

# TRAFFIC TECHNOLOGY 6th Grade English

	Code	Activity 1: Calculating Reaction Time	Activity 2: Calculating Braking Distance	Activity 3: Setting Yellow Light Time	Activity 4: Programming Logic For Traffic Systems	Activity 5: Reactive Traffic Technology	
<b>READING</b>							
<b>Word Recognition and Word Study</b> The student will:							
explain and use word structure, sentence structure, and prediction to aid in decoding and understanding the meanings of words encountered in context.	<b>R.WS.06.01</b>						
use structural, syntactic, and semantic analysis to recognize unfamiliar words in context including origins and meanings of foreign words, words with multiple meanings, and knowledge of major word chunks/rimes, and syllabication.	<b>R.WS.06.02</b>						
automatically recognize frequently encountered words in print with the number of words that can be read fluently increasing steadily across the school year.	<b>R.WS.06.03</b>						
acquire and apply strategies to identify unknown words and construct meaning	<b>R.WS.06.05</b>						
<b>Fluency</b> Students will...							
fluently read beginning grade-level text and increasingly demanding texts as the year proceeds.	<b>R.WS.06.06</b>						

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<b>Vocabulary</b> Students will...							
in context, determine the meaning of words and phrases including regional idioms, literary and technical terms, and content vocabulary using strategies including connotation, denotation, and authentic content-related resources.	<b>R.WS.06.07</b>						
<b>Narrative Text</b> Students will...							
describe how characters form opinions about one another in ways that can be fair and unfair in classic, multicultural, and contemporary literature recognized for quality and literary merit.	<b>R.NT.06.01</b>						
analyze the structure, elements, style, and purpose of narrative genre including folktales, fantasy, adventure, and action stories.	<b>R.NT.06.02</b>						
analyze how dialogue enhances the plot, characters, and themes; differentiates major and minor characters; and builds climax.	<b>R.NT.06.03</b>						
analyze how authors use literary devices including dialogue, imagery, mood, and understatement to develop the plot, characters, point of view, and theme.	<b>R.NT.06.04</b>						

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<b>Informational Text Students will...</b>							
analyze the structure, elements, features, style, and purpose of informational genre, including research reports, “how-to” articles, and essays.	<b>R.IT.06.01</b>						
analyze organizational text patterns including descriptive, chronological sequence, and problem/solution.	<b>R.IT.06.02</b>						
explain how authors use text features including footnotes, bibliographies, Activity 1: Calculating Reaction Times, summaries, conclusions, and appendices to enhance the understanding	<b>R.IT.06.03</b>						
<b>Comprehension Students will...</b>							
connect personal knowledge, experiences, and understanding of the world to themes and perspectives in text through oral and written responses.	<b>R.CM.06.01</b>						
retell through concise summarization grade-level narrative and informational text.	<b>R.CM.06.02</b>						
analyze global themes, universal truths and principles within and across texts to create a deeper understanding by drawing conclusions, making inferences, and synthesizing.	<b>R.CM.06.03</b>						
apply significant knowledge from grade-level science, social studies, and mathematics texts.	<b>R.CM.06.04</b>						

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apply significant knowledge from grade-level science, social studies, and mathematics texts.	R.CM.06.04						
<b>Metacognition</b> Students will...							
self-monitor comprehension when reading or listening to text by automatically applying and discussing the strategies used by mature readers to increase comprehension including: predicting, constructing mental images, visually representing ideas in text, questioning, rereading or listening again if uncertain about meaning, inferring, summarizing, and engaging in interpretive discussions.	R.MT.06.01						

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plan, monitor, regulate, and evaluate skills, strategies, and processes for their own reading comprehension by applying appropriate metacognitive skills such as SQP3R and pattern guides	<b>R.MT.06.02</b>						
<b>Critical Standards Students will...</b>							
compare the appropriateness of shared, individual and expert standards based on purpose, context, and audience in order to assess their own writing and the writing of others.	<b>R.CS.06.01</b>						
<b>Reading Attitude Students will...</b>							
be enthusiastic about reading and do substantial reading and writing on their own.	<b>R.AT.06.01</b>						
<b>WRITING</b>							
<b>Writing Genre Students will...</b>							
write a cohesive narrative piece such as a personal narrative, adventure, tall tale, folktale, fantasy, or poetry that includes appropriate conventions to the genre, employing elements of characterization for major and minor characters; internal and/or external conflict; and issues of plot, theme, and imagery.	<b>W.GN.06.01</b>						

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write a personal, persuasive, or comparative essay that includes organizational patterns supporting key ideas.	W.GN.06.02						
formulate research questions using multiple resources and perspectives that allow them to organize, analyze, and explore problems and pose solutions that culminate in a final presented project using the writing process.	W.GN.06.03						
<b>Writing Process</b> <b>Students will...</b>							
set a purpose, consider audience, and replicate authors' styles and patterns when writing a narrative or informational piece.	W.PR.06.01						
apply a variety of pre-writing strategies for both narrative (e.g., graphic organizers designed to develop a plot that includes major and minor characters, builds climax, and uses dialogue to enhance a theme) and informational writing (e.g., problem/solution or sequence).	W.PR.06.02						
revise drafts for clarity, coherence, and consistency in content, voice, and genre characteristics with audience and purpose in mind.	W.PR.06.03						
draft focused ideas for a specific purpose using multiple paragraphs, sentence variety, and voice to meet the needs of an audience (e.g., word choice, level of formality, and use of example) when writing compositions.	W.PR.06.04						

proofread and edit writing using grade-level checklists and other appropriate resources both individually and in groups	<b>W.PR.06.05</b>						
<b>Personal Style Students will...</b>							
exhibit personal style and voice to enhance the written message in both narrative (e.g., personification, humor, element of surprise) and informational writing(e.g., emotional appeal, strong opinion, credible support).							

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<b>Grammar and Usage</b> Students will...							
in the context of writing, correctly use style conventions (e.g., Modern Language Association Handbook) and a variety of grammatical structures in writing including indefinite and predicate pronouns; transitive and intransitive verbs; adjective and adverbial phrases; adjective and adverbial subordinate clauses; comparative adverbs and adjectives; superlatives, conjunctions; compound sentences; appositives; independent and dependent clauses; introductory phrases; periods; commas; quotation marks; and use of underlining and italics for specific purposes.	<b>W.GR.06.01</b>						
<b>Spelling</b> Students will...							
in the context of writing, correctly spell frequently encountered and frequently misspelled words.	<b>W.SP.06.01</b>						
<b>Handwriting</b> Students will...							
write neat and legible compositions	<b>W.HW.06.01</b>						
<b>Writing Attitude</b> Students will...							
be enthusiastic about writing and learning to write.	<b>W.AT.06.01</b>						

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<b>SPEAKING</b>							
<b>Conventions</b> <b>Students will...</b>							
adjust their use of language to communicate effectively with a variety of audiences and for different purposes by asking and responding to questions and remarks to engage the audience when presenting.	S.CN.06.01						
speak effectively using rhyme, rhythm, cadence, and word play for effect in narrative and informational presentations.	S.CN.06.02						
present in standard American English if it is their first language. (Students whose first language is not English will present in their developing version of standard American English.)	S.CN.06.03						
<b>Discourse</b> <b>Students will...</b>							
engage in interactive, extended discourse to socially construct meaning in book clubs, literature circles, partnerships, or other conversation protocols.	S.DS.06.01						
respond to multiple text types in order to compare/contrast ideas, form, and style; to evaluate quality; take a stand and support an issue; and to identify personally with a universal theme.	S.DS.06.02						

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discuss written narratives that include a variety of literary and plot devices (e.g., established context plot, point of view, sensory details, dialogue, and suspense).	S.DS.06.03						
plan a focused and coherent informational presentation using an informational organizational pattern (e.g., problem/solution, sequence); select a focus question to address and organize the message to ensure that it matches the intent and the audience to which it will be delivered.	S.DS.06.04						
<b>LISTENING &amp; VIEWING</b>							
<b>Conventions Students will...</b>							
respond to, evaluate, and analyze the speaker's effectiveness and content when listening to or viewing a variety of speeches and presentations.	L.CN.06.01						
listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive); critically examine the verbal and non-verbal strategies during speeches and presentations.							
<b>Response Students will...</b>							
listen to or view knowledgeably a variety of genre to summarize, take notes on key points, and ask clarifying questions.	L.RP.06.01						

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select, listen to or view knowledgeably, and respond thoughtfully to both classic and contemporary texts recognized for quality and literary merit.	<b>L.RP.06.02</b>						
select, listen to or view knowledgeably, and respond thoughtfully to both classic and contemporary texts recognized for quality and literary merit.	<b>L.RP.06.02</b>						
identify a speaker's affective communication expressed through tone, mood, and emotional cues.	<b>L.RP.06.03</b>						
relate a speaker's verbal communications (e.g., tone of voice) to the non-verbal message communicated (e.g., eye contact, posture, and gestures).	<b>L.RP.06.04</b>						
respond to multiple text types when listened to or viewed knowledgeably, by discussing, illustrating, and/or writing in order to compare/contrast similarities and differences in idea, form, and style to evaluate quality and to identify personal and universal themes.	<b>L.RP.06.05</b>						
respond to, evaluate, and analyze the credibility of a speaker who uses persuasion to affirm his/her point of view in a speech or presentation.	<b>L.RP.06.06</b>						

identify persuasive and propaganda techniques used in television, and identify false and misleading information	<b>L.RP.06.07</b>						
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