

# WDE STANDARDS UPDATES

Back-to-School Newsletter

September 2014



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## Welcome Back to a New School Year!

Welcome to a wonderful new school year! We hope you had a rejuvenating summer and are ready to be the best educators Wyoming has to offer.

## Finding Resources on the WDE Website

We've had some changes to our WDE website and want to guide you to some key areas. You may find the following links helpful:

### STANDARDS:

Standards documents and resources for each of the 9 content areas can be found at <http://edu.wyoming.gov/educators/standards/>

### ASSESSMENT:

**2015 Assessment Blueprints** - <http://edu.wyoming.gov/educators/assessment/paws/>

found near the bottom of the page under *Assessment Related Links: PAWS Blueprints*

Information specific to the PAWS assessment for math and ELA can be found on the next few pages

**Released Items** - <http://edu.wyoming.gov/educators/assessment/>

found in the box on the left-hand side, labeled as *PAWS Grade X (for gr. 3-8)*

**ACCESS for ELL** - <http://edu.wyoming.gov/in-the-classroom/federal-programs/title-iii/>

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# Standards Update

**MATH, ELA, & HEALTH** - 2012 WyCPS should be fully implemented in schools by the start of next school year. This includes curriculum, instruction, and district assessments. The PAWS test for Math & ELA will be fully operational for the 2015 administration, meaning the test is fully aligned with the new 2012 standards.

## **FOREIGN LANGUAGE and FINE & PERFORMING ARTS** -

2013 WyCPS were fully adopted in November 2013. These new standards should be fully implemented in schools by the beginning of the 2016-17 school year.

**C&VE, SS, & PE** - 2014 WyCPS were approved by the State Board of Education (SBE) on April 11, 2014. The WDE has been collecting public comment through September 11, 2014, and the SBE will review those comments at their October 9th meeting in Riverton.

**SOCIAL STUDIES** - Please be aware, **W.S. 21-9-102** requires all publicly funded schools in Wyoming to give instruction in state and federal constitutions; satisfactory examination is a prerequisite to graduation.

All schools and colleges in this state that are supported in any manner by public funds shall give instruction in the essentials of the United States constitution and the constitution of the state of Wyoming, including the study of and devotion to American institution and ideals, and no student shall receive a high school diploma, associate degree or baccalaureate degree without satisfactorily passing an examination on the principles of the constitution of the United States and the state of Wyoming. The instruction shall be given for at least three (3) years in kindergarten through grade eight (8) and for one (1) year each in the secondary and college grades.

Also, **W.S. 21-9-103** states willful failure on the part of any school or college administrator or instructor to carry out the requirements of W.S. 21-9-102 shall be sufficient cause for the removal of such person from his position.

**The 2014 Social Studies Content Standard 1: Citizenship, Government, and Democracy**, includes several benchmarks to assist in teaching both the Wyoming and United States Constitutions.

Grade Band K-2	Grade Band 3-5	Grade Band 6-8	Grade Band 9-12
SS 2.1.1	SS 5.1.2	SS 8.1.3	SS 12.1.3
	SS 5.1.3	SS 8.1.5	SS 12.1.5
		SS 8.1.6	

**SCIENCE** - The SBE voted to 'hold' on the review of the WyCPS for Science until further directed. During Legislative session in 2014, a footnote was added to the budget bill that prohibited the review and adoption of the Next Generation Science Standards (NGSS) which had been the recommendation by the Science Standards Review Committee in October 2013.

Jim Verley, who had been our science consultant, has taken a position at UW. We will be recruiting for a STEM Consultant, looking for someone with teaching experience in math and/or science.

## CVE Announcement

CWC in Jackson Hole WY is holding a culinary conference Nov. 7th-8th. There will be hands-on workshops and a panel discussion relating to the arts and science of food. PTSB credit will be provided. For details, visit <http://www.jhculinaryconference.com/>

**STEM** The CTE unit worked in partnership with the University of Wyoming to deliver the first annual 'Roadmap to Science, Technology, Engineering and Mathematics (STEM)' conference in Laramie, WY in August. The conference was a success, and will be held annually as a platform to connect Wyoming educators with STEM education resources. Most of the presentation materials and resources from the conference can be accessed by visiting the following website and clicking on 'Resources':

<http://edu.wyoming.gov/in-the-classroom/career-tech-ed/wystem/2014-conference/>

# Assessment Information for PAWS 2015

**Allowable Resources**— Scratch paper is now an allowable resource during every section of the PAWS and SAWS test (Reading, Writing, Science, and Math.) This includes patty/tracing paper, graph/grid paper, and lined/copy paper. As it was for the 2014 PAWS administration, there will not be a reference sheet for the math portion. For instance, a math standard might state a student should ‘know’ the area of a circle. Therefore, they will not be given the formula. If an item needs a formula or conversion that is not part of the standard being assessed, it will be given in the problem on the assessment.

**Vocabulary/ Terminology on PAWS**— Test designers often refer to language used in the standards when writing items. So, it is good practice to use and encourage this language with your students. For example, if a Language Art’s standard employs the literary term “drama”, use this word as frequently as “play”, so students are familiar when they see the word “drama” on a test form.

**Math Vocabulary**— The educators at our PAWS Item Review (July 2014) felt the following were important to stress to teachers in preparation for this school year. These terms are found in the standards and should be familiar to students.

3rd Grade Vocabulary	4th Grade Vocabulary	5th Grade Vocabulary
<ul style="list-style-type: none"><li>• Terms of 4 operations (sum, difference, product, quotient)</li><li>• Terms in patterns</li><li>• Division signs (all including fraction bar)</li><li>• Multiple</li></ul>	<ul style="list-style-type: none"><li>• Divisor, Dividend, Quotient, Product</li><li>• Inequality</li><li>• Place Value</li><li>• Multiplicative</li></ul>	<ul style="list-style-type: none"><li>• Parentheses ( ), Braces { }, &amp; Brackets [ ]</li><li>• Divisor, Dividend, Quotient, Product</li></ul>
6th Grade Vocabulary	7th Grade Vocabulary	8th Grade Vocabulary
<ul style="list-style-type: none"><li>• Divisor, Dividend, Quotient, Product</li><li>• Spent, Deposit, Withdraw, Earned, Donated...</li><li>• Mean &amp; Median</li><li>• Interquartile Range (IQR)</li><li>• Mean Absolute Deviation (MAD)</li><li>• Variability</li></ul>	<ul style="list-style-type: none"><li>• Proportional Relationships</li><li>• Variability</li><li>• Quotients</li></ul>	<ul style="list-style-type: none"><li>• Mean Absolute Deviation (MAD)</li><li>• Absolute Deviation</li><li>• Initial Value</li><li>• Pattern of Association</li><li>• Bivariate Data</li></ul>



# Assessment Information for PAWS 2015 (cont.)

**Math Concepts** — The educators at our PAWS Item Review (July 2014) also wanted to stress teaching the following concepts in mathematics.

3rd Grade Concepts	4th Grade Concepts	5th Grade Concepts
<ul style="list-style-type: none"> <li>Number Sentence &amp; Equation (can be used interchangeably)</li> <li>Know multiplication facts (x12) within 100</li> <li>Know how to add with both horizontal (<math>35 + 15 = 50</math>) and vertical alignment               <math display="block">\begin{array}{r} 35 \\ + 15 \\ \hline 50 \end{array}</math> </li> <li>3.NF.1—items can be set up with fractions that are not a whole (<math>&lt; 1</math>)</li> <li>3.NF.2—Fractions on a number line are not bound between 0 and 1. (i.e. <math>2-3/4</math>)</li> <li>Help students understand that a square or rectangle can be partitioned into 2 equal triangles. (3.G.2)</li> <li>Work on having answer options of 'both' and 'neither' are correct</li> <li>Use number line diagrams to measure time intervals and elapsed time</li> <li>Know and understand all categories of shapes as given in the standards</li> </ul>	<ul style="list-style-type: none"> <li>Know the metric and standard units of measurement</li> <li>Know the difference between area and perimeter; know what they mean, not just how to find</li> </ul>	<ul style="list-style-type: none"> <li>Teach multiplication of fractions in a vertical manner</li> <li>Work with students on tables and teach them how to organize and read information.</li> <li>Help students understand that the following are two formats that say the same thing:               <math display="block">\begin{array}{r} 12 - 5 \\ 5 \times 4 \end{array} \qquad \begin{array}{r} 12 - 5 \\ 20 \quad 20 \end{array}</math> </li> </ul>
6th Grade Concepts	7th Grade Concepts	8th Grade Concepts
<ul style="list-style-type: none"> <li>6.NS.5—practice with real-world application</li> <li>Focus more on Statistics and Probability domain</li> <li>Students need more experience with box &amp; whisker plots and need to understand the meanings</li> </ul>	<ul style="list-style-type: none"> <li><math>-(a/b) = (?a/?b)</math> determine sign placement to make this true</li> <li>Percent decrease</li> <li>7.EE.2</li> <li>Factoring and expanding in the same problem</li> <li>Area models with equivalent expressions</li> <li>Solution set { } (learned in 6th gr.)</li> <li>Constructions</li> <li>Quantities (quantities can be both variables and constants )</li> <li>Quotients</li> <li>Problems involving decimals and fractions in them</li> <li>Factoring (pulling out the negative)</li> <li>Cross sections</li> <li>Writing in terms of pi</li> <li>Scale drawings</li> </ul>	<ul style="list-style-type: none"> <li>add &amp; subtract with scientific notation</li> <li>Solution of a system of equations (no solution, infinite solution, zero solution)</li> <li>Quadratic functions (more conceptual than use)</li> <li>Sphere formula</li> <li>Increasing &amp; decreasing functions</li> <li><math>2 &lt; x &lt; 5</math> etc....</li> <li>Process of taking a root and estimating out to 2 decimal places</li> <li>Cube roots</li> <li>Standard form for a system of equations</li> </ul>

# Professional Development Opportunity for ELL Educators

## Differentiate to Educate: Building Academic Language for English

### Language Learners

October 28 & 29 8:30am - 4:30pm

District Board Room

2811 House Avenue

Cheyenne, WY 82001

Audience: Teams of Educators, Administrators

Recommended Number of Participants: 30

### Description

This interactive workshop will combine Wyoming Content and Performance Standards and the WIDA framework to differentiate for diverse English Learners.

### Objective

Participants will:

- Use the WIDA ELD standards for differentiation in the instruction and assessment of English Learners (ELs)
- Apply scaffolding techniques for the linguistic development of ELs that are appropriate for their language level
- Integrate language and Wyoming Content and Performance standards in planning, instruction, and assessment
- Use language assessment in educational planning and instruction of ELs

**Registration:** <https://www.surveymonkey.com/s/CheyenneWIDA>

**Questions:** Robin Holbrook 307-777-5217 or [robin.holbrook@wyo.gov](mailto:robin.holbrook@wyo.gov)

During the 2014-15 school year, Wyoming will be participating in the ACCESS 2.0 Field Test. The testing window for the Field Test is December 15, 2014 – April 10, 2015. For information on how to participate in the 2015 ACCESS for ELLs 2.0 Field Test, including frequently asked questions, technology requirements, and preparation resources, please visit the Field Test Website: <http://assets.wceruw.org/implementation/fieldtest.aspx#overview>.

WIDA is offering incentives for Districts who choose to participate.

# Sign Up to Receive Information Periodically Throughout the School Year

The Standards Team would like to be able to send you periodic updates to resources and information. If you would be interested in receiving valuable information, a few times throughout the school year, please click on the content specific link(s) to the right and give us your name and contact information. This will take less than 5 minutes to complete.

## Statewide PLC on Edmodo

We would like to help set up a statewide PLC on Edmodo, so teachers, coaches, and facilitators can ask questions, share information and resources, and even share lessons and mapping documents that have already been created. There is a wealth of information and documents already out there in our great state, and I know many of you would love to share and receive any help possible. To join our Edmodo group, please go to <https://www.edmodo.com> to create an account or log in if you already have one. Once you are logged in, use the appropriate codes found in the green box below to join that group.

### CODES for Edmodo PLC:

Math – y7yz6u

Health – pp4gj2

Science – 86phy7

Social Studies – 2q954c

Early Childhood - ww9xvr

English Learners – 7e47ye

Career & Voc. Ed. – zhc48f

Foreign Language – rbpzkm

Physical Education – 26qs2q

Fine & Perform. Arts – qpntu3

English/Language Arts - cueqay

Special Ed. – email Jennifer Hiler at

[Jennifer.Hiler@wyo.gov](mailto:Jennifer.Hiler@wyo.gov)

[Language Arts \(ELA\)](#)

[Mathematics](#)

[Science](#)

[Social Studies](#)

[Physical Education](#)

[Foreign Language](#)

[English Learner](#)

[Career / Vocational Ed.](#)

[Fine & Performing Arts](#)

[Health](#)

## Edmodo

Edmodo is a social media site specifically for the education world, created by two district employees in 2008. It is now the #1 social learning network for K-12 in the world and has over 40 million members worldwide.

Create an account, for free, by going to

<https://www.edmodo.com>

### WDE Disclaimer for Edmodo PLC:

The WDE has no authority to recommend or endorse curriculum per W.S. 21-2-304(a)(iii). By signing into the Wyoming Statewide PLC through Edmodo, you understand that the WDE is NOT endorsing, providing, or dictating curriculum in any way. You also understand this is a professional group. The purpose of the group is to share and learn from each other in our profession. Any individual making inappropriate posts will be removed from the group. The WDE provides the Edmodo website as a service. While the information contained within the site is periodically updated, no guarantee is given that the information provided by members is correct, complete, and/or up-to-date. Links to third-party sites and the appearance of product or service information does not constitute an endorsement by the WDE. Although this Edmodo site may include links providing direct access to other internet resources, including websites, the WDE is not responsible for the accuracy or content of information contained in these sites.