HIGHLANDS HIGHSCHOOL A NATIONAL BLUE RIBBON SCHOOL OF EXCELLENCE

Our Project-Based Learning Journey

The instructional spark for our school community to try new approaches to teaching and learning.

HIGH SCHOOL

A NATIONAL BLUE RIBBON SCHOOL OF EXCELLENCE

District Highlights



Jason Gay - Media Specialist John Darnell - Principal

FORT THOMAS INDEPENDENT SCHOOLS

Mission

Rich in tradition and focused on the future, the Fort Thomas Independent School District provides engaging and challenging learning experiences which foster creativity, curiosity and innovation, while inspiring all students to pursue lifelong learning and become productive members of the global community.

Vision

- Our students engage in a variety of experiences that foster creativity and curiosity. demonstrating the skills and dispositions needed to solve real-world problems and to become caring and productive members of the global community.
- Our teachers exhibit a student-centered passion for teaching and a deep understanding - 64 of content, utilizing research-based strategies to challenge and meet the needs of all learners
- 4 Our support staff plays a crucial role in student achievement, contributing to all aspects of the educational process.
- Our leadership maintains high expectations, works collaboratively with all stakeholders, focuses on a shared ma growth and achiever

VIBRANT STUDENT

EXPERIENCES

Vibrant Student Experiences

- Our parents participants
- Our communication workforce th
- Our instruct
- career readir
- 4 Our technol student achi
- * Our District

encouraged,



COURAGING

INOVATION

raging Innovation



Collaboration with our Communities

HETIC

ORATOR

RECEIVING

GLOBA

LISTEN

COMMUNICATOR

DEBRIEF REFLECTION

CURIOUS

CRITICAL

THINKER

WONDER

DISCOVERY

REASONING

PERSPECTIVE

OF A GRADUATE

SOLVER

DREAM & DESIGN

DISCOVER

DIVE IN

DELIVER

Our students engage in a variety of experiences that foster creativity and curiosity, demonstrating the skills and dispositions needed to solve real-world problems and to become caring and productive members of the global community.

E

Enco

Eliciting Student Voice with Superintendent Advisory Committee



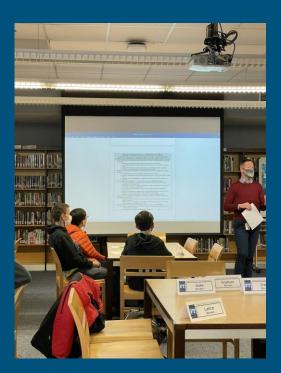
We met with students on these dates:

January 12, 2022

February 16, 2022

March 16, 2022









A description of the need or problem:

We need a unified instructional effort with using Project Based Learning with our student learners.

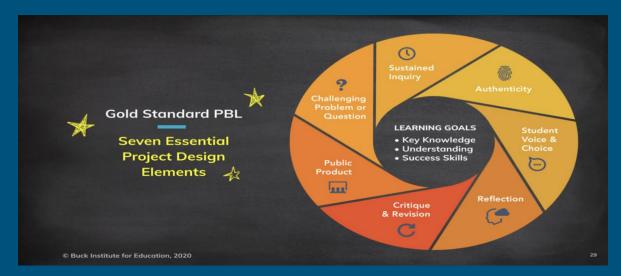
Guiding Questions:

- How can we meet students' learning needs for Project Based Learning opportunities in our high school courses?
- How can we create a teacher cohort, who will in an innovative way implement Project Based Learning across multiple-disciplines?





Project-Based Learning: 1st Trailblazer cohort first to scale statewide gold-standard project-based learning effort through a partnership with PBLWorks.



Connection to Research and Professional Development



I participated in PBL Leadership Professional Development trainings from PBL Works.



PBLWorks Theory of Action



Leaders demonstrate specific knowledge, skills, practices and dispositions, and they put in place specific structures, so that... Key conditions related to vision, culture, capacity-building, and continuous improvement exist for effective implementation of high-quality PBL, so that... Teachers design Gold Standard PBL Units and implement Gold Standard Teaching Practices, so that... All students expe-

projects that meet

rience at least 2

the criteria for

so that ...

high-guality PBL.

Students demonstrate the academic success, success skills, and student empowerment outcomes described in the graduate profile.



Connection to Research and Professional Development

Over 25 peer reviewed articles, books and journal articles.

Student agency for Project Based Learning is emphasized, as not just about making a choice, it is about making a real difference. (French & Larmer, 2020)

While a flexible and comfortable environment is a key factor, our goal is about the pedagogical purpose targeted with student ownership and agency, relationship driven and learner focused capacities. (French & Mahat, 2020)

PBL exhibits gains in learning with student ownership, tools, effective communication skills are activated, student self-analysis of learning, and created student product culmination. (Harada & Yamamoto, 2008)

A PBL project can be authentic in four ways; it meets real need in the world beyond the classroom, focuses on a problem that is relevant to students lives, setups a scenario or simulation that is realistic, and it involves real world tools used by adults in the workplace.(Solis, A., Larmer, J., & Olabuenaga, G.,2017)



Solution: HHS PBL Teacher Leader Cohort

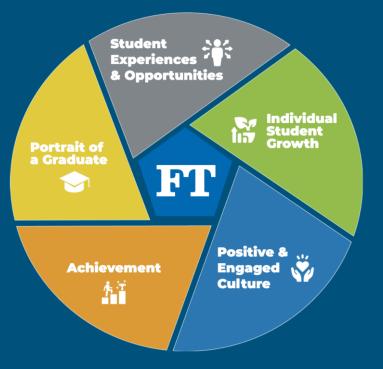
We will have a teacher leader cohort of our teachers successfully teaching one to two PBL units in the 2022-2023 school year.

Why: PBL as an instructional model shows gains in learning with student ownership, tools, strong communication skills are activated, student self-analysis of learning, and created student product culmination. Teacher's roles shift to facilitators or coaches and the parameters of the framework serve as a guide for student learning with continual progress monitoring. We want to build momentum on providing high quality curriculum with these learning experiences.

HHS PBL Teacher Leader Cohort

How is this connected to our work at HHS towards student achievement and district goals.

Alignment: Our <u>2022-2027 FTIS Strategic Plan</u> prioritizes applying PBL as an instructional model across curriculum in Student Achievement, Student Experiences and Opportunities, and Individual Student Growth.



Teacher Cohort Responsibilities

Cohort Timeline and Responsibilities:

- Meeting monthly with expanded opportunities to showcase your classroom.
- Learning in a cross-curricular teacher team and working together.
- High quality professional development opportunities regional and national.
- Try new approaches to student learning.
- Improve your student engagement and deeper learning strategies
- This is year long commitment.
- Bring your enthusiasm and willingness to learn



Expected outcomes for Teacher Cohort Members

1. They have fun

- The professional learning in a cross-curricular and creates core movement.
- Receive high quality professional development opportunities regional and national.
- 4. Try new approaches to student learning
- 5. Improve your student engagement and deeper learning strategies
- 6. Bring your enthusiasm and willingness to learn







Election 2020	News 🕶	Library 🔻	Text Sets 🕶	Collections *	Binder -	🌣 Kelly Booth 🕶	C Educator Center
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Reading Skills Check	
Grade 2	
Grade 3	•
Grade 4	÷
Grade 5	-
Grade 6	•
Grade 7	

Η

Reading Skills Check

Reading Skills Checks are sets of nine articles leveled to specific grade levels.

To get started, teachers should assign students to read at least **three** articles from their grade level and complete **all** of the quiz questions associated with each, then let our system do the work!

These articles are specially designed to help our algorithms get started faster in assigning the best reading level for each student.

See Less



TEXT SET

What Issues are Worth Fighting For?

12 Articles

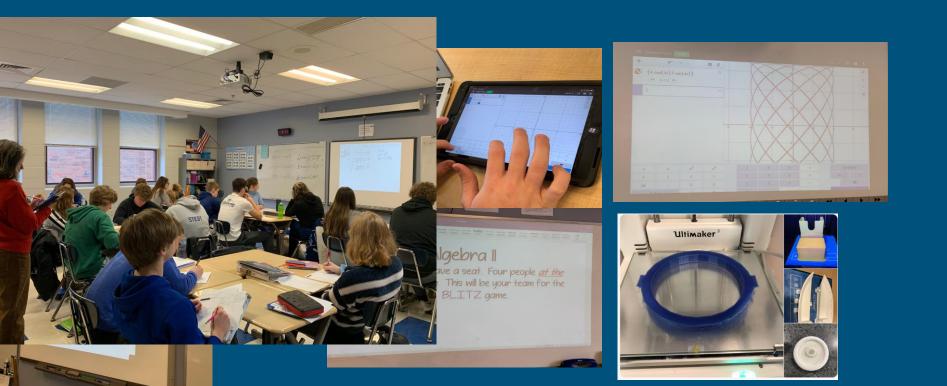


TEXT SET

How Has the Role of the Pope Changed and/or Stayed the Same?

4 Articles

Mathematics and Computer Science



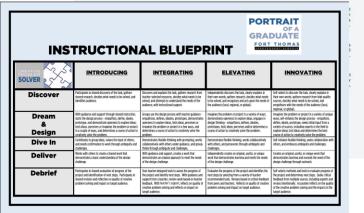


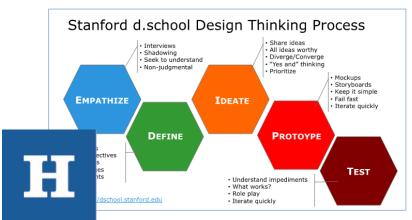
Printed objects can be incredibly

intricate. They can also be created

with working components, hinges,

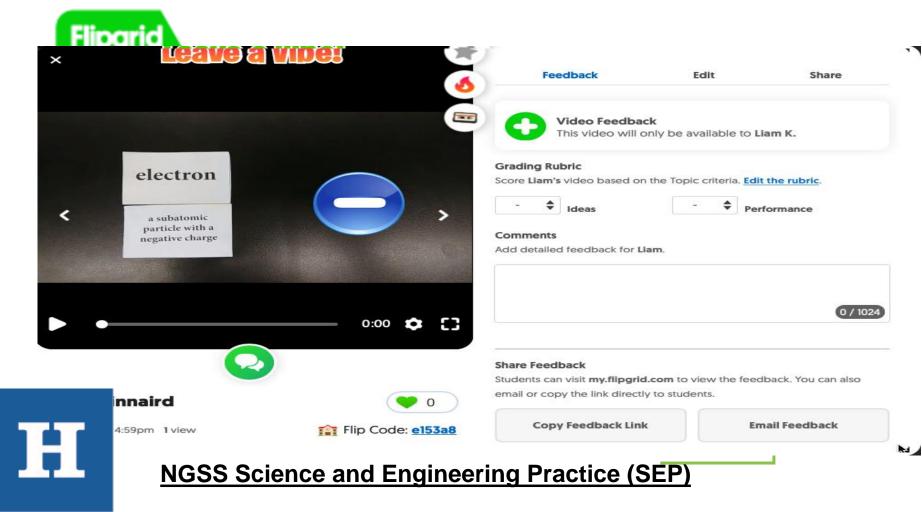
and parts within parts.



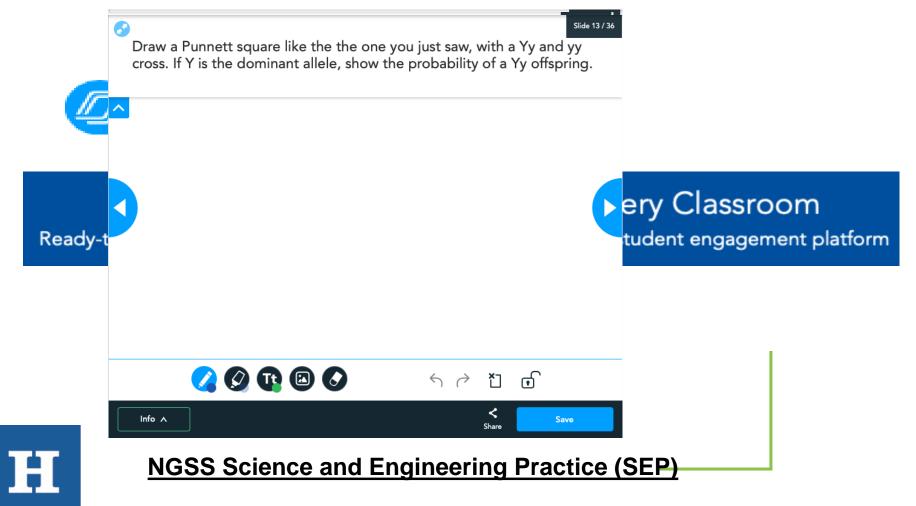








Constructing Explanations and Designing Solutions



Constructing Explanations and Designing Solutions



BACKGROUND INFORMATION

the 4 major categories of organic macromolecules are Lipids (fats), Carbohydrates (sugars), Nucleic Acid (DNA&RNA), and Proteins.

Lipids

estrogen

Nucleic Acid

· Lipids are created by Carbon,

cell membrane, cholesterol

testosterone and woman is

Nucleic Acid is created by

hormones which for males is

they are used for energy storage,

· found in oil, butter, and animal fat

Hydrogen, and Oxygen.

Carbohydrates

- Carbs are created by Carbon, Hydrogen, and Oxygen.
- quick energy to organisms
 animals use it as energy
- storage (glycogen) plants use it as an energy
- plants use it as an energy source (starch)

Proteins

- Proteins are created by Carbon, Hydrogen, Oxygen, and Nitrogen.
- maid set analysic identification of the set of the

	MY lipids	FAVORI1 proteins		D S nucleic acid
	0g	0g	0g	0g
85 5 50	0.6g	2.9g	14g	0g
	28g	7g	32g	0g
7%.	0.8g	0.2g	15g	0g



2,000 calorie diet



Alternative Diet

17

Keto Diet what you should eat scafood, cottage cheeses, soda, pastries, and white bread. cheese in general, yogurt, cheese in general, yogurt, soda, pastries, and white bread.

 voccados, meat and poultry, ind eggs.

 Lipids
 Proteins
 Carbohydrates
 Nucleic Acid

 normal 2,000 calorie diet
 111-167g
 50g
 225-325g
 0g

 Keto diet
 111-167g
 0.7-0.9g presed a wages
 15-30g
 0g

effect on your body:

It's a result of the body adapting to the low-carb state. Lowering carb intake forces the body to burn hetones for energy instead of glucose. Once the body is in ketosis, burning fat instead of glucose, the keto diet is working, keto helps you lose weight but the only bad thing is that you cannot take a "break" or "cheat" on your diet or you will gain all your weight that you have lost back, fast.

my opinion:

Based off of the research i have done i would recommend the keto diet, a lot of people don't like to diet just because they don't like the food or the meals but the keto diet has a vide variety of foods you can eat. Also proponents say it causes substantial weight loss and can help those with Type 2 diabetes dramatically improve their blood sugar levels, which fall when people avoid carbs.

H

NGSS Science and Engineering Practice (SEP)

Obtaining, Evaluation, and Communicating Information Constructing Explanations and Designing Solutions

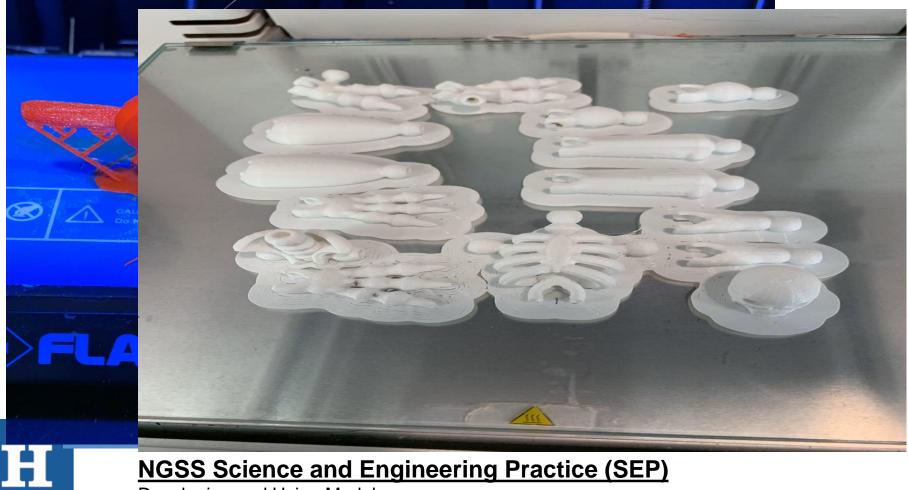






NGSS Science and Engineering Practice (SEP)

Developing and Using Models Constructing Explanations and Designing Solutions Obtaining, Evaluating, and Communicating Information



NGSS Science and Engineering Practice (SEP)

Developing and Using Models Obtaining, Evaluating, and Communicating Information



Family & Consumer Sciences

Fashion & Interior Design Career Pathway



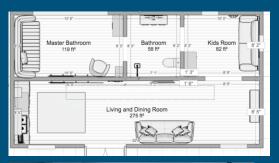




MASTER DESIGN ONE STEP AT A TIME











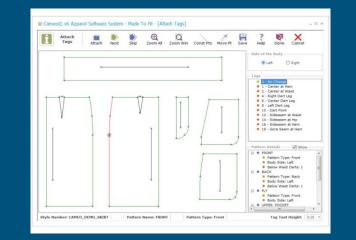




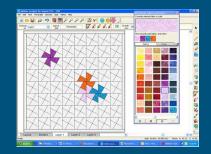


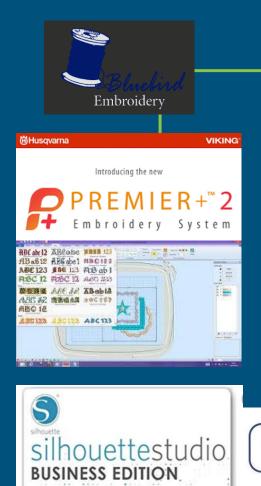
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Bluebird Embroidery - Student Run Enterprise



PBL Cohort Current and Future Implications

- 1. Digging into PBL resources
- 2. They have committed to an Instructional Unit using PBL Project Planner and Resources
- 3. Cross-observations are happening
- 4. Check-ins and Walkthroughs end of this month November
- 5. Connecting in Collaborative meeting in December, cont.
- 6. We are looking to do a showcase for KY ILN in June 2023



Findings from this Project

 Students desire more voice and choice in their learning
 Teachers and students are receptive to this instructional shift
 PBL is reliable and research proven instructional model for this need
 Cultural shifts are needed and continuous improvement to make lasting changes in our school



Next Steps Ahead

- 1. This instructional shift gains momentum
- 2. We broaden this instructional model to include more teachers and classes.
- 3. We host a PBL showcase for community and families
- 4. We continue to explore possibilities for innovative instructional opportunities





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Session B: Rotation 2 (10:25 - 10:55 AM)

Imagine If You Will...Student Agency in Action

Corbin Independent Schools

Session B: Rotation 3 (11:05 - 11:35 AM)

Digital Portfolios & Performance Tasks

Boone County Schools Floyd County Schools Johnson County Schools

Local Laboratories of Learning

L3 Cohort Floyd County Schools







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My name is Victoria "Grace" Simpson. I an currently a senior at Prestonsburg High School where I have attended my entire school carver and will be graduating from in June of 2022. I an also apart of the Floyd County Early College Program. This program has given me the opportunity to attend Big Sandy Community and Technical College for 2 years. So. in May of 2022 I will graduate from Big Sandy with an Associates of Science degree. Upon graduation I will begin nursing school. I have been accepted into Big Sandy's nursing program and if all goes well I should be a registered nurse within 3 years and I house.

Digital Portfolio:

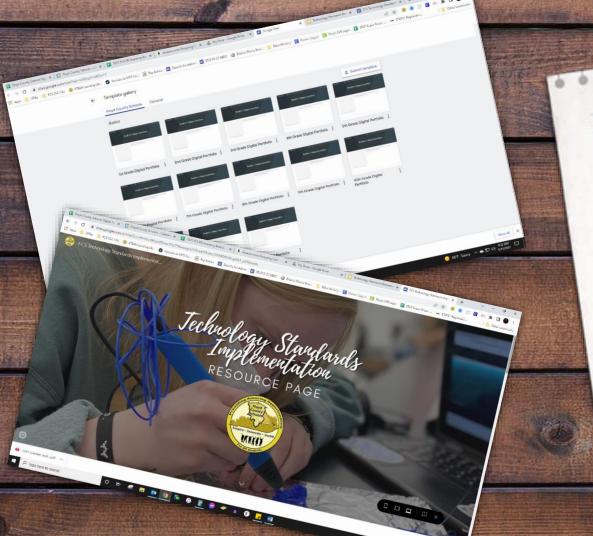
Process: • Understanding the Standards

Awards/ Sch

- (Teacher and Student)
- Understanding the Evidence Collection Tool
 - Curating and Presenting
 - the Product



Digital Portfolio: Understanding the Standards (Student and Teacher) Recognition Days: Students and Teachers work towards 0 recognizing the standards inside and out of the classroom.

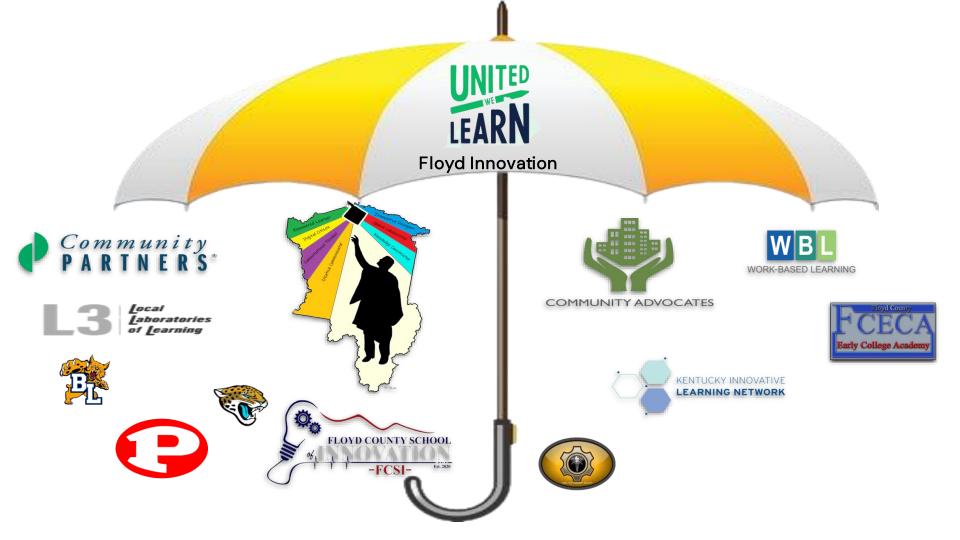


Digital Portfolio: Understanding the Evidence Collection Tool How to begin and jump start their Digital Portfolio with district created Google Site templates. How to use basic tools within Google Sites through our • Technology Standards Implementation Resource Page.



Digital Portfolio: Curating and Presenting the Product DLCs provided training for students and teachers. Students are provide opportunities through the • week to curate and update School level leads (typically portfolios. all Language arts teachers) are responsible for mid-year and end-of-year checks.





Portrait of a Learner

Empowered Learner (EL) Competency:

Students use technology to take an active role in their learning

Digital Citizen (DC) Competency:

Students manage their digital identity in a safe, positive, and proactive way.

Computational Thinker (CT) Competency:

Students understand sequences and use them to develop solutions to problems.

Creative Communicator (CC) Competency:

Students communicate clearly and express themselves with a variety of digital tools.

Innovative Designer (ID) Competency:

Students use a variety of technologies to design and create.

Global Collaborator (GC) Competency:

Students use digital tools to connect with learners inside and outside of their classroom.

Knowledge Constructor (KC) Competency:

Students use various digital tools to find information and make meaning.



Community Partnerships

Work-Based Learning Infographics

Partnerships for Work-Based Learning 2022-23

Partner Application for WBL

<u>Types of Work Based Learning</u> Service Learning Mentoring Job Shadowing School-Based Enterprises Internship Entrepreneurship Co-op



Floyd County Schools Individual Learning Plan



Welcome to Floyd County Schools Individual Learning Plan Hub. An Individual Learning Plan is a comprehensive way for advising students to engage in coursework and activities that will best prepare them to both realize college and career success and become contributing members of their communities. The Floyd County School district strives to meet our student's future through the Individual Learning Plan process.



L3 Meeting Links

Oct. 13th, 2022



Nov. 3rd, 2022

Floyd County Schools L3 Site



Contact Information

Anna Shepherd Superintendent of Floyd County Schools <u>Anna.Shepherd@floyd.kyschools.us</u>

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Christina Crase Floyd County School of Innovation Administrator Christina.Crase@floyd.kyschools.us

Mike Bell Digital Learning Coach <u>Mike.Bell@floyd.kyschools.us</u>

Kelsey Tackett Digital Learning Coach Kelsey.Tackett@floyd.kyschools.us Floyd County Schools KUWL Presentation Link



Johnson Co. Schools



L3--SOAR Success-Opportunities-Accomplishments-Relationships

Success-Opportunity-Accomplishment-Relationships

SOAR takes a more individualized and wholistic approach to showcase each student and their learning.

Success-

Students, K-12 will eventually showcase their individual growth and success within a Google Site.

Currently, grade 12 will complete their individual site and conduct Defense of Learning interviews in the spring.







SOAR District Google Site Template

Elementary Digital Portfolio

12th Grade Expectation of Mastery

JCHS Google Site

JCHS Student's SOAR

FEEDBACK has been one of the main

concepts that has guided our planning and development of the SOAR Initiative.

- Voice from students, staff, & community has been a big driving force.
- Collaboration with all groups has been ongoing and feedback has been gathered in many different avenues.
- Students voiced:
 - Needing a pathway to take charge of their learning
 - Needing their interests and needs heard
 - Needing a more individualized way to assess growth.

Boone County Schools

L3--PoG/Strategic Planning



Exit Interview

Ballyshannon Middle School

7thgrade/home

Leader in Me Student Led Conference https://sites.google.com/stu.boone.kyschools.us/elliotteklausing-

https://drive.google.com/file/d/1ovyHUCBXMlO_5_AR2png_5Kj53OyGpHq/v

<u>iew</u>

Longbranch Elementary School

Leader in Me

Our problem:

The school community aspires to provide access to opportunities for all students to authentically demonstrate their understanding of academic content, as well as unique skills and competencies needed to be successful in a changing world, but our current accountability model does not support this type of assessment, because of this there are students who never have the opportunity to fully demonstrate their learning.

How Might We....

How might we create a fiscally responsible, timely accountability model so that all students can use their unique skills to demonstrate learning progress and growth.