





WiggleWorks


Aligns to Title I, Part A

The purpose of *Title I, Part A – Improving Basic Programs* is to ensure that children in high-poverty schools meet challenging State academic content and student achievement standards. These schools must develop a comprehensive plan to improve teaching and learning. The following chart shows how **WiggleWorks** can support a *Title I* program. The criteria are drawn from the Federal *Title I Final Rules and Regulations* posted at:

<http://www.ed.gov/policy/elsec/req/title1/fedregister.html>

Key Criteria for Title I, Part A Funding	 WiggleWorks
<p>1. Provide opportunities for all students to meet the State’s proficient and advanced levels of student academic achievement, particularly in the areas of math, reading/language arts, and science</p>	<p><i>WiggleWorks</i> combines interactive technology with leveled books and instructional materials to help all primary students become successful readers. This proven effective program provides teachers with the materials to effectively manage their classroom while focusing on instruction in the five essential reading areas:</p> <ul style="list-style-type: none"> ▪ Phonemic Awareness ▪ Phonics ▪ Fluency ▪ Vocabulary ▪ Comprehension <p><i>WiggleWorks</i> engages beginning readers and improves student achievement by focusing on:</p> <ol style="list-style-type: none"> 1. READING—<i>WiggleWorks</i> leveled books and interactive software provide reading instruction in the five essential areas of Reading. 2. WRITING—Both on the software and offline, students write responses to the stories they read or create their own versions. 3. LANGUAGE SUPPORT—Print concepts are reinforced in multiple formats so student scan internalize those concepts and build language skills. <p><i>WiggleWorks</i> combines best practices about how children learn to read and write with the power of software to create an innovative model for instruction—a model designed to support young children’s reading development, and proven to increase reading scores.</p> <p style="text-align: right;"><i>(Continued)</i></p>

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<p>Provide opportunities for all students to meet the State’s proficient and advanced levels of student academic achievement, Continued</p>	<p><u>Technology</u> The <i>WiggleWorks</i> software helps children think about what they are reading and writing, and enables them to access the activity areas in ways that are developmentally appropriate and suited to individual learning styles.</p> <ul style="list-style-type: none"> ▪ Children can hear books read aloud by professional narrators; they can record themselves reading the stories, or add their own notes and ideas to the narrative. ▪ Children can rewrite the stories and modify illustrations, or write and illustrate their own stories. ▪ They can hear their own stories read aloud by the computer, and they can explore the phonetic patterns and structures of words on the Magnet Board. <p><u>Leveled Books</u> The 84 <i>WiggleWorks</i> trade books—including 24 books in Spanish—represent a rich collection that features multiple genres, curriculum connections, and works by noted authors and illustrators. They introduce children to a range of genres—such as realistic fiction, nonfiction, folktales, and poetry—and the skills needed to read each. Books with math, science, music, social studies, and arts themes offer literature that ties into every part the curriculum.</p> <p><u>Instructional Materials</u> Every <i>WiggleWorks</i> book comes with a four-page Teaching Plan that includes support for teaching reading and writing using both the books and software. The Teaching Plans include sample screens and ideas for using the program, such as leaving a Teacher Message about a book. Other features include best practices for working with English-Language learners, and progress monitoring checks.</p> <p><u>Assessment</u> The Assessment section of the Teacher’s Guide provides a range of assessment, including information on placing children in <i>WiggleWorks</i> and support in key areas of reading—phonemic awareness, phonics, fluency, vocabulary, comprehension, as well as writing.</p>

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4. Address the needs of all students in the school, particularly the needs of low-achieving students and those at risk of not meeting the State's student academic standards	<p><i>WiggleWorks</i> works for all children. It helps nonreaders, struggling readers, children who need “catch-up” support, gifted children, children with special needs, and English-Language learners become fluent readers and writers.</p> <p>With <i>WiggleWorks</i>, children can:</p> <ul style="list-style-type: none">▪ Practice, record, and listen to their own reading.▪ Collect words to use in their writing.▪ Write and draw their own responses to the books.▪ Write their own books by personalizing the text.▪ Access reading support by clicking entire passages, phrases, or individual words, and hearing them read.▪ Gain fluency and confidence with English-Language texts.▪ Explore words and review phonics with the Magnet Board.▪ Use built-in tools designed to ensure every child can access the books and activities. <p><i>WiggleWorks</i> is designed to support the needs of all young learners. The program provides specific features to meet the needs of struggling readers, students with special needs, and English-Language learners.</p> <p><u>English-Language Learners</u> <i>WiggleWorks</i> supports readers whose first language is not English. The clickable text lets ELL students hear a model of fluent reading and listen to individual words repeatedly. The recording feature enables children to practice reading aloud, critique their own reading, and rerecord until they are satisfied with their performance. Teachers can also record “Teacher Messages” to give students additional support. Teaching Plan cards provide best practices suggestions on supporting ELL students as they read <i>WiggleWorks</i> books.</p> <p>English-Language learners develop reading, writing, and language skills. Carefully-leveled books, software, audio CDs, and teaching materials help ELL students build fluency. The Spanish literature collection features books by Latino authors such as Alma Flor Ada, Ximena de la Piedra, and Margarita Gonzales-Jensen. The <i>WiggleWorks</i> software includes 24 interactive Spanish-Language books.</p> <p>Using <i>WiggleWorks</i>, English-Language learners can:</p> <ul style="list-style-type: none">▪ Hear stories and some unfamiliar words read aloud repeatedly—proven to be an effective strategy for building vocabulary▪ Generate individual word lists▪ See text highlighted word-by-word or line-by-line, increasing print awareness▪ Use story starters to write a response to a book <p style="text-align: right;"><i>(Continued)</i></p>

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Students with disabilities
WiggleWorks was created in consultation with the Center for Applied Special Technology (CAST). CAST specializes in designing an interactive print and software curriculum that use the principles of universal design—alternative representations of information, multiple options for expression and control, and multiple options for engagement—to provide a flexible and customizable reading environment for all children.

WiggleWorks includes important features, such as:

- Instructional options, such as reading, writing, and bookmaking
- Customizable presentation options, such as background color, sound, and graphics
- Read-aloud options, including word-by-word or line-by-line
- Customizable settings to support different disabilities and learning styles

Additionally, the management system provides alternative tools for children who require them. For example:

- Talking buttons, which say their functions aloud when the mouse is held over them, help children with visual impairments
- Talk and Type option reads what children type
- Custom color options allows the teacher to choose the colors of text, background, and highlighting for individual children or the entire class


Finally, WiggleWorks is compatible with current assistive technology input devices and accessibility options within current operating systems.


5. Close the achievement gap between high- and low-performing children, especially the achievement gaps between minority and nonminority students, and between disadvantaged children and their more advantaged peers.


The WiggleWorks software provides each student with a unique scaffolded learning experience. Students can hear books read aloud by professional narrators, record themselves reading the stories at their own pace, rewrite the stories and modify the illustrations, hear their own stories read aloud by the computer, and explore phonetic patterns and structures of words.


Each WiggleWorks title is available on the computer with support options for every child in the classroom, no matter his or her instructional needs. Embedded tools and activities support children’s developing phonemic awareness, phonics, fluency, vocabulary, comprehension, and writing skills.


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<p>Close the achievement gap between high- and low-performing children, especially the achievement gaps between minority and nonminority students, and between disadvantaged children and their more advantaged peers. Continued</p>	<p>Every interactive <i>WiggleWorks</i> book includes the following activities:</p> <ol style="list-style-type: none"> 1. Read Aloud—This area helps children become acquainted with the book, while developing their decoding and tracking skills. Students hear the book read aloud and actively read along with the narrator. Accompanying graphics, music, and sound effects enhance students’ reading comprehension. 2. Read—The options in this area help children focus on the text structure and meaning of the book. Students build fluency and comprehension as they practice reading the story on their own. They can listen to unfamiliar words and can record and listen to themselves read. 3. Write—Children can write, illustrate, and record a brief response or a story up to 100 pages long. As they write, students can access Story Words, or words they’ve saved in their My Words list, as well as sentence starters. They can listen to the story as it is read back to them. 4. My Book—Children can modify each story by rewriting the text and redrawing the illustrations. They may retell the story in their own words, change the ending, or fill in additional details beyond the scope of the original story. 5. Magnet Board—Children use the letter tiles on the interactive Magnet Board to explore sound-letter relationships and word parts. They can click on individual letters to hear the letter names, or on whole words to hear them read aloud.
<p>6. Use effective methods and instructional practices that are based on scientifically based research and that:</p> <ul style="list-style-type: none"> ▪ Strengthen the core academic program ▪ Provide an enriched and accelerated curriculum ▪ Increase the amount and quality of learning time, such as providing an extended school year, before- and after-school programs, and summer programs and opportunities 	<p>Reading research findings outlined by <i>Put Reading First</i>; the Report of the National Reading Panel; and leading researchers, such as Elfrieda Hiebert and Catherine Snow, support the <i>WiggleWorks</i> instructional program.</p> <p>Harvard University conducted a validation study to measure the effectiveness of <i>WiggleWorks</i> in promoting early literacy. The study proved that first graders using the program made significantly greater gains on standardized reading tests and writing samples than those students who used a traditional language arts curriculum.</p> <p style="text-align: right;"><i>(Continued)</i></p>


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<p>Use effective methods and instructional practices that are based on scientifically based research, Continued</p>	<p>Strengthen the core academic program</p> <p><i>WiggleWorks</i> software and books provide instruction in the Five Components of Reading—phonemic awareness, phonics, fluency, vocabulary, and comprehension.</p> <p><u>Phonemic Awareness</u></p> <ul style="list-style-type: none">▪ The Magnet Board with text-to-speech function allows students to break word into their component sounds and work with phonemes, including segmenting and blending.▪ The Read Aloud, Write, and My Book areas of the software encourage students to use their knowledge of letters and sounds to monitor their reading by recording themselves.▪ The Teaching Plans allow the teacher to provide small-group instruction that integrates letter-sound correspondence with spoken language activities, such as rhyming syllabication, or manipulating onsets and rimes.▪ The Teacher’s Guide can be used to expand student understanding to include more complex phonemic structures, such as consonant blends and digraphs. <p><u>Phonics</u></p> <ul style="list-style-type: none">▪ The Teaching Plans teach phonics skills explicitly, first in isolation and then in words and connected text.▪ The Magnet Board, with text-to-speech features, can be used to introduce a letter or sound, learn blends, or read whole words.▪ The Read Aloud and Read activity areas provide opportunities for children to decode words in context. <p><u>Fluency</u></p> <ul style="list-style-type: none">▪ The <i>WiggleWorks</i> books are leveled using the Guided Reading Leveling system. Level correlations to DRA and the Lexile® Framework for Reading are also included.▪ Children hear fluent reading modeled by an expert narrator. They can also record themselves reading a book and play these recordings to check their own progress.▪ The <i>WiggleWorks</i> Manager maintains a record of what books children have read, how long they spent on each activity, and a portfolio of their work to help teachers gauge children’s progress. <p style="text-align: right;"><i>(Continued)</i></p>

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<p>Use effective methods and instructional practices that are based on scientifically based research, Continued</p>	<p><u>Vocabulary</u></p> <ul style="list-style-type: none">▪ <i>WiggleWorks</i> Teaching Plans have a preview section to build language and background and a vocabulary section that teachers content-related vocabulary, including vocabulary strategies.▪ Vocabulary instruction is offered in the Teaching Plans to introduce Story Words, in the writing activities, and on the software where the Story Words list highlights the new vocabulary words.▪ The My Words list can be printed to make flash cards for vocabulary practice.▪ Students can alter the story in My Book, and teachers can print it for students to take home and share. <p><u>Comprehension</u></p> <ul style="list-style-type: none">▪ The <i>WiggleWorks</i> Teaching Plans include instruction and oral practice in skills such as determining the main idea, summarizing, predicting, and inferential and literal comprehension.▪ The software reinforces taught skills by providing opportunities to write in response to the text or to respond to a specific recorded prompt from the teacher.▪ Multiple genres, including nonfiction texts, are explored in the Teaching Plans which provide discussion for before, during, and after reading the text. <p>Provide an enriched and accelerated curriculum</p> <p>Students who are reading below grade level benefit from WiggleWorks' instructional strategies, skill reinforcement, and engaging literature. The program's technology captivates children and motivates them to read, listen, speak, and write. The interactive software increases children's success and encourages their smallest steps toward progress.</p> <p>In the WiggleWorks program, teachers use a variety of strategies to monitor the progress of students who are reading below grade level so that their performance can be accelerated:</p> <ul style="list-style-type: none">▪ Each Teaching Plan provides teachers with questions they can use to informally assess students and differentiate instruction as needed.▪ The Teacher's Guide contains tools to inform instruction, including Running Records, Benchmark Book information, and stage-appropriate behaviors to notice while observing students. The software allows teachers to manage how particular students move through the books by providing computer options, including the speed at which the book is read aloud and how the text is highlighted. <p style="text-align: right;"><i>(Continued)</i></p>

<p>Key Criteria for Title I, Part A Funding</p>	<p> WiggleWorks</p>
<p>Use effective methods and instructional practices that are based on scientifically based research, Continued</p>	<ul style="list-style-type: none"> ▪ The <i>WiggleWorks</i> Manager allows teachers to observe and assess students’ oral reading, comprehension, vocabulary, fluency, writing, and phonics skills. Students’ reading, writing, illustrations, and activities are saved on the computer, thus allowing teachers to review their progress. Teachers can use this information to plan targeted small-group instruction. ▪ The WiggleWorks Manager also provides teachers with information on the number of books students have read, the dates, time on task, and additional relevant data for individual children. This enables the teacher to monitor student progress, follow up with students who are not adequately progressing, and modify instruction as needed. <p>Increase the amount and quality of learning time</p> <p><i>WiggleWorks</i> is a blend of engaging literature and powerful digital tools that enhance and reinforce core reading instruction—working in conjunction with any basal, Guided Reading, or Balanced Literacy program. Whether the program is used for small-group instruction or for skills practice and extension in a classroom literacy center, children will benefit from the motivation and support that the <i>WiggleWorks</i> technology provides.</p> <ul style="list-style-type: none"> ▪ <i>WiggleWorks</i> includes interactive copies of each story and corresponding skills activity areas that develop children’s phonemic awareness, phonics, fluency, vocabulary, comprehension, and writing skills. ▪ To introduce text, students can click to hear a description of each <i>WiggleWorks</i> book, see a preview of the book’s pages, and listen to a comprehension prompt intended to help them focus on the story’s meaning. ▪ To support independent reading, every interactive <i>WiggleWorks</i> book offers students the option of listening to an expert narrator model fluent reading of the book’s text. As the narrator reads the text is automatically highlighted either line-by-line or word-by-word to help students track text accurately. ▪ To provide word attack strategies, teachers can record a different audio message on each page of the book. These messages can be made available to all students or for only those who require additional support. ▪ To offer prompts or feedback, teachers can use the Teacher Message tool to respond to students’ recorded reading, writing, illustrations, word collection, or phonics activities. <p style="text-align: right;"><i>(Continued)</i></p>

Key Criteria for Title I, Part A Funding	 WiggleWorks
<p>Use effective methods and instructional practices that are based on scientifically based research, Continued</p>	<ul style="list-style-type: none"> ▪ To support reading for meaning, specific tools in the software allow teachers to monitor students' understanding of what they are reading. ▪ To analyze sounds, letters, and words; each Teaching Plan card contains phonemic awareness/phonics instruction, including a suggestion for using the Magnet Board to reinforce each skill. ▪ To monitor oral reading, students record themselves reading each page of the software books. Teachers can review these oral reading in the <i>WiggleWorks</i> Manager. ▪ To diagnose difficulties and individualize instruction, the <i>WiggleWorks</i> Manager allows teachers to observe and assess students' oral reading, comprehension, vocabulary, fluency, writing, and phonics skills.
<p>7. Provide high-quality and ongoing professional development that aligns with the State's academic standards</p>	<p>The <i>WiggleWorks</i> half-day implementation training helps teachers successfully implement the program and engage students in daily reading and writing practice. Teachers will:</p> <ul style="list-style-type: none"> ▪ Review the program organization and research-based teaching materials ▪ Create an implementation plan to support reading and writing instruction ▪ Individualize instruction and monitor student progress with reports ▪ Review resources for communicating with families
<p>8. Involve parents in the planning, review, and improvement of the schoolwide program plan</p>	<p>By bringing home WiggleWorks materials and their own work, children keep their parents informed about how they are using technology to improve their reading and writing skills. These include:</p> <ul style="list-style-type: none"> ▪ Family letters, available in English and Spanish, that can be used introduce the program and provide suggestions for supporting effective reading strategies at home ▪ Printouts of a student's own stories, word lists related to the books read, and other work ▪ Trade books that parents can read to their children to support instruction ▪ Books that students create with the WiggleWorks software in the "Home Connection" part of each lesson <p>WiggleWorks' software record-keeping features enable teachers to gauge student progress. Teachers share this information, along with a description of how students use the program's technology, during parent/teacher meetings.</p>

WiggleWorks Alignment to Title I

Key Criteria for Title I, Part A Funding	 WiggleWorks
9. If appropriate, coordinate with other funding programs	<p>WiggleWorks can be integrated with funds from state, local, and other sources. The federal funding programs for which it is applicable include:</p> <ul style="list-style-type: none">▪ Title I—Supplemental Education Services▪ Title IID—Enhancing Education through Technology (Formula)▪ Title III—English Language Acquisition▪ Enhancing Education through Technology▪ 21st Century Community Learning Centers▪ IDEA, Part B▪ IDEA, <i>Response to Intervention</i>