









**Curriculum & Administrative Solutions** 

## FuelEd – Propel Students Into the Future

Kansas Department of Education Annual Conference

Glenda Fleener, The Learning System
2014



## Discussion

What do you envision learning will look like in 2019?

 How will blended learning/flipped learning be incorporated within Kansas schools by 2019?















# Full-Time Programs

## Online Courses

### Credit Recovery

## **World Languages**

# Prescriptive Learning & Remediation

- Instruction and curriculum tailored to different grade levels
- Award-winning curriculum, systems, and services

- Courses across multiple academic levels
- More than 40 electives and 19 AP courses
- Deep STEM offering

- ELL support with additional audio and pre-teaching of vocabulary
- Instructional support staffed by certified teachers included
- 6 world languages: more than 39 courses incorporating Middlebury College language expertise
- Individualized assessments and remediation at the topic, skill, and state standard level for core 1–12 courses
- Summative, formative, and adaptive assessments for RTI

## Who can this solution be used with?



**Struggling Students** 

**Advanced Students** 

**Independent Learners** 

Students in Need of Credit Recovery

Capture Homeschool Students

Course Catalog Expansion

Introduction to Online Learning

# **FuelEd Course List**

## **fueled**ucation<sup>™</sup>

### Advanced Placement\*\*

AP Art History

AP Biology

AP Calculus AB

AP Calculus BC

AP Computer Science A

AP English Language

AP English Literature

AP Environmental Science\* AP European History

AP French Language & Culture

AP Macroeconomics\*

AP Microeconomics\*

AP Physics B

AP Psychology\*

AP Spanish Language &

Culture(N)

AP Statistics

AP U.S. Government\*

AP U.S. History

AP World History

### Language Arts

Grammar & Composition

English I (N)

English II

English III

English IV (N)

Creative Writing

Journalism\*

### Math

Pre-Algebra

Algebra I

Geometry

Algebra II

Trigonometry\*

Pre-Calculus\*

Calculus

Consumer Math

Integrated Math

Personal Finance\*

### Science

Physical Science

Earth Science

Biology

Chemistry

Physics

**Environmental Science** 

Forensic Science\*

### **Social Studies**

Geography

World History

American History

American Government\*

Civics\*

Fconomics\*

Contemporary World Issues

Family & Consumer Science\*

Psvchologv\*

Anthropology\*

### **World Languages**

French I

French II

French III

French IV

German I

German II

German III

German IV

Japanese I

Japanese II

Latin I

Latin II

Mandarin (Chinese) I Mandarin (Chinese) II

Spanish I

Spanish II

Spanish III

Spanish IV

### Technology

Computer Fundamentals

Digital Photography\*

Game Design\*

Java Programming\*

**VB.Net Programming\*** Web Design\*

### **Additional Electives**

Accounting

Art Appreciation\*

Career Planning\*

Driver's Safety\* Health\*

Life Skills\*

Music Appreciation\*

Nutrition & Wellness\*

Physical Education

### **Extended Electives**

Archeology\*

Astronomy\*

Criminology\*

Fashion & Interior Design\*(N)

Gothic Literature\*

Great Minds in Science: Ideas

for a New Generation\*

History of the Holocaust\*(N)

Hospitality & Tourism\*

International Business\*

Introduction to Culinary

Arts\*(N) Introduction to Social Media\*

Introduction to Legal Studies\*

Mythology & Folklore\*

Philosophy\*

Real World Parenting\* Social Problems I: A World in

Crisis\*

Social Problems II: Crisis.

Conflicts & Challenges\* Sociology\*

### Foundations

Algebra I

American History

Biology

Earth Science

English I English II

English III

English IV Geography

Geometry

Health\* Physical Science World History

### Credit Recovery

Language Arts

English I (E)

English II (E)

English III (É) English IV (E)

### Math

Algebra I (E)

Algebra II Geometry (E)

### Science

Biology (E)

Chemistry (E)

Earth Science (E) Physical Science (E)

**Social Studies** American Government\*(E)

American History (E)

Economics\* (E)

Geography (E) World History (E)

### **Middle School**

### Language Arts

Language Arts 6 Language Arts 7

Language Arts 8

### Math

Math 6

Math 7

Math 8

### Science

Science 6 Science 7

Science 8

**Social Studies** 

Social Studies 6

Social Studies 7 Social Studies 8

Family & Consumer

Science\* World Languages French 1

French 2

German 1

German 2

Spanish 1

Spanish 2 World Language Survey\*

**Electives** 

Art 6\* Art 7\*

Art 8\*

Career Explorations\* Health 6\*

Health 7\*

Health 8\* Music 6\*

Music 7\* Music 8\*

Physical Education 6\*

Physical Education 7\* Physical Education 8\*

### **Extended Elective**

Photography\*

**fueled**ucation<sup>™</sup>

- 170+ self-paced courses for grades 6-12
  - Core, AP, World Languages, Electives, Credit Recovery
    - 19 AP courses
    - 6 Languages
    - 42 electives
    - 40+ STEM courses



- Multimedia format with interactive elements
  - Visual, kinesthetic and auditory



- Blackboard & PEAK platforms
- Utilize our Instruction, or we can train your instructors
- Dedicated customer support team



## What's New



# FuelEd Online Courses (24 new, 8 shared with K<sup>12</sup> FTS catalog)

### Middle School

- Grade 6 Language Arts
- Grade 7 Language Arts
- Grade 8 Language Arts
- Fundamentals of Geometry and Algebra
- Pre-Algebra
- Algebra
- Earth Science
- Life Science
- Physical Science
- Extended Electives
  - Journalism

- Developmental Algebra (S)
- Continuing Algebra (S)
- Algebra I Extended Learning
- Integrated Mathematics I (S)
- Integrated Mathematics II (S)
- Integrated Mathematics III (S)
- Extended Electives
  - Art in World Cultures
  - Careers in Criminal Justice (S)
  - Cosmetology
  - Early Childhood Education (S)
  - Entrepreneurship
  - Introduction to Agriscience (S)
  - Peer Counseling
  - Public Speaking

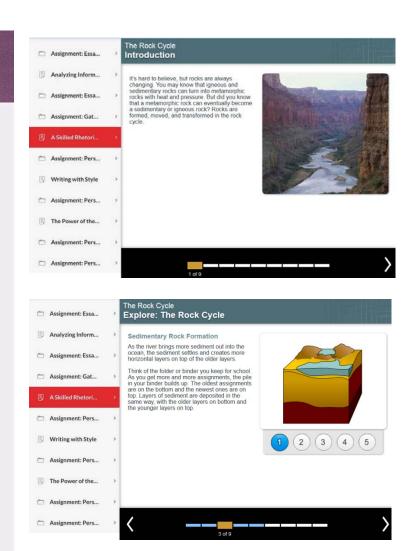
High School

## **FuelEd Curriculum Overview**



### **Middle School Courses**

- New core courses for SY14-15
- 90 hours per semester for Math and Science
- 135 hours per semester for Language Arts
- Modern visual design
- Tablet compatible with interactive touch navigation
- Learning tools including text to speech and translation
- Specifically designed to develop the skills that Middle School students need as they transition to higher level course work.



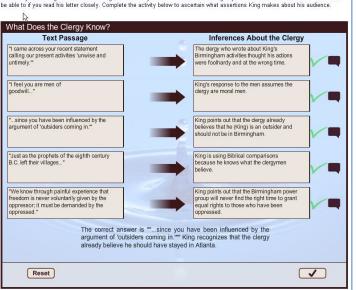
\* Does not include Social Studies

## **fueled**ucation<sup>™</sup>

### **Original Credit Courses (Standard)**

- 90 hours per semester
- Majority of courses do not require textbooks
- High school
  - Most courses have 5 units/semester
  - 3 to 5 sections per unit (some AP higher)
- Middle School
  - 18 lessons per semester (1 per week)
  - Project-based learning

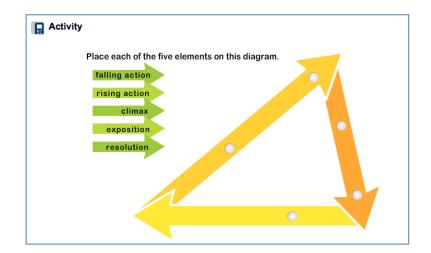




## **fueled**ucation<sup>™</sup>

### **Foundations Courses**

- Excellent for struggling students
- Designed to be a modified version of original course
- 60-70 hours of student time as compared to 90 in Original credit courses
- Lower reading level
- Elements include:
  - Audio on almost all pages
  - ELL support:
    - Pre-teaching of vocabulary in English and Spanish
    - Non-linguistic activities
  - Checklist
  - Study guides

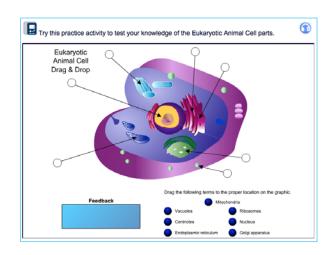


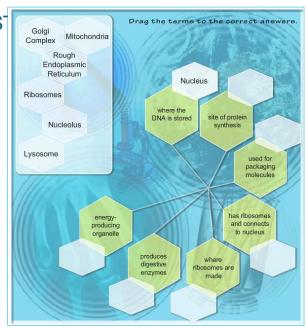
rag each dependent clause on the left to the o	correct corresponding phrase on the righ
Dependent Clause	Independent Clause
Because Becca failed to study	
	they had no sympathy for her.
After the test was completed	
	she would have gotten an A.
When she finally told her parents	
	she received an F as a grade.
Since everyone seems interested	
	she ran crying from the room.
If she had bothered to study	
	she failed the exam.

# **fueled**ucation<sup>™</sup>

### **Credit Recovery Courses**

- 19 courses, tailored to students who need extra help in mastering content by using simplified explanations, interactive lessons with narrated audio clips, and vocabulary links.
- Can be used as part of your summer school program – or anytime throughout the year.
- Real-time, interactive teacher support included; 8am 11pm EST
- Elements include:
  - Reading Level reduced by 1-2 grade levels
  - Audio on almost all pages
  - ELL support for most courses:
    - Pre-teaching of vocabulary in English and Spanish
    - Non-linguistic activities
  - Checklist
  - Study guides





## **fueled**ucation<sup>™</sup>

### **World Language Courses**

- Six world languages, with varying levels, for high school and five for middle school
  - Japanese (high school only), Spanish, French, Chinese, German, and Latin
- Choose either Aventa or Middlebury Interactive courses (Japanese is Aventa only)
- Aventa world languages are designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL).
  - Presented in the same format as all Aventa courses for continuity for your students.
- Middlebury Interactive world languages align with the National Standards developed by the ACTFL).
  - Based on the academic excellence of Middlebury College and its proven world language curriculum.







xfio pour l'entendre et sur le mol

- · Cliquez sur l'icône audio pour entendre chaque mot ou phrase. · Cliquez sur le mot pour voir sa traduction en anglais.
- · Exercez-vous en prononçant chaque mot ou phrase à haute voix.

### o suivre des cours

- n l'emploi du temps
- o un élève
- o un étudian un(e) instituteur(ice)/un(e) maître(sse)
- le professeur principal
- o le délégué de la classe
- o un conseil de classe
- o un relevé de notes/un carnet de notes
- passer le brevet
- o le brevet
- nasser le bac
- o le baccalauréat, le bac
- a sécher
- les matières o un lycée professionne
- o un proviseur o un pion, un surveillant
- o les heures de colle

- o récole maternelle
- n l'école primaire
- o le collège
- o le lycée O l'université/la faculté ou la fac
- a la scolarité
- être scolarisé
- nedouble:
- a la rentrée
- o échouer
- o réussir
- o une épreuve

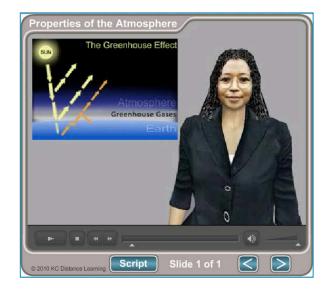




### **AP Courses**

- 19 AP courses
- Ranging from Calculus AB to Art History, we offer a comprehensive and broad catalog for just about any student looking to receive college credit while still in high school.
- All AP courses are college-level and follow curriculum specified by the College Board





# **Engaging Curriculum: Multimedia Content Examples**



Courses feature a rich multimedia format that includes interactive elements (avatars, interactive tutorials, whiteboard illustrations, manipulatives, practice games, and videos) to help keep students engaged and motivated to learn.

- These elements provide students opportunities to use visual, kinesthetic, and auditory learning methods.
- Interactive tutorials help illustrate complex concepts more clearly.
- Avatars help establish connections between topics and "real-world" applications.







<u>Policymakers</u>

Photosynthesis
Lab

Bridge of Doom Game

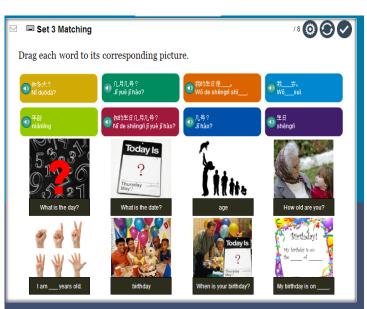
## **Middlebury Courses within Aventa Catalog**



Set 3 Warm-up

- 23 language courses included (each two semesters)
- High School
  - Spanish I, II, III & AP Spanish
  - French I, II, III, & AP French
  - German I, & II
  - Latin I & II
  - Mandarin I & II
- Middle School
  - Spanish 1 & 2
  - French 1 & 2
  - German 1 & 2
  - Latin 1 & 2
  - Chinese 1 & 2





## **All Middlebury Courses**



	Grades K-2 MIDDLEBURY	Grades 3-5 EXPOSURE	Grades 6-8 COMP	Grades 9-12 ETENCY	Grades 9-12 FLUENCY	Grades 11-12 AP* Advanced Placement
Spanish	1	1&2	1&2	1 & 11	I, II & III	AP*
French		1&2	1&2	1 & 11	I, II & III	AP*
Chinese		1	1&2	1 & 11	I & II	
German		1&2	1&2	1&11		
Latin		1	1&2	1 & 11		

# ELL Program Overview Theme and Modules



MODULE 1	MODULE 2	MODULE 3	MODULE 4	5: PROJECT				
Engagement (introducing topic, building thematic vocabulary, making connections to prior knowledge)	Literacy/Textual Focus (reading, critical thinking, and language development)	Communicative focus (listening/speaking) building toward writing) Media Integration	Pre-writing, (preparation for independent project)	Creative and collaborative learning task that strengthens skill transfer				
<ul> <li>Building         background         knowledge</li> <li>Connections         to self</li> <li>Pre-         assessment</li> <li>Vocabulary</li> <li>Project         introduction</li> </ul>	<ul> <li>Reading task</li> <li>Vocabulary task</li> </ul>	<ul> <li>Media integration task</li> <li>Listening and Speaking tasks</li> <li>Discussion task</li> <li>Pre-writing tasks</li> </ul>	(Language)	<ul> <li>Writing task</li> <li>Discussion task</li> <li>Project = Post assessment</li> <li>*Research task</li> </ul>				
introduction	Modules include task-based activities							

## **Our Peak Platform**

**Personalizing Learning & Transforming the Education Experience** 







Learning Management System

Industry-standard learning management system customized to meet the needs of the K-12 learner.

The front door to your digital learning experience



peak office or small, all in one place.

Online Program Management Tool

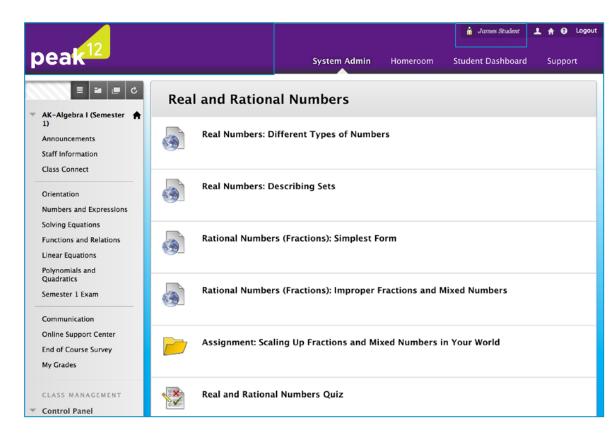
**peak** library Personalized, individualized digital learning experiences at your fingertips.

### **PEAK Classroom**



With an expansive course catalog delivered on a best-in-class learning management system, you have the flexibility to meet each student at his or her point of need.

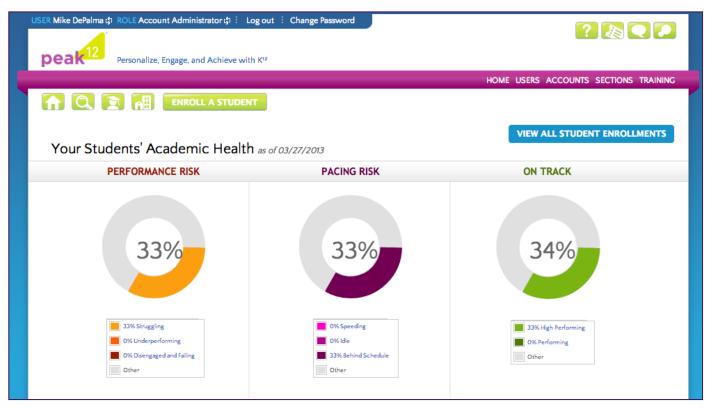
- Courses: 170 + for grades 6-12, foundation/standard/AP levels
- Credit Recovery: 19 designed for CR, most with ELL support
- AP: 19 courses with AP review included in most courses
- STEM: 40 science, technology, engineering and math courses
- World Languages: Over 20
   Middlebury Interactive courses
   (Spanish, French, Chinese, Latin and German)
- Electives: Over 30 electives include AP Art History, Career Essentials and Nutrition and Wellness
- Extended Electives: 23 additional electives designed to engage and motivate today's teenagers that foster career exploration





PEAK Office is an online program management tool with robust reporting

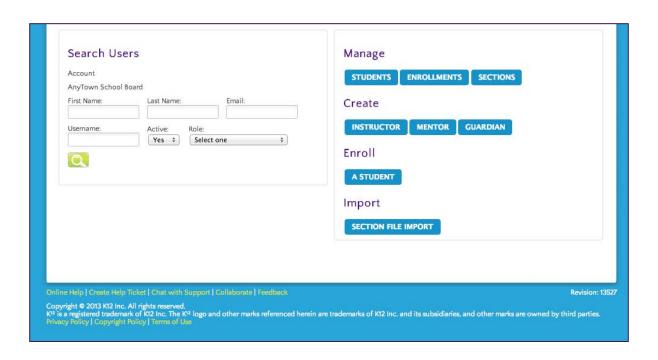
features.



PEAK Office dashboard features allow administrators, teachers, and mentors to see student progress at a glance.



Administrative responsibilities, such as managing all the district's licenses, student accounts, and enrollments, are more efficient with PEAK Office.

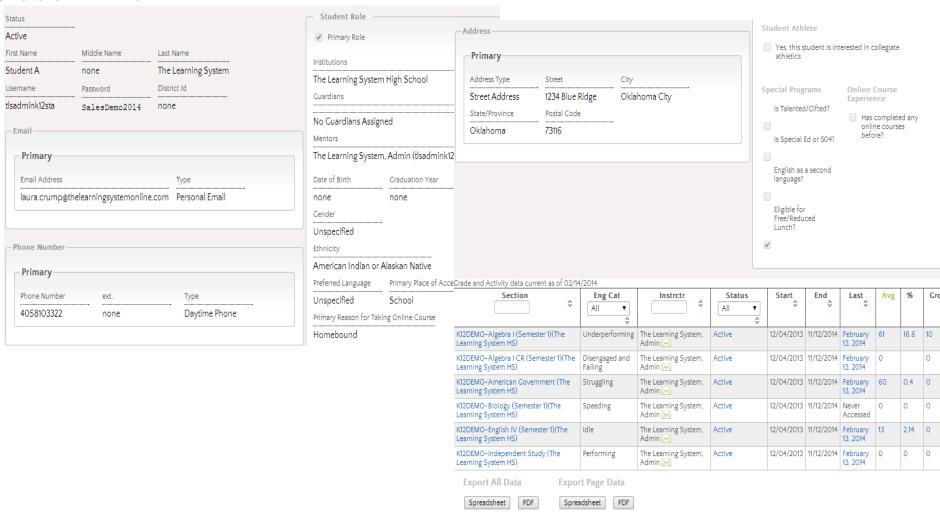


Its highly interactive tools make it easy to search, sort, and export reports and the student enrollment wizard simplifies the enrollment process.



View The Learning System, Student A EDIT ENROLL

### **Student Info**

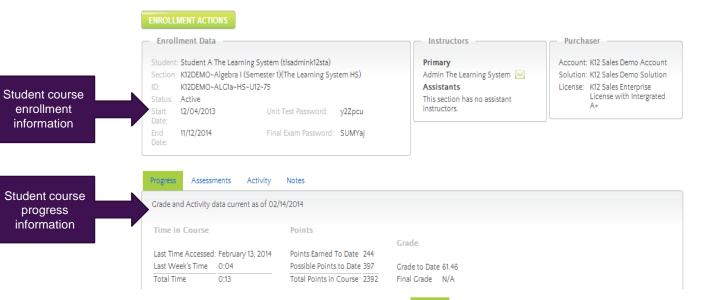






## Reporting Enrollment Details

Active / Underperforming / 16.6% Complete / Grade To Date: 61.46



Progress

**Activity Log** 

Assessments

rent as of 02/14/2014

Student login activiy information

ACTIVITY data current as or 02/14/2014			Filter Start Date 12/04/2013	Filter End Date 02/14/2014 FILTER
Date	Start Time	Stop Time	Duration (Hours:Mins)	Discussion Board Count
Thu, February 13, 2014	23:26:10	23:30:32	0:04	0
Thu, February 13, 2014	23:20:57	23:21:01	0:00	0
Thu, February 13, 2014	23:10:39	23:12:03	0:01	0
Tue, February 11, 2014	09:28:12	09:30:45	0:02	0
Wed, January 22, 2014	11:23:17	11:23:37	0:00	0
Wed, January 22, 2014	06:27:42	06:28:34	0:00	0
Wed, January 22, 2014	06:22:51	06:25:12	0:02	0

RESEND ENROLLMENT E-MAIL

## PEAK<sup>12</sup> the Platform

Student course

enrollment

information

Student course detailed grade information



Active / Underperforming / 16.6% Complete / Grade To Date: 61.46

### **ENROLLMENT ACTIONS**

Enrollment Data

Student: Student A The Learning System (tlsadmink12sta)

Section: K12DEMO-Algebra I (Semester 1)(The Learning System HS)

ID: K12DEMO-ALC1a-HS-U12-75

Status: Active

Start 12/04/2013

Date:

End

11/12/2014

Date:

Instructors

Primary

Admin The Learning System 🖂

Assistants

This section has no assistant

instructors.

Purchaser

Account: K12 Sales Demo Account Solution: K12 Sales Demo Solution

License: K12 Sales Enterprise

License with Intergrated

A+

Progress

Assessments

Activity

Notes

Unit Test Password:

Final Exam Password: SUMYaj

y2Zpcu

Grade data current as of 02/14/2014

Name	Date Submitted	Date Graded	Points	Points Possible	Score %
Absolute Value Equations Quiz					
Adding, Subtracting, and Multiplying Polynomials Quiz					
Algebraic Expressions and Verbal Statements Quiz					
Assignment: Analyzing Decimals, Fractions, and Percents		01/22/2014	35	50	70
Assignment: Applying Order of Operations	01/22/2014	01/22/2014	40	50	80
Assignment: Converting Between Forms					
Assignment: Coordinates and Points					
Assignment: Different Forms of Equations					
Assignment: Distance and Directions					
Assignment: Distributive Property Problem Set					



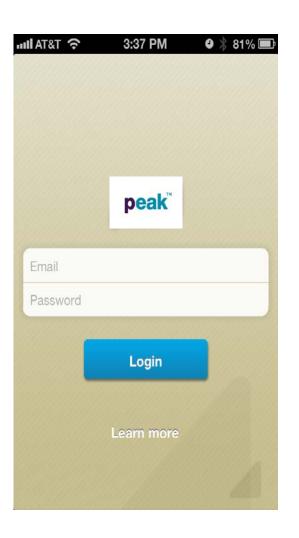
Student Progress Report 5/23/2011 Mentor: DJ Clapp nyaz1@mac.com



Albro, Martha		School: No S	School							donnac@aventalearning.com					
Section Name	Engagement Category	Teacher Name	Teacher Email	Start Date	End Date	Last Access	Last Weeks Time	Total Time	Points to Date	Possible to Date	Grade to Date	Total Points	% Complete	Cumm. Grade	
MT-AZ11-American History A - CREDIT RECOVERY (Section 1)	At Risk- Academically At Risk	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	7/30/2011	5/18/2011	31	235	25.00	40.00	62.50 %	349.00	11.46 %	7.16 %	
Clapp, Betty	<u>.</u>	School: No S	School	o .				*				donr	nac@aventa	learning.com	
Section Name	Engagement Category	Teacher Name	Teacher Email	Start Date	End Date	Last Access	Last Weeks Time	Total Time	Points to Date	Possible to Date	Grade to Date	Total Points	% Complete	Cumm. Grade	
MT-CAA11-Algebra 2A (Section 1)	At Risk- Academically At Risk	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	7/30/2011	5/18/2011	35	123	365.00	588.00	62.07 %	1,658.00	35.46 %	22.01 %	
MT-ZV11-English 2B World Literature and Composition (Section 1)	Passing	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	7/30/2011	12/4/2010	0	65	486.00	615.00	79.02 %	2,786.00	22.07 %	17.44 %	
Meier, Julie	Meier, Julie School: No School donnac@aventalearning.com														
Section Name	Engagement Category	Teacher Name	Teacher Email	Start Date	End Date	Last Access	Last Weeks Time	Total Time	Points to Date	Possible to Date	Grade to Date	Total Points	% Complete	Cumm. Grade	
MT-ZV11-English 4B British Lit and Comp - CREDIT RECOVERY (Section 1)	Academically At	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	7/30/2011	12/4/2010	0	44	147.00	230.00	63.91 %	1,540.00	14.94 %	9.55 %	
		Donna Clapp	donnac@ave	11/1/2010	7/30/2011	12/4/2010	0	21	421.00	475.00	88.63 %	1,949.00	24.37 %	21.60 %	
American Literature and Composition (Section 1)	Passing		ntalearning.c om	6				7	ŕ		Progress Reports are				
MT-ZV11-Digital Photography (Section 1)	Disengaged- Passing	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	8/6/2011	5/18/2011	5	32	573.00	815.00					k to the
MT-ZV11-English 1B Literature and Composition - CREDIT RECOVERY (Section 1)	Passing	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	8/5/2011	1/10/2011	0	59	294.00	350.00	mer	llor a	ana p	arent!	
MT-AZ11-English 2A World Literature and Composition- FOUNDATIONS (Section 1)	At Risk- Passing	Donna Clapp	donnac@ave ntalearning.c om	11/1/2010	7/30/2011	5/18/2011	46	87	243.00	342.00	71.05 %	1,138.00	30.05 %	21.35 %	

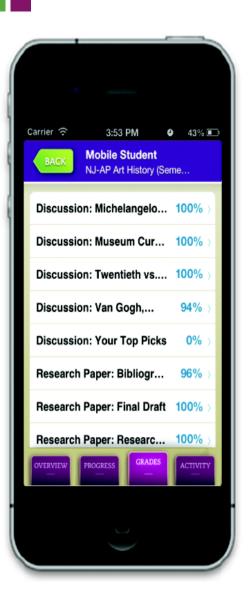
## **PEAK Office Mobile App**





PEAK Office Mobile is compatible with iPhone, iPod touch, and iPad

Teachers, administrators, and mentors can securely monitor student progress, manage student enrollments, and access reports with just a tap of a fingertip!



## **PEAK Office Mobile App**



# The PEAK Office Mobile App gives access to information from an iPhone.

### With PEAK Office Mobile you can:

- See a list of student users
- Search for a student by first name, last name, or username
- Review student details
- Retrieve student enrollment details
- View grade detail for a specific enrollment
- View assessment grades for a specific course
- View details for a specific assessment
- View the list of engagement categories
- View enrollment details for a specific engagement category



## **PEAK Library**

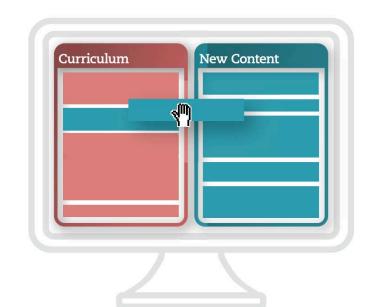


PEAK Library aggregates content from multiple sources in one place and organizes it so it is quickly searchable.

PEAK Library allows teachers to differentiate instruction by:

- Modifying existing courses or building a completely new course
- Customizing courses with additional content
- Integrating
  - Anywhere Learning System (ALS) lessons aligned to key standards, and assessments
  - Open Education Resources, Teacher Authored Content & 3<sup>rd</sup> Party content

Using content from the PEAK Library, teachers can deliver a highly personalized integrated online learning experience that engages students and improves outcomes.









## **PEAK Library**





Teachers can incorporate encyclopedia articles, charts, maps, and more into the curriculum to create lessons and projects, introduce new concepts, and support homework. They can search Britannica School for content based on their state curriculum standards, by topic, and by reading level. Teachers can also access lessons plans, interactive content, games, and videos that reinforce classroom concepts and make learning more fun.



Teachers can engage visual learners with videos from YouTube Education that enrich classroom lessons and make theoretical concepts come alive. YouTube EDU provides access to short lessons from top teachers around the world as well as inspiring videos from global thought leaders. Students can receive a participation grade when watching the YouTube video.

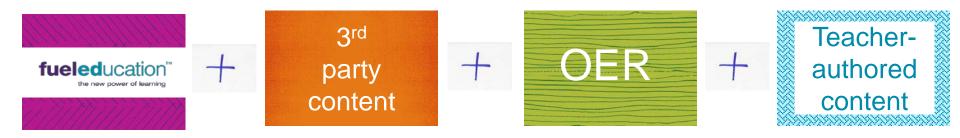


Originally developed to teach math concepts, Khan Academy® has expanded to include mini-lessons comprised of short videos, practice questions, and explorations in science, finance, history, and art. Teachers can assign lessons and exercises from Khan Academy\* to a single student or an entire class.

## Why is content integration important?



- Combining the best options in one platform provides you
  - Great learning options and flexibility
  - Cost options to fit your budget
  - Single point for administration, more consistent experience

















# Thank you!

**Glenda Fleener** 

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www.educators.k12.com

