

Wenatchee School District 246

April 23, 2018

To: Board of Directors

From: Brian Flones
Superintendent

Prepared
By: Sarah Hanchey
Director of Curriculum and Instruction

Re: Learning and Teaching

INSTRUCTIONAL MATERIALS COMMITTEE ADOPTION RECOMMENDATIONS

The Instructional Materials Committee is recommending the Board approve the following curriculum material for district adoption. This aligns with the Wenatchee Learns Strategy 3: *Use the Best Tools and Resources to Advance Learning.*

THIS IS THE FIRST READING

Second reading will be on May 8 and approval will be recommended.

- *Ready Common Core Math* for Core Instructional Materials adoption. Authored by various authors. Published by Curriculum Associates (2017). To be used in grades K-5 for Mathematics. *Ready Math* is aligned to the Common Core State Standards (CCSS). The adoption of this comprehensive Math curriculum will benefit our students by providing them with quality resources to learn mathematical skills and concepts. This program provides students with textbooks, online access, personalized instruction, and a diagnostic assessment tool to drive instruction. Students will also benefit from the vertical alignment offered by this program. *Ready Math* aligns with the district's vision of personalized learning and offers differentiated learning activities for all levels of learners. To see more about this program, go to [Ready Math Information](#).
- *Second Step* for Core Instructional Materials adoption. Published by the Committee for Children (2011). To be used in grades K-5 within Health instruction for social emotional learning. This program supports teachers in teaching social coping skills and learning skills. This curriculum has been used in the district and these materials have become permanent/institutionalized resources over time.

- *Riding the Waves*. Authored by Susan Eastgard and Lisa Watson. Published by the Crisis Clinic (2017). To be used for teaching foundational suicide prevention skills at the elementary level (Grade 5). This curriculum will be used in conjunction with *Second Step*. *Riding the Waves* is endorsed by OSPI and supports accordance with Board Policy 2145.
- *Look, Listen, Link*. Authored by Susan Eastgard and Lisa Watson. Published by the Crisis Clinic (2017). To be used at the middle school level for teaching foundational suicide prevention skills at middle school level, in accordance with Board Policy 2145. *Look, Listen, Link* is endorsed by OSPI.
- AP Comparative Government / *Essentials of Comparative Politics with Cases* for Core Materials adoption. Authored by Patrick O'Neil, Karl Fields, and Don Share. Published by W.W. Norton and Company (2018). To be used at the high school level. This text is recommended for use as the main instructional resource for the course. It is recommended by the College Board and is aligned with the AP Comparative Government curriculum. Additional support will be provided to students through *AP Comparative Politics: An Essential Coursebook*. Authored by Ethel Wood. Published by Woodyard Publications (2015).
- *Exploring Environmental Science for AP* for Core Materials adoption. Authored by Tyler Miller and Scott Spoolman. Published by Cengage Learning (2019). This resource is to be used at the high school level. It will serve as the fundamental resource to teach the AP Environmental Science course at Wenatchee High School.
- *Marine Science* for Core Materials adoption. Authored by Peter Castro and Michael Huber. Published by McGraw Hill (2016). To be used in the Marine Biology course at Wenatchee High School. This resource will replace an older version that has been used for the past 15 years. This updated, more user-friendly version will provide students personalized, adaptive digital resources in addition to the text.
- *Rond-Point Une Perspective Actionnelle* 2nd edition for Core Materials adoption. Authored by various authors. Published by Pearson (2016). The French program has been restructured for the Wenatchee High School bell schedule, making this resource necessary. This curriculum will be used in French 1, 2, 3, 4 courses at Wenatchee High School and will help students prepare for University of Washington 103 course.
- *The American Pageant* 16th edition for Core Materials adoption. Authored by David Kennedy and Lizabeth Cohen. Published by Cengage Learning (2017). This textbook is the most widely used and comprehensive resource for teaching AP US History. It has been used for the past three years at Wenatchee High School.
- *The Cultural Landscape: An Introduction to Human Geography AP* 12th edition for Core Materials adoption. Authored by James Rubenstein. Published by Pearson (2017). This resource will be used to teach AP Human Geography at Wenatchee High School. The previously adopted version (from 2009) is outdated and misaligned because the AP Curriculum Framework has been updated.

Spring 2018 K-5 Math Adoption Information

Ready Math

Instructional Design Philosophy

Main focus: *“Designed for differentiation”*
 Instruction/core curriculum/assessment work together
 Assessment should drive instruction & easily monitor growth.
 Personalized instruction
 The program is driven by data.
 Not a recycled program; Developed after & based on the CCSS.

Program structure

[Scope & Sequence Kindergarten](#) [Scope & Sequence Grade 1](#)
[Scope & Sequence Grade 2](#) [Scope & Sequence Grade 3](#)
[Scope & Sequence Grade 4](#) [Scope & Sequence Grade 5](#)

Students get instruction from:
 1) Ready Math (the math book)
 2) iReady Personalized instruction (automated differentiated online practice)
 3) iReady diagnostic & lessons (which come from the iReady diagnostic tool).

Ready Math

Built with coherence in mind.
 Each lesson is built to last a week & to develop students conceptual understanding over that time.
 Skills & strategies lessons are provided for students who need to develop understanding.

Lesson structure:

- Greater focus on fewer topics - each lesson is 1 week of instruction (eg. unit 1 has 4 lessons, so 4 weeks of instruction)
- Bulk of major standards occurs at the front half of the year
- Lessons are written specifically to the standard. First lesson is focused on developing conceptual understanding (Develop and understand).
- Overall, there are 3 different types of lessons for gradual release
- Gradual release of instruction: Teacher is facilitator and students assume more of the responsibility for learning as the week goes on.
- There is NO stand & deliver component.
- The “Understand” portion of the lesson focuses on building conceptual understanding before asking students to use procedural fluency. Then students move into procedural fluency activities.
- Student discourse routine takes 20-25 minutes
 - The lesson starts with a whole group problem
 - Students discuss what the problem is about
 - Teacher asks what information from the problem is important
 - Students compare their strategies

	<p>Good use of routines, like Think-share-compare routine Daily routines for habits of mind Differentiation is guided through the iReady diagnostic & iReady personalized instruction.</p> <p><u>iReady diagnostic & personalized instruction</u></p> <ul style="list-style-type: none"> ● iReady diagnostic benchmark is a K-8 assessment which provides a student score, and reports on domain knowledge as well as sub skills within each domain. Data from iReady drives the instruction. ● Diagnostic is given 3x per year, takes 45 min. ● Students begin by answering questions 1 year below their grade level. As they answer, iReady adapts to ask more difficult questions until it finds the students level (ZPD). ● Highly correlated with SBA performance ● There are embedded lesson plans in the data report geared to each student's indicated needs. ● iReady personalized instruction has the student focus on their lowest skill area first and then moves into other areas. ● Students have access to all grade levels through iReady, so differentiation is built in. ● i-Ready can be assigned for homework, used once per week during computer-access time, assigned for differentiated time during the school day (intervention, enrichment, etc.), or integrated into the math block.
<p>Teacher Resources</p>	<ul style="list-style-type: none"> ● Teachers have online access to the entire K-8 curriculum in case it's needed for reteaching, extending. ● Teacher Resource Book (print & online) ● Teacher Practice & Problem Solving book (print & online) ● Online Teacher Toolbox: *The Teacher Toolbox is an online license that gives you access to the lessons in i-Ready (so you can use them for whole group instruction) and the digital versions of everything in the Ready curriculum. Provides quick access to all the resources you need as a teacher – i-Ready and Ready lessons together in one place. ● New student books & teacher books are sent each year as technology changes influence print ● Family letter provided for each week that includes activities for parents to do at home with their children. Provided in Spanish as well.
<p>Student Resources</p>	<ul style="list-style-type: none"> ● Student Instruction book is like a math journal that is used in class; Available K-5 in English & Spanish. ● Book <u>only</u> has the grade level standards- no more, no less-- to ensure focus ● Student Practice & Problem solving book (print & online) to be used <i>after</i> instruction for practice and homework ● Student Assessment book ● iReady online instruction (English). ● Math Fluency practice-- Door 24 Plus iPad App ● New books are sent each year as technology changes influence print.

<p>Digital Resources/ Classroom Technology</p>	<p>Full K-8 program is online for teachers to access lessons for all levels of need. iReady diagnostic component iReady personalized learning pathway</p> <ul style="list-style-type: none"> • Students who use the personalized pathway perform 65% better than students who don't. Case studies are available. Most districts that use <i>Ready Math</i> are not 1:1 device districts. Most schools use 2-3 computer/iPad carts that rotate through grade levels.
<p>How much daily time are the lessons in this program designed for?</p>	<ul style="list-style-type: none"> • Ready Math lessons are designed to take 45-60 minutes daily. • iReady Personalized instruction: 45 minutes per week online is the goal; This results in strong growth highly correlated to SBA performance. The 45 minutes per week is typically segmented into smaller chunks of time, but students can do this anywhere with internet access (home, school, library, etc.). This component fits best into instructional days 3, 4, or 5 each week. Models for integrating i-Ready vary by district. For example, i-Ready can be assigned for homework, used once per week during lab time, assigned for differentiated time during the school day (intervention, enrichment, etc.), or integrated into the math block.
<p>CCSS</p>	<p>Andrew Webb (Webb's DOK)</p> <ul style="list-style-type: none"> • Units 1-4 have the major work of the grade. • "Lessons" are designed to last for 1 week of instruction so teacher can go in more depth
<p>Math talk opportunities for students to explain & justify their thinking or engage in inquiry</p>	<p>There is <i>lots</i> of student discourse in this program. Example: Introduction problem focuses on a real world problem and math discourse-- 20-25 minutes each day for at least 3 days per week.</p>
<p>Additional materials we'd need to provide for this program</p>	<p>Students need access to iPads/chromebooks for 45 min per week, so we'd likely need to purchase some additional chromebooks &/or iPads. Earphones or earbuds. Curriculum Associates does <u>not</u> sell manipulatives. Ready Math provides a list of common manipulatives for each grade that teachers usually have on hand. District will inventory what is on hand and purchase remaining needs. List of Ready Math manipulatives needed for each grade</p>
<p>Which WA school districts presently use this program?</p>	<p>Centralia, Ridgefield, Deer Park, Walla Walla, West Valley Yakima, East Valley Yakima, Tumwater, Griffin, Elma, & Onalaska. Idaho State Department of Education- approved Statewide. Oregon State Department of Education- approved Statewide. Ready Math is the <i>highest</i> rated math program on <i>EdReports</i>. K-2 EdReports 3-5 Ed Reports</p>
<p>Support for bilingual students</p>	<p>ELL support tips in the TE Checks for remediation</p>

(e.g. Spanish resources)?	Ready books are available in English and Spanish; Spanish version is printable from the Teacher's Toolbox online. Parent letters available in English and Spanish.
What does your program offer for differentiation (all levels)?	Ready Math is "designed for differentiation". The iReady diagnostic is given 3x per year & allows teachers to pinpoint students skill needs and to easily monitor growth. Student reports are generated for the teacher which show skill groups, individual student needs, and instructional suggestions. In addition to the Ready Math instruction (45 min/day), students are placed into iReady personalized instruction geared toward their strand needs. Program strongly recommends that students spend at least 45 minutes per week on the iReady personalized instruction.
What does your program offer for intervention (identify & fill gaps & extend learning)?	Checks for remediation iReady diagnostic iReady personalized instruction
Opportunities for using manipulatives & opportunities to build concrete understanding at all levels	Ready Math lessons encourage the use of manipulatives. The hands-on lessons use common manipulatives that teachers generally have on hand. List of Ready Math manipulatives needed for each grade
Real-world problem solving experiences	Example: Introduction problem each week is always focused on real-world problem solving (Ex. painting a fence, etc.)
Student engagement? Game-based?	Door 24 Plus Math App (Fact & Computational Fluency) Snargg Splatt (Fact Fluency Game) Victor Fixer (Computational Fluency Game)
Does the publisher integrate with Clever	Yes. This program would sync with Skyward nightly like Wonders, and students would have a Single-sign-on feature like they do in Wonders.
How many instructional days worth of lessons are provided for each school year?	Kindergarten has 160 days worth of math lessons (32 weeks x 5 days) Grade 1 has 170 days Grade 2 has 140 days Grade 3 has 165 days Grade 4 has 165 days Grade 5 has 155 days *Days above do not include the iReady diagnostic assessment days (3 sessions per year). **iReady personalized lessons are available if additional content is needed for more instructional days.