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ROAD TRIP Teacher Manual

2
3
3
4
4
10
11
11
12
14
14
16

Contents

Goals/Objectives

English Language Arts Standard(s)	Students will develop reading comprehension skills by selecting the right word to complete a sentence.
Comprehension Skills	 Students will read texts independently, with minimal to no assistance (independent reading) recognize whether they understand what they are reading, and if necessary, take steps to repair their comprehension before continuing to read (monitoring comprehension)
Language/Reading Skills	 Students will use the language needed for success in school, including general academic words (which appear frequently in print, but rarely in social conventions), discipline-specific terms, and multiple-meaning words (academic language) relate speech sounds to specific letters (phonics), along with the ability to apply knowledge of letter-sound relationships to the process of sounding out and reading words (decoding) read texts with accuracy, appropriate rate, and expression to support comprehension (fluency) clarify the meaning of unknown words using strategies such as morphemic and contextual analysis (word learning strategies) recognize and apply knowledge of words and word parts such as morphemes and phonemes (word structure & knowledge)
Cognitive Skills	 Students will hold incomplete sentences in working memory while recalling vocabulary and grammatical structures from long-term memory (memory) selectively attend to semantic and grammatical features of words (attention) use linguistic processing to identify written words (processing) use word order to identify grammatical roles of missing words (sequencing)
Social-Emotional/ Executive Function Skills	 Students will utilize the metacognitive strategy of identifying root words and their appropriate prefixes or suffixes based on contextual information in a sentence inhibit impulsive word choices by attending to specific spelling differences between homophones and commonly misspelled words increase confidence in selection of high level vocabulary in sentence construction enhance motivation to understand root words and meanings of prefixes and suffixes
Icon Key Audio	Download English Learner Quick Check Settings Video



Exercise Screen



1 Autoplay

Turns Autoplay on or off; when on each click of the Go button presents a series of three or more questions.

2 Help

Provides access to help options:

- How To replays initial instructions.
- Help highlights and names each alternative.

3 Home

Returns the student to their assignments screen.

4 Go

Presents a question or a series of Autoplay questions. When an Autoplay sequence is in progress, this counter shows how many questions remain in the sequence.

5 Answer Buttons

Show possible words to complete the sentence.

6 Incomplete Sentence

Shows a sentence that the student must complete.

7 Time

Shows Time Worked / Time Scheduled for the exercise.

8 Points

Shows total points awarded across all of a day's sessions.

- Correct answers: 4 points for each question.
- Autoplay bonus: double the usual points if all answers in an autoplay set are answered correctly.

2 Level Progress

Displays the current level and percent complete of the level.

0 Current Streak

Shows the current number of consecutive correct answers in the session. Resets to zero after an incorrect answer.

11 Highest Streak

Shows the highest number of consecutive correct answers in this session.



Task

Road Trip presents a written sentence with a single word missing, and shows 4 written words above the sentence. The student must choose the correct word to complete the sentence.

Content

Road Trip presents groups of words that focus on important linguistic and orthographic dimensions. In each group, the alternative answers challenge students in the relevant dimension. For example, alternate answers in the Basic Words and Academic Words groups have clear semantic differences from the correct answers (kitten and cookie; vaccine and vacuum), while the alternate answers for Compound Words and Prefixes groups may share a component word or morpheme, or have a similar spelling as the correct answer (retie and untie).

The student works on each word group across multiple grade levels.

Word Group 1: Basic Words	Word	Group	1:	Basic	Words
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Kindergarten Vocabulary	1st Grade Vocabulary	2nd Grade Vocabulary	3rd Grade Vocabulary
aboveholidayalwayskittenapplekoalabecauselargerbeforelendbeginmakingbetterpandabrownrulebunnysummercametalkingcamelthesecookietractorcrayontummyeasyeggeighteveryfeelingfindfiremangamegardengirlgladlyhello	bulldozer secret caterpillar shiver fearful skinny freckles speak hamster squirrels leopard station maybe studies must stutter necessary subtract nervous surprised nobody terrible officer tonight older walked paste without paying young peacock pelican policeman porpoise promise rather ready rectangle rubber sawmill	alfalfaparadebeigeperiodblackberryproudbusinesspuffcharacterquartchromerefrigeratorciderremoveclosetsmoothcolorfulspoolflatspreadflourstomachfrighttryoutgovernvacationhandleyankharborhastyhungryjellyfishladderlemonlengthmovementnarrowoutstanding	absolutemusselacreoccasionalfalfaopinionappealopossumapplesaucepacedarcticpleasantavocadopoisonbeaglepolarcardinalporchcatnipstumpscattlestylecentraltanglechaptertwirlscharmunlimitedcivilweaknessconcernconductcrawfishcurbcurrenthonestincreasemanufacturesmoisture



Word Group 2: Compound Words

2nd Grade Vocabulary	3rd Grade Vocabulary	4th Grade Vocabulary	5th Grade Vocabulary
blacktop breakfast campfire doorbell fireflies handlebar jellyfish popcorn postcard uphill	billboard blackboard blackout bookworm buttercup crossroad cupboard doghouse doughnut downtown football footstep gentlemen greenhouse headphones headquarters housekeeper housework midnight nightgown nightlight overnight peanut policemen railroad rainbows raindrops scrapbook screwdriver skyrocket skyscraper snowboard snowman snowstorm sundown surfboard teacup watermelon	backpack backwoods backyard bareback beanbags clothespin eyeballs eyeglasses fingernails fingerprints frostbite girlfriend highway jellybeans moonbeam moonlight outlaws overlook overseas peppermint pigtail pincushion redwood runway slipcover snakebite tablecloths tablespoons tiptoe toenail undercover underground undershirt underwear wholesale woodpecker	backfire breadbox broadcast broadcloth cakewalk clambake clamshell cornmeal downhearted downstairs earthenware fingernails fingerprints firecrackers fruitcake glowworms gooseberry gooseneck headstone homespun homework hotcake hothouse landfill landslide mainland mealworms milestone oatmeal overflow overtake shipshape shipwreck toolbox uphill upright warehouse wormholes



Word Group 3: Prefixes

2nd Grade Vocabulary	3rd Grade Voc	abulary	4th Grade Vocabulary	5th Grade	Vocabulary
agreeing unpaid destroy unreal disagree untie disk until does unzip doing writer done writes really written record redo refrigerator repay retie return rewrite tie tied undo unfit unhappy	afire reca apart reco appeared rem appearing trea ashore trea atop trea comfortable unco comforting unh	ord ted ting ts omfortable appy mited vaid	ability able adept discontinued enabled enclose encountered encouraged explored income renew review unable	disappoint disbelief dishearten disintegrate encircled encoded enforce enforced engraved enlarge entitle envelope exiled expanded exported extinguished incline induce infant infinite	informal injury inland interior misfortune mislead mistreat misuse precaution preface prefer prehistoric reacted removed restored reversed unable uncomfortable undoubtedly unidentified

Word Group 4: Homophones

2nd Grade Vocabulary	3rd Grade Vocabulary	4th Grade Vocabulary	5th Grade Vocabulary
blew way blue weigh eye won feat yew feet you for four hear heard herd here I knight night one sea see to too two	bare paws bear scent berry shone blew shown blue side bury sighed cent steal find steel fined tail groan tale grown throne guessed thrown guest weak hair week hair week hare who's heal whose he'll made maid pause	air inn allowed oar aloud ore altar pair alter pear beach pray beech prey chili reign chilly rein coarse steal course steal creak creek err grate great he'd heed heir in	disappointinformaldisbeliefinjurydishearteninlanddisintegrateinteriorencircledmisfortuneencodedmisleadenforcemistreatenforcedmisuseengravedprecautionenlargeprefaceentitlepreferenvelopeprehistoricexpandedrewovedexportedrestoredinclineunableinduceuncomfortableinfantundoubtedly



Word Group 5: Near Misses



Word Group 6: Academic Words

4th Grade Vocabular	5th Grade Vocabulary	6th Grade Vocabulary	7th Grade Vocabulary
column product compound region distance repeated divide represen divided section especially similar exciting solve experience stretche flatter suspicio fractions various halt vision indicate indicated melody oxygen oyster particular planet probably process	t deny numeral design rhythm details sensation determine sentiment determines solemn	accessory pastime adjective ponder aristocrat poultry assertive radiant asteroid random autograph ravenous bachelor strenuous barrier syllables beverage symphonies biography symptoms biosphere tripod bouquet tripods bout trophy cartridge tropic emigrant trough minimum naturalist paragraph paralyze passport	accelerationherbaceousagarherbivoresalgaehomeostasisallergyhypothesisalloyimmigratedamplificationimmunitycreditincubatecrisisindicateddecelerationinduceddistillationinflammationeclipsedinvertebrateelevatedslopedevaporatedsolarexcisesonarexilestaticgeologyvaccineglaciervacuumgravityventricleguaranteevirus

Did you know?

Learners use a variety of cognitive strategies during reading in order to analyze a text and work out meanings of new or unfamiliar vocabulary. These may include predicting meaning based on sentence context, identifying and analyzing of root words and their prefixes and suffixes, and using grammar rules to aid in deriving meaning from text. Learners also use metacognitive strategies to self-evaluate and monitor their learning process. By using these strategies, a reader develops an interest in learning new vocabulary, and confidence in the ability to use reading to learn.

Road Trip includes sentence completion exercises that develop these analytic cognitive and metacognitive self-monitoring skills. These skills are practiced through sentence comprehension activities that include words with multiple meanings, commonly misspelled or misused words, and words with common roots and affixes derived from Greek and Latin that the student can learned/ used to determine meaning.



Progression

Road Trip varies two factions to make the task progressively more difficult:

- Vocabulary grade level
- Word group

	Word Group	Grade Level	Questions
K - 3rd Grade Vocabulary	Basic Words	Kindergarten Grade 1 Grade 2 Grade 3	10 10 10 10
2nd - 5th Grade Vocabulary	Compound Words	Grade 2 Grade 3 Grade 4 Grade 5	10 10 10 10
	Prefixes	Grade 2 Grade 3 Grade 4 Grade 5	10 10 10 10
	Homophones	Grade 2 Grade 3 Grade 4 Grade 5	10 10 10 10 10
	Near Misses	Grade 2 Grade 3 Grade 4 Grade 5	38 24 28 20
4th - 7th Grade Vocabulary	Academic Words	Grade 4 Grade 5 Grade 6 Grade 7	10 10 10 10 10

Students work on all six word groups in order. For example, students begin with Basic Words / Kindergarten vocabulary, then progress to Compound Words / 2nd grade vocabulary, and so on. To complete a word group at a given grade level, students must answer 90% of the questions correctly. While working on the exercise, the student may repeat some groups in a grade level, while beginning a new group in another grade level.

Road Trip adapts to the student's performance and provides targeted interventions if the student is struggling.



Motivational Levels

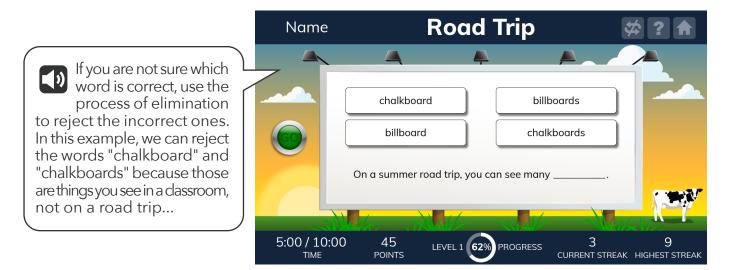
After each 20% of progress through the exercise, students "level up" and the screen changes slightly. These motivational levels are not connected to specific content.



Targeted Practice

This exercise uses built-in, responsive technology to detect when a student is struggling and administer targeted, inline instruction—right when the student needs it—without any external resources or assistance required. This helps reduce frustration as it quickly gets the student back on track, so they can continue making progress.

One type of intervention, the Elimination Process, provides specific instruction on how to approach the content with which the student is struggling. It shows the student an incomplete sentence, and guides the student through eliminating 3 of the 4 possible answers, step by step.





Introduce

Engage

To introduce the exercise to your students, say: Today, we are going to focus on reading comprehension. Reading comprehension means that you can understand what is being read or what you are reading. We are going to work on this by choosing the word that completes the sentence. To build student engagement, display a sentence that is based on content the students already understand. Read the sentence on the board and then display three word options as the response options to complete the sentence. Say: What word completes the sentence? Write that word on your card. When I say, "go", hold your answer card up. After looking at all of the students' answers, state and write the correct word in the sentence.

Demo

- 1. Say: Today, we're going to practice completing sentences by choosing the best word to fill in the blank. Together, we'll work on an exercise called Road Trip. I'll get us started, and then I'd like for you to try.
- 2. Project the "Introduction English or Spanish demo" for Road Trip.
- 3. Follow along with the demo, which explains how the exercise works.
 - Explain which answer is the best match and how you ruled out the other options.
 - Choose an answer.
 - Correct answer: a "ding" sound effect plays, the answer is highlighted, and the answer appears in the sentence.
 - Incorrect answer: a "thunk" sound effect plays, the correct answer appears in the sentence, and the incorrect answer is dimmed.
- 4. Demo the keyboard shortcuts:
 - Go button = Space bar
 - Possible answers (left to right, top to bottom) = Number keys 1-4

Direct students to log in and work individually on the Road Trip Demo for approximately 10 minutes. This time period mimics the timing of the exercise once it's assigned. Debrief with students to ensure they understand the task and objective of the exercise. Ask: What did you notice? Have students share anything that they have questions about.

Road Trip includes instructional audio for the exercise introduction and instructions. By default, these are presented in English. You can, however, select Spanish instructions for all, some, or individual students on the Manage page in mySciLEARN.



Monitor Student Progress

Review Road Trip reports regularly to monitor student progress. Use the data to determine which students are succeeding and which students might be struggling to make progress.

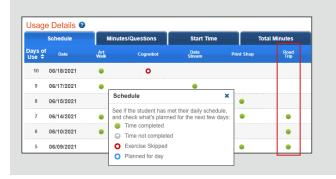
Where to look...

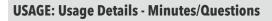
PROGRESS: Reading Comprehension Exercise Progress - Road Trip

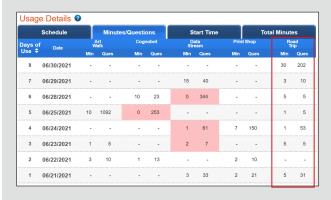
The colored line shows student progress and their percent complete. Each dot indicates a day the student worked on the exercise.



USAGE: Usage Details - Schedule







What to look for... what it means

Is the line going up?

The student is completing content accurately and making progress.

Is the line flat across several dots?

The student may be struggling and you need to find out why.

Are there long lapses between dots?

The student may be skipping this exercise.

Do you see half-filled gray circles?

The student is working on this exercise, but not meeting the scheduled time. Make sure that they have time to complete their daily schedule. If fatigue is an issue, add some breaks to their schedule.

Do you see red circles?

The student is skipping this exercise. Provide support to help them re-engage.

Are many days highlighted in red?

The student is not meeting their daily schedule. Check the Schedule tab in this report to investigate further.

Is the student answering fewer questions than usual?

They may be distracted or losing focus. In comparison to their previous activity, a low number of trials to minutes may indicate the student is not applying themselves to the task.

Is the student answering more questions than usual?

They may be rushing. In comparison to their previous activity, a high number of trials to minutes may indicate the student is trying to amass points, or to progress more quickly, but rushing can result in mistakes. Remind them that making progress depends on accuracy, not speed.



Where to look...

PROGRESS: Progress Details - Road Trip Progress

Road Trip	- ete, advancement cri ress: passed / total	leria met	d 6/30/202
	Progress	Correct	Questions
K-3rd Grade Vocabulary			
Basic	3/4	100%	30
2nd-5th Grade Vocabulary			
Compound Words	3/4	100%	30
Prefixes	2/4	70%	40
Homophones	2/4	80%	40
Near Misses	2/4	70%	40
4th- 7th Grade Vocabulary			
Academic	1/4	50%	40

Progress

For groups in progress, the report shows the number of grade levels successfully completed out of the 4 available for each word group. For example, in the Compound Words group, students work on 2nd - 5th grade level content.

Percent Correct

Each word group is presented across 4 grade levels. To make progress, the student must answer 90% of the questions in a grade level correctly.

Questions

Each word group includes a minimum of 40 questions, except for the Near Misses group, which has a minimum of 110 questions.

What to look for... what it means

Is the number of completed grade levels in a word group increasing?

The student has mastered some of the vocabulary in this word group and is making progress.

Is the number of completed grade levels for a word group remaining constant?

The student has not mastered additional vocabulary. Remind them to listen carefully and observe the corrective feedback before moving on to the next question. Check the Errors section of this report to help you determine where the student needs additional support.

PROGRESS: Errors - Road Trip

Content the student is struggling with is indicated in red.

🔻 Road Trip			
		Errors / Questions	
Basic Words			
Kindergarten 🕑	10%	17.10	
1st Grade 🚱	15%	3720	
Compound Words			
2nd Grade 😰	25%	5/20	
Prefixes			
2nd Grade 🚱	15%	3720	

Are specific word groups highlighted in red?

Consider providing the student with instruction on the specific vocabulary with which they are struggling.

See the "Adjust Instruction/Intervene" section in this teacher manual for suggestions on supporting struggling students.



Reading Comprehension Progress Monitoring Chart in Student & Teacher Resources



Adjust Instruction/Intervene

Differentiation Activities

Differentiating instruction requires continually striving to know and to respond to each student's needs in order to maximize learning. Use the data in Road Trip reports to adjust instruction to meet each student's needs and respond to variance among learners. The activities below are suggestions to support students who might be struggling with their progress in Road Trip.



Does the student understand the exercise goal/task?

After initially reviewing the exercise goal/task with the student, if the student is demonstrating difficulty, consider clarifying the instructions, setting a goal based on student area of need, and modeling and practicing self-monitoring to encourage accuracy, confidence, and independence.

- First, start by setting a clear goal:
 - Set a goal in student-friendly language prior to beginning the exercise. The goal should be positively stated, written using clear and concise language, and be observable and measurable.
 - Review the goal with the student and check for understanding.
- Next, introduce and model how the student will monitor their goal:
 - Choose or create a self-monitoring chart for students to track their progress over time. Use the chart to motivate, encourage, and allow the student to practice self-monitoring. Include the goal on the self-monitoring chart.
 - Explain and model the steps needed to complete and interpret the self-monitoring chart.
 - Practice completing and interpreting the self-monitoring chart with the student.
- Then, clarify the expectations by modeling and reviewing the specific steps required to complete the exercise:
 - Review the steps of the activity with the student.
 - Model or explain the steps of the activity.
 - Practice completion of the task with the student.
 - Encourage the student to explain or show you how to complete the task.
 - Monitor independent practice and provide feedback and prompts as needed.





Is the student on task and engaged with activity?

When a student is struggling to stay on-task and engaged, consider the strategies below as a starting point to increasing student engagement.

- Adjust the pacing or duration of instruction.
- Provide built-in breaks as well as allow the student to request breaks as needed. Involve the student in determining their preferred and most successful work schedule. Some students prefer longer work periods and longer breaks while others prefer shorter work periods and more frequent breaks. Adjust as needed to increase student momentum, success, and confidence.
- Consider student motivation. Motivation can be intrinsic and extrinsic. How to motivate the student is largely dependent on their learning needs, preferences, and reinforcers. Student observation, reinforcer surveys, rapport building, and parent and student questionnaires can be helpful in determining how to increase student motivation.



Are there words in the task (prompt and response) that the student doesn't know?

- Define and review key vocabulary used in the task.
- Display key vocabulary words and definitions.
- Promote student practice with vocabulary sentence strips, guided notes, response cards, or note cards.



Is the student struggling to identify words to complete a sentence?

- Provide additional practice with the fill-in-the-blank activity using a paired word bank or response options, guided writing prompts, and guided notes.
- Provide additional practice and support with acquisition of vocabulary.
- Utilize sentence starters at the beginning of writing tasks.
- Allow the student to access a word log related to the task during writing activities.
- Model and practice writing and complete sentences with the student.



Adjust Instruction/Intervene

Student Resources

You may decide to use any or all of these monitoring sheets with your students:



Reading Comprehension Streaks & Completion Chart in <u>Student & Teacher Resources</u> Explain to students that accuracy is the key to moving through the content in Fast ForWord. Because streaks record the number of correct answers in a row, this chart can help students self-monitor for accuracy. After they complete their exercises for each day, have students record their highest streaks and percent complete in each exercise, then challenge them to exceed those numbers tomorrow. Students will need one copy every 5 days.



Reading Comprehension Completion Chart in <u>Student & Teacher Resources</u>

Students can self-monitor their progress on each exercise in Reading Comprehenson by filling in the bar representing their actual completed percentage to provide them with an overall view of how much content they've completed compared to how much they have left to do. Students will need one copy per component.

