



# WATER DETECTIVE PROGRAM

## GRADE 6

### TEXAS ESSENTIAL KNOWLEDGE AND SKILLS



#### §110.18. ENGLISH LANGUAGE ARTS AND READING, GRADE 6

##### (b) KNOWLEDGE AND SKILLS

#### STANDARD AND CONTENT

- (1) Reading/Fluency.** Students read grade-level text with fluency and comprehension. Students are expected to adjust fluency when reading aloud grade-level text based on the reading purpose and the nature of the text.
- (2) Reading/Vocabulary Development.** Students understand new vocabulary and use it when reading and writing.
- (10) Reading/Comprehension of Informational Text/Expository Text.** Students analyze, make inferences and draw conclusions about expository text and provide evidence from text to support their understanding.
- (11) Reading/Comprehension of Informational Text/Persuasive Text.** Students analyze, make inferences and draw conclusions about persuasive text and provide evidence from text to support their analysis.
- (12) Reading/Comprehension of Informational Text/Procedural Texts.** Students understand how to glean and use information in procedural texts and documents.
- (13) Reading/Media Literacy.** Students use comprehension skills to analyze how words, images, graphics, and sounds work together in various forms to impact meaning. Students will continue to apply earlier standards with greater depth in increasingly more complex texts.
- (14) Writing/Writing Process.** Students use elements of the writing process (planning, drafting, revising, editing, and publishing) to compose text.
- (15) Writing/Literary Texts.** Students write literary texts to express their ideas and feelings about real or imagined people, events, and ideas.
- (16) Writing.** Students write about their own experiences. Students are expected to write a personal narrative that has a clearly defined focus and communicates the importance of or reasons for actions and/or consequences.
- (17) Writing/Expository and Procedural Texts.** Students write expository and procedural or work-related texts to communicate ideas and information to specific audiences for specific purposes.
- (18) Writing/Persuasive Texts.** Students write persuasive texts to influence the attitudes or actions of a specific audience on specific issues. Students are expected to write persuasive essays for appropriate audiences that establish a position and include sound reasoning, detailed and relevant evidence, and consideration of alternatives.
- (23) Research/Gathering Sources.** Students determine, locate, and explore the full range of relevant sources addressing a research question and systematically record the information they gather.
- (26) Listening and Speaking/Listening.** Students will use comprehension skills to listen attentively to others in formal and informal settings. Students will continue to apply earlier standards with greater complexity.
- (27) Listening and Speaking/Speaking.** Students speak clearly and to the point, using the conventions of language. Students will continue to apply earlier standards with greater complexity. Students are expected to give an organized presentation with a specific point of view, employing eye contact, speaking rate, volume, enunciation, natural gestures, and conventions of language to communicate ideas effectively.
- (28) Listening and Speaking/Teamwork.** Students work productively with others in teams. Students will continue to apply earlier standards with greater complexity. Students are expected to participate in student-led discussions by eliciting and considering suggestions from other group members and by identifying points of agreement and disagreement.



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## GRADE 6

### TEXAS ESSENTIAL KNOWLEDGE AND SKILLS



#### §111.22. MATHEMATICS, GRADE 6

##### (b) KNOWLEDGE AND SKILLS

#### STANDARD AND CONTENT

- (1) Mathematical process standards.** The student uses mathematical processes to acquire and demonstrate mathematical understanding.
- (2) Number and operations.** The student applies mathematical process standards to represent and use rational numbers in a variety of forms.
- (3) Number and operations.** The student applies mathematical process standards to represent addition, subtraction, multiplication, and division while solving problems and justifying solutions.
- (4) Proportionality.** The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations.
- (5) Proportionality.** The student applies mathematical process standards to solve problems involving proportional relationships.
- (12) Measurement and data.** The student applies mathematical process standards to use numerical or graphical representations to analyze problems

Source: <http://tea.texas.gov/curriculum/teks/>



# WATER DETECTIVE PROGRAM

## GRADE 6

### TEXAS ESSENTIAL KNOWLEDGE AND SKILLS



#### §112.18. SCIENCE, GRADE 6

##### (b) KNOWLEDGE AND SKILLS

#### STANDARD AND CONTENT

- (1) Scientific investigation and reasoning.** The student, for at least 40% of instructional time, conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices.
- (2) Scientific investigation and reasoning.** The student uses scientific inquiry methods during laboratory and field investigations.
- (3) Scientific investigation and reasoning.** The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions and knows the contributions of relevant scientists.
- (4) Scientific investigation and reasoning.** The student knows how to use a variety of tools and safety equipment to conduct science inquiry.
- (7) Matter and energy.** The student knows that some of Earth's energy resources are available on a nearly perpetual basis, while others can be renewed over a relatively short period of time. Some energy resources, once depleted, are essentially nonrenewable.
- (11) Earth and space.** The student understands the organization of our solar system and the relationships among the various bodies that comprise it.

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