

Elementary Content Area TEKS - Grade 5

Module One - Map a Tree Trail

Language Arts: 5.13. (B) interpret factual or quantitative information presented in maps, charts, illustrations, graphs, timelines, tables, and diagrams.

Mathematics: 5.15 (A) explain and record observations using objects, words, pictures, numbers, and technology.

Science: 5.2 (E) demonstrate that repeated investigation may increase reliability of results.

5.2(G) construct appropriate simple graphs, tables, maps, and charts using technology, including computers, to organize, examine, and evaluate information.

Social Studies: 5.6 (A) apply geographic tools, including grid systems, legends, symbols, scales, and compass roses, to construct and interpret maps.

Module Two - Tree Identification

Language Arts: 5.8 (A) evaluate the impact of sensory details, imagery, and figurative language in literary text.

5.29 Students work productively with others in teams.

Mathematics: 5.14 (C) select or develop an appropriate problem-solving plan or strategy, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a similar problem, or working backwards to solve a problem.

Science: 5.2 (C) collect information by detailed observations and accurate measuring.

5.2 (E) demonstrate that repeated investigations may increase the reliability of results.

5.2 (F) communicate valid conclusions in written and verbal forms.

5.4 (B) use safety equipment, including safety goggles and gloves.

Social Studies: 5.6 (B) translate geographic data into a variety of formats such as raw data to graphs and maps.

Technology Applications: (b) (1) (C) use virtual environments to explore systems and issues.

Module Three - Tree Measurement

Language Arts: 5.19 (E) summarize and paraphrase texts in ways that maintain meaning and logical order within a text and across texts.

Mathematics: 5.7 (A) perpendicular, and congruent parts of two-and three-dimensional geometric figures.

5.10 (C) select and use appropriate units and formulas to measure length, perimeter, area, and volume.

Science: 5.2 (C) collect information by detailed observations and accurate measuring.

5.2 (D) analyze and interpret information to construct reasonable explanations form direct (observable) and indirect (inferred) evidence.

5.2 (E) Demonstrate that repeated investigations may increase reliability of results.

5.2 (F) communicate valid conclusions in written and verbal forms.

Social Studies: 5.24 (B) analyze information by sequencing, categorizing, identifying cause and effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions.

Technology Applications: b (3) (C) validate and evaluate the relevance and appropriateness of information.

b (3) (D) acquire information appropriate to specific tasks.

Module Four - Tree Structure and Function

Language Arts: 5.19 (E) summarize and paraphrase texts in ways that maintain meaning and logical order within a text and across texts.

Mathematics: 5.11 (B) solve problems involving elapsed time.

Science: 5.2 (D) analyze and interpret information to construct reasonable explanations form direct (observable) and indirect (inferred) evidence.

5.2 (F) communicate valid conclusions in written and verbal forms.

5.9 (A) observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements.

5.9 (C) Predict the effects of changes in ecosystems caused by living organisms.

Social Studies: 5.25 (B) incorporate main and supporting ideas in verbal and written communication.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (6) (C) navigate systems and applications accessing peripherals both locally and remotely.



Elementary Content Area TEKS - Grade 5

Module Five - Benefits and Values of Trees

Language Arts: 5.19 (E) summarize and paraphrase texts in ways that maintain meaning and logical order within a text and across texts.

Mathematics: 5.5 (A) describe the relationship between sets of data in graphic organizers such as lists, tables, charts, and diagrams.

5.11 (B) solve problems involving elapsed time.

Science: 5.2 (D) analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence.

5.2 (F) communicate valid conclusions in written and verbal forms.

5.9 (A) observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements.

Social Studies: 5.24 (B) analyze information by sequencing, categorizing, identifying cause and effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (6) (C) navigate systems and applications accessing peripherals both locally and remotely.

Module Six - Diversity of Species and Ecosystem

Language Arts: 5.11 (D) use multiple text features and graphics to gain an overview of the contents of text and to locate information.

Mathematics: 5.5 (A) describe the relationship between sets of data in graphic organizers such as lists, tables, charts, and diagrams.

5.9 (A) locate and name points on a coordinate grid using ordered pairs of whole numbers.

Science: 5.9 (A) observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements.

5.9 (C) Predict the effects of changes in ecosystems caused by living organisms.

5.9 (D) identify the significance of the carbon dioxide-oxygen cycle to the survival of plants and animals.

Social Studies: 5.6 (A) apply geographic tools, including grid systems, legends, symbols, scales, and compass roses, to construct and interpret maps.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (4) (B) collect, analyze, and represent data to solve problems using tools such as word processing, databases, spreadsheets, graphic organizers, charts, multimedia, simulations, models, and programming languages.

Module Seven - Tree and Forest Health

Language Arts: 5.13 (B) interpret factual or qualitative information presented in maps, charts, illustrations, graphs, timelines, tables, and diagrams.

5.24 (A) follow the research plan to collect data from a range of print and electronic resources (e.g., reference texts, periodicals, web pages, online resources) and data from experts;

5.27 (A) listen to and interpret a speaker's messages (both verbal and nonverbal) and ask questions to clarify the speaker's purpose or perspective.

Mathematics: 5.14 (B) solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.

5.14 (D) use tools such as real objects, manipulatives, and technology to solve problems.

Science: 5.9 (A) observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements.

5.9 (C) Predict the effects of changes in ecosystems caused by living organisms.

Social Studies: 5.25 (C) express ideas orally based on research and experiences.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (4) (A) identify information regarding a problem and explain the steps toward the solution.



Elementary Content Area TEKS - Grade 5

Module Eight - Tree History

Language Arts: 5.19 (E) summarize and paraphrase texts in ways that maintain meaning and logical order within a text and across texts.

5.26 (A) compiles important information from multiple sources.

Mathematics: 5.13 (C) graph a given set of data using an appropriate graphical representation such as a picture or line graph.

Science: 5.2 (F) communicate valid conclusions in [both] written [and verbal] form[s].

5.2 (G) construct appropriate simple graphs, tables, maps, and charts using technology, including computers, to organize, examine, and evaluate information.

Social Studies: 5.24 (C) organize and interpret information in outlines, reports, databases, and visuals, including graphs, charts, timelines, and maps.

5.24 (E) identify the historical context of an event.

5.25 (C) express ideas orally based on research and experiences.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (4) (D) evaluate technology tools applicable for solving problems.

Module Nine: Urban Forestry

Language Arts: 5.13 (A) interpret details from procedural text to complete a task, solve a problem, or perform procedures.

5.26 (A) compiles important information from multiple sources.

5.27 (B) follow, restate, and give oral instructions that include multiple action steps.

Mathematics: 5.14 (B) solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.

5.9 (A) locate and name points on a coordinate grid using ordered pairs of whole numbers.

Science: 5.13 (D) connect grade-level appropriate science concepts with the history of science, science careers, and contributions of scientists.

Social Studies: 5.25 (C) express ideas orally based on research and experiences.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (4) (D) evaluate technology tools applicable for solving problems.

Module Ten - Student Service Leader

Language Arts: 5.13 (A) interpret details from procedural text to complete a task, solve a problem, or perform procedures.

5.26 (A) compiles important information from multiple sources.

5.27 (B) follow, restate, and give oral instructions that include multiple action steps.

Mathematics: 5.14 (B) solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.

Science: 5.1 (B) make informed choices in the conservation, disposal, and recycling of materials.

5.13 (D) connect grade-level appropriate science concepts with the history of science, science careers, and contributions of scientists.

5.2 (E) Demonstrate that repeated investigations may increase reliability of results.

Social Studies: 5.25 (C) express ideas orally based on research and experiences.

Technology Applications: b (3) (D) acquire information appropriate to specific tasks.

b (4) (D) evaluate technology tools applicable for solving problems.

