5 The student will demonstrate knowledge of technologies that support collaboration, personal pursuits, and productivity.

C/T 3-5.6 The student will use technology to locate, evaluate, and collect information from a variety of sources.

C/T 3-5.7 The student will use technology resources for solving problems and making informed decisions.

C/T 3-5.8 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

VEMA Library Information Literacy Standards

- [Instructional Materials](#) - This site includes navigational charts by grade level and core subject areas. The navigational charts show the SOL links to information retrieval skills, library media strategies, sample activities, and resources.
- [Scope and Sequence](#) - This site is in the Excel format and can be sorted by grade level, subject area, SOL, NILS, and C/T Standards.

Middle School Standards (Grades 6-8)

Math

7.11 -- The student, given data for a practical situation, will a) construct and analyze histograms; and b) compare and contrast histograms with other types of graphs presenting information from the same data set.

Science

6.9 -- The student will investigate and understand public policy decisions relating to the environment. Key concepts include

- management of renewable resources (water, air, soil, plant life, animal life);
- management of nonrenewable resources (coal, oil, natural gas, nuclear power, mineral resources);

English--Reading

8.6 -- The student will read, comprehend, and analyze a variety of informational sources.

English—Writing

8.7 -- The student will write in a variety of forms, including narrative, expository, persuasive, and informational.

Computer/Technology

C/T6-8.2 The student will demonstrate proficiency in the use of technology.

C/T 6-8.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.

C/T 6-8.4 The student will practice responsible use of technology systems, information, and software.

C/T 6-8.5 The student will demonstrate knowledge of technologies that support collaboration, personal pursuits, and productivity.

C/T 6-8.6 The student will use technology to locate, evaluate, and collect information from A variety of sources.

- Use Internet and other electronic resources to locate information in real time.

C/T 6-8.7 The student will evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

- Use search strategies to retrieve information.
- Evaluate the accuracy, relevance, and appropriateness of electronic information sources.

C/T 6-8.8 The student will use technology resources for solving problems and making informed decisions.

- Employ technology in the development of strategies for solving problems.

- Use a variety of technologies to identify and provide possible solutions to real-world problems.
- Participate in collaborative problem-solving activities.
- Select and use appropriate tools and technology resources to accomplish a variety of tasks.

C/T 6-8.9 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

- Independently use technology tools to create and communicate for individual and/or collaborative projects.
- Produce documents demonstrating the ability to edit, reformat, and integrate various software tools.

VEMA Library Information Literacy Standards

- [Instructional Materials](#) - This site includes navigational charts by grade level and core subject areas. The navigational charts show the SOL links to information retrieval skills, library media strategies, sample activities, and resources.
- [Scope and Sequence](#) - This site is in the Excel format and can be sorted by grade level, subject area, SOL, NILS, and C/T Standards.

High School Standards

History and Social Science

WHII.13 The student will demonstrate knowledge of political, economic, social, and cultural aspects of independence movements and development efforts

WHII.14 The student will demonstrate knowledge of the influence of Judaism, Christianity, Islam, Buddhism, and Hinduism in the contemporary world

WHII.15 The student will demonstrate knowledge of cultural, economic, and social conditions in developed and developing nations of the contemporary world

WG.1 The student will use maps, globes, photographs, and pictures in order to

- obtain geographical information and apply the concepts of location, scale, and orientation;
- develop and refine mental maps of world regions;
- analyze and explain how different cultures develop different perspectives on the world and its problems

WG.4 The student will locate and analyze physical, economic, and cultural characteristics of world regions.

WG.5 The student will compare and contrast the distribution, growth rates, and characteristics of human population in terms of settlement patterns and the location of natural and capital resources.

WG.6 The student will analyze past and present trends in human migration and cultural interaction as they are influenced by social, economic, political, and environmental factors.

WG.7 The student will identify natural, human, and capital resources and explain their significance by

- showing patterns of economic activity and land use;
- evaluating perspectives and consequences regarding the use of resources.

WG.8 The student will distinguish between developed and developing countries and relate the level of economic development to the standard of living and quality of life.

VUS.14 The student will demonstrate knowledge of economic, social, cultural, and political developments in the contemporary United States

GOVT.13 The student will demonstrate knowledge of how governments in Mexico, Great Britain, and the People’s Republic of China compare with government in the United States.

GOVT.14 The student will demonstrate knowledge of economic systems

Civics and Economics

CE.1 The student will develop the social studies skills citizenship requires, including the ability to

- examine and interpret primary and secondary source documents;
- create and explain maps, diagrams, tables, charts, graphs, and spreadsheets;
- analyze political cartoons, political advertisements, pictures, and other graphic media;
- distinguish between relevant and irrelevant information;
- review information for accuracy, separating fact from opinion;
- identify a problem and recommend solutions;
- select and defend positions in writing, discussion, and debate.

Health

9.4 -- The student will use various sources of information to evaluate global health issues.

Computer/Technology

C/T 9-12.4 The student will practice responsible use of technology systems, information, and software.

C/T 9-12.5 The student will demonstrate knowledge of technologies that support collaboration, personal pursuits, and productivity.

C/T 9-12.6 The student will use technology to locate, evaluate, and collect information from a variety of sources.

- Integrate databases, spreadsheets, charts, and tables to create reports.
- Use available technological tools to expand and enhance understanding of ideas and concepts.

C/T 9-12.7 The student will evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

- Analyze and draw conclusions about the comprehensiveness and bias of electronic information sources.
- Design and implement a variety of search strategies to retrieve electronic information.

C/T 9-12.8 The student will use technology resources for solving problems and making informed decisions.

- Select and apply technology tools for information analysis, problem-solving, and decision-making.
- Use technology resources such as educational software, simulations, and models for problem-solving, and independent learning.
- Produce and disseminate information through collaborative problem-solving activities.

C/T 9-12.9 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

VEMA Library Information Literacy Standards

- [Instructional Materials](#) - This site includes navigational charts by grade level and core subject areas. The navigational charts show the SOL links to information retrieval skills, library media strategies, sample activities, and resources.
- [Scope and Sequence](#) - This site is in the Excel format and can be sorted by grade level, subject area, SOL, NILS, and C/T Standards.