

Curriculum \& Administrative Solutions

## FuelEd - Propel Students Into the Future

Kansas Department of Education Annual Conference

Glenda Fleener, The Learning System

fueleducation"
the new power of learning

## Discussion

- What do youtenvision learning will look like in 2019?
- How wid/hlended learning/flipped learning be incorporated within Kansas schools by 2019?


## FuelEducation Extensive Catalog of Online Curricula

## fueleducation"



- 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?

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Struggling Students
Advanced Students

Independent Learners
Students in Need of Credit Recovery

Capture Homeschool Students

Course Catalog<br>Expansion

Introduction to Online Learning

Physics
Environmental Science
Forensic Science*

## Social Studies

Geography
World History
American History
American Government*
America
Civics*
Civics*
Contemporary World Issues
Family \& Consumer Science*
Psychology*
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 1 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 II (E)
English III (E)
English IV (E)

## Math

Algebral (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 <br> 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*

## FuelEd Curriculum

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- 170+ self-paced courses for grades 6-12
- Core, AP, World Languages, Electives, Credit Recovery
- 19 AP courses
- 6 Languages
- 42 electives
CollegeBoard
Advanced Placement
Program
- 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 <br> (24 new, 8 shared with K ${ }^{12}$ 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


## 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.
$\square$ Assignment: Essa.
(3) Analyzing Inform...
$\square$ Assignment:Essa..
© Assignment:Gat..
[]. A Skilled Rhetori.
© Assignment: Pers.
(9) Writing with Style
- Assignment Pers..
(5) The Power of the...

Assignment:Pers...
$\square$ Assignment Pers...

Assignment: Essa...
(0) Analyzing Inform...

Assignment:Essa..

Assignment: Pers...
[) Writing with Style
$\square$ Assignment: Pers...
(.) The Power of the...

Assignment: Pers...

- Assignment: Pers...



## The Rock Cycle <br> Explore: The Rock Cycle



* Does not include Social Studies


## FuelEd Curriculum

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## 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


Text Version
By reading it carefully, we can discover not only the man's beliefs, but also what landed him in a Birmingham, Alabama jai

Consider your reading of Mattin Luther King's letter. Can you determine from what King says what his audience believes? You should be able to if you read his letter closely. Complete the activity below to ascertain what assertions King makes about his audience.


## 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


Drag each dependent clause on the left to the correct corresponding phrase on the right.

| Dependent Clause | Independent Clause |
| :--- | :--- |
| Because Becca failed to study |  |
| After the test was completed | she wod no sympathy for her. |
| 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. |

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## 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.



## FuelEd Curriculum

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## 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.



## FuelEd Curriculum

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## 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

In 1917, the Allied forces received a boost with the entry of the United States into the war against
Germany. However, only a few months later Russia left the war and the Germans were left with only one front to concentrate on. In addition to the Eastern and Western Fronts, there were also fronts in the Balkans, Palestine, Italy and at sea. Many of these fronts are illustrated in the
multimedia item below.


## Engaging Curriculum: Multimedia Content Examples

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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.

QUnit Warm-Up


Photosynthesis



## Middlebury Courses within Aventa Catalog

## 1 fueleducation"

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



## All Middlebury Courses

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|  | Grades K-2 MIDDLEBURY | Grades $3-5$ <br> EXPOSURE | Grade 6.8 CO | Grade 9. -1 <br> NCY | Grades 9-12 FLUENCY | Grades 11-12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Spanish | 1 | $1 \& 2$ | 1 \& 2 | I \& \|| | I, II \& III | $A P^{*}$ |
| French |  | 1 \& 2 | $1 \& 2$ | I \& II | I, II \& III | $A P^{*}$ |
| Chinese |  | 1 | $1 \& 2$ | \| \& || | \| \& || |  |
| German |  | 1 \& 2 | $1 \& 2$ | \| \& || |  |  |
| Latin |  | 1 | $1 \& 2$ | I \& \|| |  |  |
|  |  |  |  |  |  |  |

## 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 |
| - Building background knowledge <br> - Connections to self <br> - Preassessment <br> - Vocabulary <br> - Project introduction | - Reading task <br> - Vocabulary task | - Media integration task <br> - Listening and Speaking tasks <br> - Discussion task <br> - Pre-writing tasks | - Sentence Syntax task (Language) <br> - Writing task | - Writing task <br> - Discussion task <br> - Project = Post assessment <br> - *Research task |

## Our Peak Platform

Personalizing Learning \& Transforming the Education Experience

## peak ${ }^{\text {m/ }}$



## fueleducation

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

The front door to your digital learning experience
^anage learning programs, large
peak office ${ }^{\text {mim }}{ }^{\text {or small, all in one place. }}$ Quline Pfogran Marayelmentlool
peak" library
Content Discovery Tool

Personalized, individualized digital learning experiences at your fingertips.

## 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.

## PEAK Office

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View The Learning System, Student A ENI Eiroil

## Student Info




American Indian or Alaskan Native


| Export All Data | Export Page Data |  |
| :--- | :--- | :--- |
| Spreadsheet | PDF | Spreadsheet |

## PEAK Office

## fueleducation

## กan

## Reporting Envoliment teatis

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

## ERROLIMENT ACHIONS



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

## ENROLLMENT ACTIONS

## Student course enrollment <br> information


$\left[\begin{array}{l}\text { Instructors } \\ \text { Primary } \\ \text { Admin The Learning System } \\ \begin{array}{l}\text { Assistants } \\ \text { This section has no assistant } \\ \text { instructors. }\end{array}\end{array} \quad \begin{array}{l}\text { Purchaser } \\ \text { Account: K12 Sales Demo Account } \\ \text { Solution: K12 Sales Demo Solution } \\ \text { License: K12 Sales Enterprise } \\ \text { License with Intergrated } \\ \text { A+ }\end{array}\right]$

Progress Assessments Activity Notes


# Student Progress Report 

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

| Albro, Martha |  | 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 |  | Cumm. Grade |
| MT-AZ11-American History A CREDIT RECOVERY (Section 1) | At Risk- <br> Academically At <br> Risk | Donna Clapp | donnac@ave <br> ntalearning. <br> 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 |  | School: No School |  |  |  |  |  |  |  |  |  | donnac@aventalearning.com |  |  |
| Section Name | Engagement Category | Teacher Name | Teacher Email | Start Date | End Date | $\begin{aligned} & \text { Last } \\ & \text { Access } \end{aligned}$ | Last Weeks Time | Total Time | Points to Date | Possible to Date | Grade to Date | Total Points |  | Cumm. Grade |
| MT-CAA11-Algebra <br> 2A (Section 1) | At Risk- <br> Academically At <br> Risk | Donna Clapp | donnac@ave <br> ntalearning.c <br> 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) | DisengagedPassing | Donna Clapp | donnac@ave <br> ntalearning.s <br> om | 11/1/2010 | 7/30/2011 | 124/2010 | 0 | 65 | 486.00 | 615.00 | 79.02 \% | 2,786.00 | 22.07 \% | 17.44 \% |
| 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 |  | Cumm. |
| MT-ZV11-English 4B British Lit and Comp CREDIT RECOVERY (Section 1) | Disengaged- <br> Academically At Risk | Donna Clapp | donnac@ave <br> ntalearning.c <br> om | 11/1/2010 | 7/30/2011 | 124/2010 | 0 | 44 | 147.00 | 230.00 | 63.91 \% | 1,540.00 | 14.94 \% | 9.55\% |
| MT-ZV11-English 3A American Literature and Composition (Section 1) | DisengagedPassing | Donna Clapp | donnac@ave <br> ntalearning.c <br> om | 11/1/2010 | 7/30/2011 | 124/2010 | 0 | 21 | 421.00 | 475.00 | Pr.63\% | $1,949.00$ gress | 24.37\% | 21.60\% |
| MT-ZV11-Digital Photography (Section 1) | DisengagedPassing | Donna Clapp | donnac@ave <br> ntalearning. <br> om | 11/1/2010 | 8/6/2011 | 5/18/2011 | 5 | 32 | 573.00 | 815.00 | ema men | led | evel <br> nd | we <br> ren |
| MT-ZV11-English 1B Literature and Composition CREDIT RECOVERY (Section 1) | DisengagedPassing | Donna Clapp | donnac@ave ntalearning.c om | 11/1/2010 | 8/5/2011 | 1/10/2011 | 0 | 59 | 294.00 | 350.00 |  |  |  |  |
| MT-AZ11-English 2A World Literature and CompositionFOUNDATIONS (Section 1) | At Risk- Passing | Donna Clapp | donnac@ave <br> ntalearning.c <br> om | 11/1/2010 | 7/30/2011 | 5/18/2011 | 46 |  | 243.00 | 342.00 | 71.05 \% | 1,138.00 | 30.05 \% | 21.35\% |

## PEAK Office Mobile App

## fueleducation



## 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 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 \& $3^{\text {rd }}$ Party content


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


## Britannica School

## YouTuhe

##  <br> KHANACADEMY

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 ${ }^{\circledR}$ 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?

## fueleducation ${ }^{\text {m' }}$

- 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!

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## fueleducation"

the new power of learning

