

4-H Curriculum Connections to the Virginia Standards of Learning

Animal Sciences: Dairy 12246 Goat 2 – Stepping Out

- English 4.1 The student will use effective oral communication skills in a variety of settings.
- Present accurate directions to individuals and small groups.
 - Contribute to group discussions.
 - Seek the ideas and opinions of others.
 - Begin to use evidence to support opinions.
- English 4.2 The student will make and listen to oral presentations and reports.
- Use subject-related information and vocabulary.
 - Listen to and record information.
 - Organize information for clarity.
- English 4.3 The student will read and learn meanings of unfamiliar words.
- Use knowledge of word origins; synonyms, antonyms, and homonyms; and multiple meanings of words.
 - Use word-reference materials including the glossary, dictionary, and thesaurus.
- English 4.5 The student will demonstrate comprehension of a variety of literary forms.
- Use text organizers such as type, headings, and graphics to predict and categorize information.
 - Formulate questions that might be answered in the selection.
 - Make inferences using information from texts.
 - Paraphrase content of selection, identifying important ideas, and providing details for each important idea.
 - Describe relationship between content and previously learned concepts or skills.
 - Write about what is read.
- English 4.7 The student will write effective narratives 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, tone, voice, and sentence variation.
- Edit final copies for grammar, capitalization, punctuation, and spelling.
- Use available technology.

English 4.9 The student will use information resources to research a topic.

- Construct questions about a topic.
- Collect information, using the resources of the media center.
- Evaluate and synthesize information for use in writing.
- Use available technology.

Science 4.5 The student will investigate and understand how plants and animals in an

ecosystem interact with one another and the nonliving environment. Key concepts include

- behavioral and structural adaptations;
- organization of communities;
- flow of energy through food webs;
- habitats and niches;
- life cycles; and
- influence of human activity on ecosystems.

English 5.2 The student will use effective nonverbal communication skills.

- Maintain eye contact with listeners.
- Use gestures to support, accentuate, or dramatize verbal message.
- Use facial expressions to support or dramatize verbal message.
- Use posture appropriate for communication setting.

English 5.3 The student will make planned oral presentations.

- Determine appropriate content for audience.
- Organize content sequentially or around major ideas.
- Summarize main points before or after presentation.
- Incorporate visual aids to support the presentation.

English 5.4 The student will read and learn the meanings of unfamiliar words.

- Use knowledge of root words, prefixes, and suffixes.
- Use dictionary, glossary, thesaurus, and other word-reference materials.

English 5.6 The student will demonstrate comprehension of a variety of literary forms.

- Use text organizers such as type, headings, and graphics, to predict and categorize information in informational texts.
- Locate information to support opinions, predictions, and conclusions.
- Identify cause-and-effect relationships.

- Prioritize information according to purpose of reading.
- Write about what is read.

English 5.7 The student will write for a variety of purposes to describe, to inform, to entertain, and to explain.

- Choose planning strategies for various writing purposes.
- Organize information.
- Use vocabulary effectively.
- Vary sentence structure.
- Revise writing for clarity.
- Edit final copies for grammar, capitalization, spelling, and punctuation, especially the use of possessives, and quotation marks.

English 5.8 The student will synthesize information from a variety of resources.

- Skim materials to develop a general overview of content or to locate specific information.
- Develop notes that include important concepts, paraphrases, summaries, and identification of information resources.
- Organize and record information on charts, maps, and graphs.
- Use available electronic databases to access information.
- Credit secondary reference sources.

English 6.2 The student will listen critically and express opinions in oral presentations.

- Distinguish between facts and opinions.
- Compare and contrast points of view.
- Present a convincing argument.

English 6.3 The student will read and learn the meanings of unfamiliar words.

- Use knowledge of word origins and derivations.
- Use word-reference materials.

English 6.5 The student will demonstrate comprehension of a variety of selections.

- Identify questions to be answered.
- Make, confirm, or revise predictions as needed.
- Use context clues to read unfamiliar words.
- Draw conclusions and make inferences based on explicit and implied information.
- Organize information for use in written and oral presentations.
- Compare and contrast information about one topic contained in different selections.

English 6.7 The student will write narratives, descriptions, and explanations.

- Use a variety of planning strategies to generate and organize ideas.
- Establish central idea, organization, elaboration, and unity.

- Select vocabulary and information to enhance the central idea, tone, and voice.
- Expand and embed ideas by using modifiers, standard coordination, and subordination in complete sentences.
- Revise writing for clarity.
- Edit final copies for correct use of language: subject-verb and pronoun-antecedent agreement, consistent tense inflections, and adverb and adjective usage.

English 6.8 The student will use writing as a tool for learning in all subjects.

- Make lists.
- Paraphrase what is heard or read.
- Summarize what is heard or read.
- Hypothesize.
- Connect knowledge within and across disciplines.
- Synthesize information to construct new concepts.

English 6.9 The student will select the best sources for a given purpose, including atlases, dictionaries, globes, interviews, telephone directories, encyclopedias, electronic databases, and the *Reader's Guide*.

Science 6.8 The student will investigate and understand that organisms perform life processes that are essential for the survival and perpetuation of the species. Key concepts include

- energy transformation (from food or photosynthesis); and
- respiration, movement, waste removal, growth, irritability (response), and reproduction.

Science 6.9 The student will investigate and understand that organisms depend on other organisms and the nonliving components of the environment,. Key concepts include

- producers, consumers, and decomposers;
- food webs and food pyramids; and
- cycles (water, carbon dioxide/oxygen, nitrogen).

English 7.1 The student will give and seek information in conversations and in group discussions.

- Use oral vocabulary and style appropriate for listeners.
- Communicate ideas and information orally in an organized and succinct manner.
- Ask probing questions to seek elaboration and clarification of ideas.
- Make supportive statements to communicate agreement or acceptance of others' ideas.

English 7.6 The student will read and understand information from varied sources.

- Use knowledge of text structures to aid comprehension.

- Make, confirm, or revise predictions as needed.
- Distinguish fact from opinion in newspaper, magazines, and other print media.
- Summarize what is read.
- Organize and synthesize information for use in written and oral presentations.

English 7.10 The student will apply knowledge of resources in preparing written and oral presentations.

- Use print and electronic sources to locate books and articles.
- Use a thesaurus to select more exact descriptive, specific, or effective vocabulary for writing.
- Use graphic organizers to organize information.
- Credit secondary reference sources.

LS.8 The student will investigate and understand that interactions exist among members of a population. Key concepts include:

- competition, cooperation, social hierarchy, territorial imperative; and
- influence of behavior on population interactions.

LS.9 The student will investigate and understand interactions among populations in a

biological community. Key concepts include

- the relationship among producers, consumers, and decomposers in food chains and food webs;
- the relationship of predators and prey;
- competition and cooperation;
- symbiotic relationships and niches; and
- the role of parasites and their hosts.

English 8.1 The student will use interviewing techniques to gain information.

- Prepare and ask relevant questions for the interview.
- Make notes of responses.
- Compile and report responses.
- Evaluate the effectiveness of the interview.

English 8.4 The student will comprehend what is read from a variety of sources.

- Draw on background knowledge and knowledge of text structure to understand selections.
- Analyze details for relevance and accuracy.
- Read and follow instructions to assemble a model or simple structure.
- Evaluate and synthesize information to apply in written and oral presentations.

English 9.2 The student will make planned oral presentations.

- Include definitions to increase clarity.
- Use relevant details to support main ideas.
- Illustrate main ideas through anecdotes and examples.
- Cite information sources.
- Make impromptu responses to questions about presentation.

English 9.4 The student will read and analyze a variety of print materials.

- Identify a hypothesis to be confirmed, disproved or modified.
- Evaluate clarity and accuracy of information.
- Synthesize information from sources and apply it in written and oral presentations.
- Identify questions not answered by selected text.
- Extend general and specialized vocabulary through reading and writing.
- Read and follow instructions to use computer software, assemble or construct models or equipment, or complete a project.

English 9.6 The student will develop narrative, literary, expository, and technical writings to inform, explain, analyze, or entertain.

- Plan and organize writing.
- Communicate clearly the purpose of the writing.
- Write clear, varied sentences.
- Use specific vocabulary and information.
- Arrange paragraphs into a logical progression.
- Revise writing for clarity.
- Edit final copies for correct use of language, spelling, punctuation, and capitalization.

English 10.10 The student will collect, evaluate, and organize information.

- Organize information from a variety of sources.
- Verify the accuracy and usefulness of information.
- Use available technology.

English 11.1 The student will make persuasive presentations.

- Organize evidence to support a position.
- Present evidence clearly and convincingly.
- Support and defend ideas and thought in public forums.

English 11.4 The student will read a variety of print material.

- Use information from texts to clarify or refine understanding academic concepts.
- Read and follow directions to complete an application for college admission, a scholarship, or for employment.
- Read and follow directions to complete a laboratory experiment.
- Extend general and specialized vocabularies for reading and writing.

- Generalize ideas from selections to make predictions about other texts.

English 12.1 The student will make a 5-10 minute formal oral presentation.

- Choose the purpose of the presentation: to defend a position, to entertain an audience, or to explain information.
- Use a well-structured narrative or logical argument.
- Use details, illustrations, statistics, comparisons, and analogies to support purposes.
- Use visual aids or technology to support presentation.