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FAST FORWORD®
Foundations I

EXERCISES	GOALS – The student will…	OBJECTIVES
Sky Gym	…identify and remember the order of a series of frequency modulated sound sweeps. …indicate the pattern just heard.	• Listening accuracy – ability to listen to sound sweeps at different frequencies, durations, and with different lengths of time between sound sweeps. The frequencies and durations of the sound sweeps correspond to the rapid transitions in sounds of the English language. Sky Gym first presents sound sweeps with durations longer than those typically found in natural speech. As students' progress, Sky Gym decreases the duration of the sound sweeps and eventually presents the sound sweeps at durations shorter than typically found in natural speech. • Auditory sequencing – ability to recognize and remember the order in which a series of sounds is presented and then indicate the pattern
Moon Ranch	…identify the target syllable when the syllable changes. …improve phonological fluency, phonological memory, and sustained attention.	• Phonological fluency – ability to quickly and efficiently distinguish between syllables that differ by an individual phoneme, such as the /sh/ in shu and the /ch/ in chu. The synthetic syllables in the exercise have been designed to emphasize the rapidly changing phonetic elements within natural speech. • Some contrasts (e.g., /ke/ vs. /ge/, /sti/ vs. /si/) help build skills in gap detection. Moon Ranch presents repeated syllables that have been modified by extending the silent gap between a voiceless stop consonant and a vowel until the repeated syllables are presented at the natural rate of speech. • Other contrasts (e.g., /di/ vs. /bi/) help students build skills in perceiving rapid acoustic transitions. • The length of time between the repeated syllables and the length of time allowed for students' response is also decreased as students' progress through the exercise. • Sustained attention – ability to listen to a repeated syllable and recognize the target syllable. In each trial, as many as 8 syllables may be presented before the target syllable is presented to improve the ability to remain focused on a given task while ignoring distractions and refraining from impulsive behavior. • Phonological memory – ability to hold speech sounds in memory and recognize when the sound pattern has changed.

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FAST FORWORD® Foundations I

Hoop Nut	…identify a target syllable when presented in a sequence of two syllables.	• Phonological accuracy – ability to make correct distinctions based on individual phonemes • Phonological fluency – ability to identify and manipulate speech sounds in a quick and efficient manner • Phonological memory – ability to hold speech sounds in memory
Whalien Match	…match all the syllables and words into pairs using the fewest clicks.	• Auditory word recognition – ability to accurately identify spoken words by relying on sound cues alone, without the aid of visual or context cues. • Phonological memory – ability to hold speech sounds in memory. • Phonological fluency – ability to identify and manipulate speech sounds in a quick and efficient manner. • Phonological accuracy – ability to make correct distinctions based on individual phonemes.
Robo-Dog	…improve vocabulary, auditory word recognition, phonological accuracy, and phonological fluency.	• Vocabulary – development of vocabulary from elementary level math and science. • Auditory word recognition – ability to accurately identify spoken words by relying on sound cues alone, without the aid of visual or context cues. • Phonological accuracy – ability to make correct distinctions based on individual phonemes. • Phonological fluency – ability to identify speech sounds in a quick and efficient manner.
Ele-Bot	…improve listening accuracy, English language conventions, and vocabulary.	• English language conventions – understanding the relationship between words, grammar, and meaning is improved as students work with over 200 sentences that include simple, familiar vocabulary. • Listening accuracy – ability to rapidly and accurately identify and understand rapid, successive changes in sound.
Space Commander	…improve listening accuracy and the ability to follow directions.	• Following directions – ability to attend to, understand, and follow increasingly complex directions is improved through structured practice with modeling and feedback. • Listening accuracy – ability to rapidly and accurately identify and understand rapid successive changes in sound. • English language conventions – ability to understand the relationship between words, grammar, and meaning.

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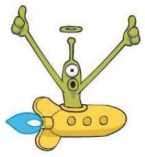
FAST FORWORD®
Foundations II



EXERCISES	GOALS – The student will…	OBJECTIVES
Jumper Gym	…develop advanced listening accuracy and auditory sequencing skills by identifying a series of two to five frequency-modulated sound sweeps and remembering it long enough to indicate the pattern just heard.	• Auditory processing – sensitivity to rapid auditory stimuli
Paint Match	…improve phonological accuracy, phonological memory, and word analysis skills by identifying matching words, using sound and spelling cues.	• Ability to learn the associations between sounds and spelling patterns • Ability to develop phonological accuracy • Ability to strengthen decoding and memory skills • Ability to build phonemic awareness and letter-sound associations for targeted
Polar Planet	…improve word analysis, phonological fluency, and sustained attention by selecting a target word out of a stream of words, using sound and letter cues. …practice visual tracking to strengthen left to right reading behavior.	• Ability to map word-to-print • Ability to sustain attentional focus over long intervals and refrain from • impulsive responses • Ability to build phonemic awareness and letter-sound associations for the targeted phonemes
Tomb Trek	…improve word analysis, phonological accuracy, and phonological memory by selecting a target word from a pair of phonologically similar words, using sound and letter cues.	• Ability to develop phonological accuracy • Ability to learn the associations between words and print and • between sounds and spelling patterns • Ability to build phonemic awareness and letter-sound associations for • the targeted phonemes • Ability to follow left-to-right sequence that reinforces left-to-right visual scanning patterns for reading
Cosmic Reader	…improve listening comprehension, following directions, English language conventions, and vocabulary.	• Ability to develop listening accuracy • Ability to build comprehension and memory for details, main ideas, and • relationships within the story • Ability to improve the understanding of the relationship between words, • grammar, and meaning • Ability to improve skills in attending to, understanding and following increasingly complex directions

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FAST FORWORD® Literacy

EXERCISES	GOALS – The student will…	OBJECTIVES
Space Racer	…improve listening accuracy. …improve auditory sequencing.	• Listening accuracy: recognize sound sweeps at different frequencies, durations, and with different lengths of time between sound sweeps. Students improve the ability to detect and recognize subtle acoustic features found in sounds of the English language. • Auditory sequencing: recognize, remember, and reproduce the order in which a series of sounds is presented. Students improve sequencing abilities.
Galaxy Goal	…improve phonological fluency. …improve phonological memory. …improve sustained attention.	• Phonological fluency: The synthetic syllables in the exercise have been designed to emphasize the rapidly changing phonetic elements within natural speech. By learning to distinguish between syllables that differ by an individual phoneme, such as the /sh/ in shu and the /ch/ in chu, when presented in a rapid sequence of syllables, students develop phonological memory. • Phonological memory: Students must mentally compare each new syllable with the previous syllable from the stream, developing phonological memory. • Sustained attention: By learning to remain attentive as a syllable is repeated, respond quickly when the syllable changes, and refrain from impulsive responses, students attend to a repeated syllable and recognize the targeted syllable to improve sustained attention and phonological memory.
Spin Master	…improve listening accuracy. …improve phonological fluency. …improve phonological memory.	• Phonological accuracy: work with synthetic syllables that have been designed to emphasize the rapidly changing phonetic elements of speech. By learning to accurately identify a syllable from a pair like /ba/ and /da/, improve the ability to make correct distinctions based on individual phonemes. • Phonological fluency: as students' progress, the length of time between syllables decreases, improving the ability to identify speech sounds quickly. • Phonological memory: keep the target syllable in mind while remembering which turntable presented the matching syllable, improving the student's capacity for holding speech sounds in memory.

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FAST FORWORD® Literacy

Lunar Tunes	…improve auditory word recognition. …improve phonological memory. …improve phonological accuracy. …improve phonological fluency.	• Auditory word recognition: accurately identify words based on acoustic cues alone by matching up pairs of aurally presented words from among similar sounding ones. • Phonological memory: hold multiple syllables and words in memory while searching for the speaker with the matching syllable or word • Phonological accuracy: identify syllables or words that differ in initial consonant, final consonant, or both • Phonological fluency: complete matches for pairs of syllables or words
Star Pics	…improve vocabulary. …improve auditory word recognition. …improve phonological accuracy. …improve phonological fluency.	• Vocabulary: build knowledge of the phonological structure and meaning of words • Auditory word recognition: accurately identify spoken words by relying on sound cues alone without the aid of visual or context cues • Phonological accuracy: improve the ability to make correct distinctions based on individual phonemes • Phonological fluency: improve the ability to identify speech sounds in a quick and efficient manner
Stellar Stories	…improve listening accuracy. …improve following directions. …improve the knowledge and correct use of English language conventions. …improve vocabulary skills.	• Listening comprehension: build comprehension and memory for details, main ideas, and relationships within a story • Following directions: improve skill in attending to, understanding, and following increasingly complex aural directions • English language conventions: build an understanding of English language word order, prefixes and suffixes, plurals, and subject-verb agreement • Vocabulary: build knowledge of the phonological structure and meaning of words

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FAST FORWORD® Literacy Advanced

EXERCISES	GOALS – The student will…	OBJECTIVES
Space Racer	…improve listening accuracy. …improve auditory sequencing.	• Listening accuracy: recognize sound sweeps at different frequencies, durations, and with different lengths of time between sound sweeps. Students improve the ability to detect and recognize subtle acoustic features found in sounds of the English language. • Auditory sequencing: recognize, remember, and reproduce the order in which a series of sounds is presented. Students improve sequencing abilities.
Laser Match	…improve word analysis and phonological memory by identifying pairs of matching English or "alien" words with in grids of tiles displaying phonologically similar words.	• Learn the associations between sounds and spelling patterns. • Develop listening accuracy using digitally enhanced words to emphasize the rapidly changing phonetic elements within natural speech. • Work with over 100 English words and over 100 nonsense ("alien") words, with spelling patterns ranging from simple CVC to consonant cluster, consonant digraph, and vowel diagraph • Work with unfamiliar nonsense ("alien") words, increasing the demands on decoding and memory skills. • Build phonemic awareness and letter-sound associations for the targeted phonemes by working with grids that contain minimal word pairs.
Meteor Ball	…improve word analysis. …improve sustained attention.	• Learn word-to-print mappings with paired aural and written presentations. • Develop listening accuracy by listening to the sound structure of the aural words which have been digitally enhanced to emphasize the rapidly changing phonetic elements within natural speech. • Build phonemic awareness and letter-sound associations for the targeted phonemes. • Work with over 30 words, both CVC and CVCC words. • Left-to-right visual scanning patterns reinforced for reading by following the word-bearing meteors that move across the screen from left to right.

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FAST FORWORD® Literacy Advanced

Lunar Leap	…improve word analysis.	• Develop listening accuracy by working with the words in the exercise that have been digitally enhanced to emphasize the rapidly changing phonetic elements within natural speech. • Learn the associations between words and print and between sounds and spelling patterns by working with stimulus words that are presented repeatedly. • Work with over 150 words including both CVCs and CVCCs • Build phonemic awareness and letter-sound associations for the targeted phonemes • Build the ability to follow left-to-right sequence.
Galaxy Theater	…improve listening comprehension. …improve the ability to follow directions. …improve the use of English language conventions. …build vocabulary skills.	• Develop listening accuracy • Build comprehension and memory for details, main ideas, and relationships within stories. • Improve understanding of the relationship between words, grammar, and meaning. • Improve the skill in attending to, understanding, and following increasingly complex directions.

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FAST FORWORD®
Reading Readiness

EXERCISES	GOALS – The student will…	OBJECTIVES
Inside the Tummy	…identify colors and shapes.	• Match objects in response to a single verbally presented attribute (color or shape). • Match objects in response to two verbally presented attributes (color and shape).
Hungry Tummy	…follow verbal instructions to identify shapes of varying sizes and colors.	• Select an object from a group of objects in response to a single verbally presented attribute (color, shape, or size). • Select an object from a group of objects in response to two verbally presented attributes (color/shape; color/size; or shape/size). • Select an object from a group of objects in response to three verbally presented attributes (color/shape/size).
Packing Pig Goes to Work	…identify the letters of the alphabet.	• Respond to verbal cues. • Recognize uppercase letters. • Recognize lowercase letters.
Packing Pig Has Lunch	…identify and select the matching pairs of letters in a grid.	• Match, from a group of four, two pairs of lowercase and uppercase letters. • Match, from a group of eight, four pairs of lowercase and uppercase letters. • Match, from a group of 16, eight pairs of lowercase and uppercase letters.
Houndini	…identify a word with different target sounds than other words.	• Select from a group of four, a picture or word that has a different initial sound. • Select from a group of four, a picture or word that has a different final sound. • Select from a group of four, a picture or word that has a different medial sound.
Coaster	…use phonemic awareness to understand as letters of words change, so do the sounds (i.e. the alphabetic principle).	• Associate specific phonemes with their corresponding letters. • Identify letter with the same initial sound of a verbally presented consonant-vowel blend.

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FAST FORWORD®
Reading Level I

EXERCISES	GOALS – The student will…	OBJECTIVES
Bear Bags	…build skills in phonemic awareness, the understanding of the alphabetic principle (phonics), and decoding of one-syllable words.	• Categorize one-syllable words by initial, final and medial sounds. • Understand highly decodable one-syllable words with paired presentation of print and speech.
Magic Rabbit	…build skills in spelling, phonemic awareness and sensitivity to letter-sound correspondence.	• Develop phonemic awareness of initial, medial and final sounds in single-syllable words. • Develop phonemic awareness of long- and short- vowel sounds in single-syllable words. • Develop spelling skills of three- and four- letter short-vowel words.
Flying Fish	…build decoding and word skills necessary for fluent reading.	• Identify common, irregular sight words. • Match spoken and written forms of most frequently used words.
Quail Mail	…build vocabulary knowledge and skills.	• Develop automatic word recognition. • Develop conceptual relationships. • Develop a flexible approach to vocabulary.
Bedtime Beasties	…build skills in sentence comprehension.	• Build knowledge of punctuation and capitalization rules. • Build awareness of sentence structure.
Buzz Fly	…build skills in passage comprehension.	• Use context to resolve ambiguities about word and sentence meaning. • Develop sustained attention and working memory. • Develop skills in answering multiple-choice questions.

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Reading Level 2

EXERCISES	GOALS – The student will…	OBJECTIVES
Bear Bags: More Lunch	…build skills in phonemic awareness, the understanding of the alphabetic principles (phonics), and decoding of one- and two-syllable words.	• Categorize one-syllable words by complex initial, final and medial sounds including consonant blends. • Understand highly decodable one- and two-syllable words with paired presentation of print and speech.
Magic Bird	…improve spelling and word-building skills.	• Improve awareness of letter-sound correspondence. • Develop skills using onset and rime. • Develop skills using one- and two-syllable words.
Fish Frenzy	…improve decoding skills through building sight word identification skills.	• Recognize and use knowledge of spelling patterns (e.g. diphthongs, special vowel spelling) when reading. • Apply knowledge of basic syllabication rules when reading (e.g. vowel-consonant-vowel = su/per; vowel-consonant/consonant-vowel = sup/per.
Leaping Lizards	…build vocabulary and sentence comprehension skills.	• Complete sentences with missing words, letters or punctuation. • Build awareness of sentence structure. • Introduce basic rules of capitalization, punctuation, syntax and inflectional morphology.
Ant Antics	…build skills in sentence comprehension.	• Improve syntax and vocabulary skills. • Develop logical reasoning.
Dog Bone	…build skills in passage comprehension.	• Use context to resolve ambiguities about word and sentence meaning. • Develop sustained attention and working memory. • Develop skills in answering multiple-choice questions.

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Reading Level 3

EXERCISES	GOALS – The student will…	OBJECTIVES
Scrap Cat	…improve automatic word recognition and understanding of conceptual relationships.	• Develop automatic word recognition. • Develop understanding of conceptual relationships. • Develop decoding, vocabulary and word categorization skills. • Understand semantic, syntactic, phonological and morphological properties.
Canine Crew	…develop decoding, vocabulary and automatic word recognition skills.	• Develop semantic and phonological skills. • Develop skills using rhymes, synonyms, antonyms, and homophones. • Develop automatic word recognition skills. • Develop understanding of conceptual relationships.
Chicken Dog	…develop spelling skills and understanding of letter-sound correspondences.	• Develop spelling skills of common words and grade level appropriate sight words. • Develop phonemic awareness of letter-sound correspondences. • Read common and irregular sight words. • Recode regular multi-syllable words.
Twisted Pictures	…develop sentence comprehension skills.	• Improve skills in using syntax (part of speech). • Improve vocabulary skills. • Improve working memory. • Improve logical thinking skills.
Book Monkeys	…build paragraph comprehension skills	• Read for literal meaning, cause and effect relationship and inferential comprehension. • Improve working memory. • Improve vocabulary skills.
Hog Hat Zone	…build skills in paragraph comprehension.	• Develop morphological skills, the ability to understand and correctly use small words, letters and letter combinations that change the meaning of a word. • Build vocabulary skills focusing on affixes-prefixes and suffixes. • Improve automatic word recognition.

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Reading Level 4

EXERCISES	GOALS – The student will…	OBJECTIVES
Hoof Beat	…develop skills in decoding and building vocabulary (word sounds, meanings, function and structure).	• Practice flexibility during reading. • Engage in automatic access to the various dimensions of vocabulary (including grade-appropriate levels of semantics, phonology, morphology, syntax, and orthography).
Jitterbug Jukebox	…develop spelling skills and sensitivity to letter-sound correspondence.	• Develop phonological awareness. • Develop vocabulary: transparent, rule-governed, and high frequency inconsistent/exceptional words.
Sticky Bill's Billboard	…develop sentence comprehension while practicing decoding of words in realistic contexts.	• Build vocabulary and awareness of word structure. • Recognize and use spelling patterns. • Reinforce links between work meaning and sentence structure.
Lulu's Laundry Line	…develop capitalization and punctuation skills by editing sentences and short paragraphs	• Understand links between words and sentences. • Build a foundation for better sentence and paragraph comprehension.
Book Monkeys	…develop paragraph comprehension skills	• Read for literal meaning, cause and effect relationship and inferential comprehension. • Read tables, instructions, schedules and poems. • Improve vocabulary skills.
Goat Quotes	…develop sentence and short paragraph comprehension skills.	• Develop careful reading, logical thinking and working memory skills. • Review the basic syntactic (i.e. grammatical) structure of spoke English generally mastered in the early elementary grades. • Build decoding and vocabulary skills.

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Reading Level 5

EXERCISES	GOALS – The student will…	OBJECTIVES
Toad Loader	…build accuracy and fluency in recognizing and constructing sentences by manipulating grammatical forms and inflections	• Identify and correctly use prepositional phrases, appositives, and independent and dependent clauses. • Use transitions and conjunctions to connect ideas. • Identify and correctly use verbs that are often misused (e.g. lie/lay), modifiers and pronouns.
Wood Works	…build accuracy and fluency in phonemic analysis, decoding, and spelling by working with multiple spelling patterns for 36 English phonemes.	• Develop advanced phonics and spelling skills by categorizing words with complex spelling patterns. • Review the most common spelling patterns for 24 phonemes along with 19 sound-spelling relationships. • Review targeted spelling patterns including examples of the patterns in initial, medial and final positions. • Practice over 1500 spelling words including academic terms.
Gator Jam	…build vocabulary skills and improve accuracy and fluency in critical thinking and abstract reasoning by completing analogies and sorting them based on the type of analogical relationship illustrated.	• Work with analogies through targeted vocabulary in the context of analogies and by learning to analyze them and identify the semantic relationships they convey. • Review 95 key vocabulary words, each presented in 3-6 different analogies. • Recognize and learn high-utility morphemes (of Latin and Greek origin) used in key vocabulary words.
Lana's Lanes	…Build skills in accurate text comprehension and the use of comprehension strategies, when reading fiction and non-fiction texts that include literary structures and devices.	• Work with 4 of 7 critical comprehension strategies identified by the National Reading Panel: graphic/semantic organizers, summarization, questions answering, and using multiple strategies. • Develop skills using inferential comprehension processes: main idea, central conflict, conclusions, generalizations, themes, and metaphors. • Analyze structural features of diagrams, tables, concept webs, flowcharts, timelines, and summaries.

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Reading Level 5

Quack Splash	…develop skills in constructing and organizing fiction and non-fiction passages, and in understanding and using figurative language.	• Build skills in constructing and organizing multiple-paragraph stories and expository passages. • Understand and use figurative language. • Identify missing words, phrases, or sentences. • Answer comprehension questions about the completed passage.

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