

PA AG AND FOOD CAREERS WEB SCAVENGER HUNT STANDARDS

The four web scavenger hunts posted on the PA Ag and Food Careers website meet the following academic standards outlined by the Pennsylvania Department of Education.

MIDDLE SCHOOL

English Language Arts

Grade 6

- 1.2.6.A – Determine the central idea of a text
- 1.2.6.B – Cite textual evidence to support what the text says explicitly
- 1.2.6.H – Evaluate an author’s argument by examining claims and determining if they are supported by evidence
- 1.2.6.J – Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a new word or phrase important to comprehension or expression
- 1.2.6.L – Read and comprehend literary nonfiction and informational text on grade level, independently and proficiently
- 1.4.6.H – Introduce and state an opinion on a topic
- 1.4.6.I – Use clear reasons and relevant evidence to support claims, using credible sources and demonstrating an understanding of the topic
- 1.4.6.L – Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling
- 1.4.6.S – Draw evidence from literary or informational texts to support analysis, reflection, and research, applying grade-level reading standards for literature and literary nonfiction
- 1.4.6.V – Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate
- 1.5.6.C – Interpret information presented in diverse formats

Grade 7

- 1.2.7.A – Determine two or more central ideas in a text and provide an objective summary
- 1.2.7.B – Cite several pieces of textual evidence including inferences, conclusions, and/or generalizations drawn from the text
- 1.2.7.H – Evaluate an author’s argument, reasoning, and specific claims for the soundness of the argument and relevance of the evidence

- 1.2.7.J - Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a new word or phrase important to comprehension or expression
- 1.2.7.L - Read and comprehend literary nonfiction and informational text on grade level, independently and proficiently
- 1.4.7.H - Introduce and state an opinion on a topic
- 1.4.7.L – Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling
- 1.4.7.S – Draw evidence literary or informational texts to support analysis, reflection, and research, applying grade-level reading standards for literature and literary nonfiction
- 1.4.7.V – Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions
- 1.5.7.C – Analyze the main ideas and supporting details presented in diverse media formats

Grade 8

- 1.2.8.A – Determine two or more central ideas in a text and provide an objective summary
- 1.2.8.B – Cite the textual evidence that most strongly supports what the text says including inferences, conclusions, and/or generalizations drawn from the text
- 1.2.8.H – Evaluate an author’s argument, reasoning, and specific claims for the soundness of the argument and relevance of the evidence
- 1.2.8.J - Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a new word or phrase important to comprehension or expression
- 1.2.8.L - Read and comprehend literary nonfiction and informational text on grade level, independently and proficiently
- 1.4.8.H - Introduce and state an opinion on a topic
- 1.4.8.L – Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling
- 1.4.8.S – Draw evidence literary or informational texts to support analysis, reflection, and research, applying grade-level reading standards for literature and literary nonfiction
- 1.4.8.V – Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions
- 1.5.8.C – Analyze the purpose of information presented in diverse media formats

Environment and Ecology

Grade 6

4.2.6.A – Identify the five major watersheds of Pennsylvania

Grade 7

4.3.7.B – Explain the distribution and management of natural resources; differentiate between conservation, preservation, and exploitation

4.4.7.A – Describe how agricultural practices, the environment, and the availability of natural resources are related

4.4.7.C – Investigate resources, their relation to land use, and their impact on the food and fiber system

4.5.7.B – Describe the impact of pests in different geographic locations and techniques used to manage those pests; identify introduced species that are classified as pests in their new environments; research integrated pest management practices

Grade 8

4.4.8.A – Identify and describe how food safety issues have impacted the food and fiber system

4.5.8.A – Explain how best management practices (BMPs) can be used to mitigate environmental problems

Geography

Grade 6

7.1.6.A – explain and illustrate how geographic tools are used to organize and interpret information about people, places, and environments

7.1.6.B – explain and locate places and regions as defined by physical and human features

Grade 7

7.1.7.A – explain and illustrate how geographic tools are used to organize and interpret information about people, places, and environments

7.1.7.B – explain and locate places and regions as defined by physical and human features

Grade 8

- 7.1.8.A – Explain and illustrate how geographic tools are used to organize and interpret information about people, places, and environments
- 7.1.8.B – Explain and locate places and regions as defined by physical and human features

Career Education and Work Standards

Grade 8

- 13.1.8.A – Relate careers to individual interests, abilities, and aptitudes
- 13.1.8.B - Relate careers to personal interests, abilities, and aptitudes
- 13.1.8.D – Explain the relationships of career training programs to employment opportunities
- 13.1.8.F – Analyze the relationship of school subjects, extracurricular activities, and community experiences to career preparation
- 13.1.8.H – Choose personal electives and extracurricular activities based upon personal career interests, abilities, and academic strengths
- 13.2.8.B – Evaluate resources available in researching job opportunities (such as O*NET)
- 13.2.8. E – Explain, in the career acquisition process, the importance of the essential workplace skills/knowledge (such as teamwork, communication, and technology literacy)

HIGH SCHOOL

English Language Arts

Grades 9-10

- 1.2.9-10.A – Determine the central idea of a text
- 1.2.9-10. B – Cite strong and thorough textual evidence to support the analysis of what the text says explicitly
- 1.2.9-10.F – Analyze how words and phrases shape meaning and tone in texts
- 1.2.9-10.H – Delineate and evaluate the argument and specific claims in a text, assessing the validity of reasoning and relevance of evidence
- 1.2.9-10.J – Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; demonstrate independence in gathering vocabulary knowledge
- 1.2.9-10.K – Determine of clarify the meaning of unknown and multiple-meaning words
- 1.2.9-10.L – Read and comprehend literary nonfiction and informational text on grade level, independently and proficiently
- 1.3.9-10.B – Cite strong and throughout textual evidence to support analysis of what the text says explicitly
- 1.4.9-10.H – Write with sharp, distinct focus identifying topic, task, and audience; introduce a precise claim
- 1.4.9-10.L - Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling
- 1.4.9-10.S – Draw evidence from literary or informational texts to support analysis, reflection, and research, applying grade-level reading standards for literature and literary nonfiction
- 1.5.9-10.C – Integrate multiple sources of information presented in diverse media formats in order to make informed decisions, solve problems, and evaluate credibility

Grades 11-12

- 1.2.11-12.B - Cite strong and thorough textual evidence to support the analysis of what the text says explicitly
- 1.2.11-12.F – Analyze how words and phrases shape meaning and tone in texts
- 1.2.11-12.J – Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; demonstrate independence in gathering vocabulary knowledge
- 1.2.11-12.K – Determine of clarify the meaning of unknown and multiple-meaning words
- 1.2.11-12.L – Read and comprehend literary nonfiction and informational text on grade level, independently and proficiently

- 1.3.11-12.B – Cite strong and throughout textual evidence to support analysis of what the text says explicitly
- 1.4.11-12.H – Write with sharp, distinct focus identifying topic, task, and audience; introduce a precise claim
- 1.4.11-12.L - Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling
- 1.4.11-12.S – Draw evidence from literary or informational texts to support analysis, reflection, and research, applying grade-level reading standards for literature and literary nonfiction
- 1.5.11-12.C – Integrate multiple sources of information presented in diverse media formats in order to make informed decisions, solve problems, and evaluate credibility

Environment and Ecology

Grade 10

- 4.2.10.A – Examine interactions between abiotic and biotic factors within a watershed
- 4.2.10.B – Examine how human interactions impact wetlands and their surrounding environments
- 4.4.10.A – Explain the relationship between and among the components of the food and fiber system
- 4.4.10.B – Analyze the effects of agriculture on a society’s environment
- 4.4.10.C – Analyze how agricultural sciences and technologies strive to increase efficiency while balancing the needs of society with the conservation of natural resources

Grade 12

- 4.4.12.C – Analyze research and development initiatives as they relate to agriculture

Career Education and Work Standards

Grade 11

- 13.1.11.A – Relate careers to individual interests, abilities, and aptitudes
- 13.1.11.B - Relate careers to personal interests, abilities, aptitudes, achievements and goals
- 13.1.11.F - Analyze the relationship between career choices and career preparation opportunities, such as, but not limited to
- 13.2.11.B – Apply research skills to searching for a job (such as using O*NET)

- 13.2.11. E – Demonstrate, in the career acquisition process, the importance of the essential workplace skills/knowledge (such as teamwork, communication, and technology literacy)
- 13.3.11.D – Develop a personal budget based on career choice