



CAS / Montville HS

11/17/2021

Our Participants



Liz Radday



Matt Mervis



Kelly Brooks



Hollyann Moriarty

Our Agenda

- Welcome & Intros
- About Skills21 + PIP
- How the Montville Model Works
 - Credit Recovery
 - PIP Based Courses
- Students on Their Projects
- Middle School Designs and Exemplars
- Questions and Takeaways



About Skills21 at EdAdvance

- 20 Year Program at EdAdvance
- NSF Supported Research
- Academy Culminating in Capstone
- Pre-COVID Expo Model
- Pandemic Pivot



PIP in a WIDE Range of Settings

- Montville HS - Course of Study
- ACA - Alternative HS
- Mass DYS - Juvenile Justice
- CHMS Naugatuck - Integrated Academic
- Marvelwood High School - Independent School
- South Windsor - 6th Grade Enrichment
- Pomperaug HS - CTE
- Woodbury Middle - STEM PBL Class
- Sherman - Music
- Kaynor Tech - Information Technology
- Oliver Wolcott - Mechanical Design
- ESUMS - Middle School Technology
- ACES at Chase - LEAP (Learn, Explore, Achieve, Prepare)
- Torrington Middle School - What I Need

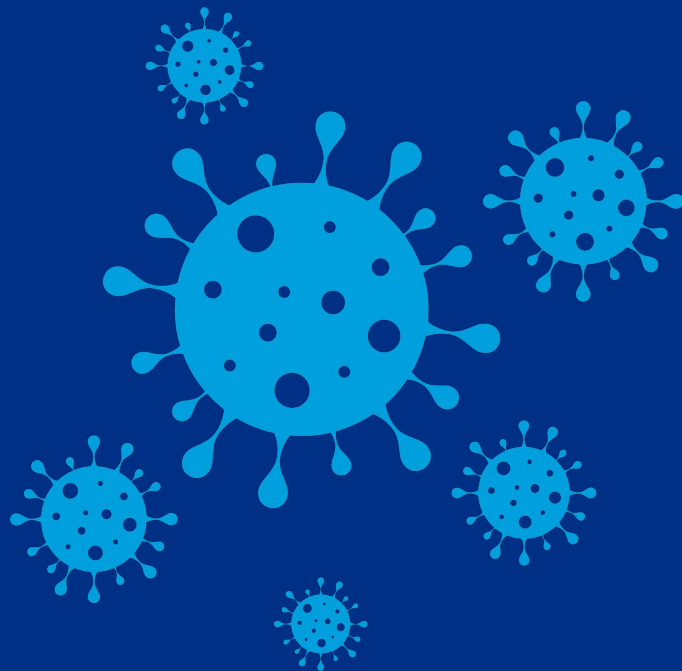


Capstone and the 2023 Graduation Requirement

- Waterford - 1 semester course for juniors
- Hamden - Civics course and Advisory
- Torrington - Habits of Mind (9th grade) and Advisory
- Region 1 - 2 semester course (spring junior/fall senior year)
- Wamogo - 1 semester freshman/1 semester junior year
- Litchfield - 2 semester course (spring junior/fall senior year)
- Oxford - 1 semester course junior year
- Norwalk - Junior year seminar and advisory
- Valor HS (Denver) - Full year course for seniors

PIP ORIGIN

- Spring 2020
- Adapted from Capstone Curriculum
- 3 Phases, 12 Tasks, 20 Videos
- Learn, Solve, Make, Do
- Aligned to Critical Skills
- Used in a Range of Settings



Core PIP ACTIVITIES

Discover

1. Find My Passions
2. Learn, Solve, Make, Do
3. Pick a Project
4. Project Proposal

1



Create

1. Tick Tock
2. Investigate
3. Ready, Set, Pitch
4. Blog All About It

2



Share

1. Who Are You?
2. Lights, Camera, Action
3. Final Pitch
4. How'd It Go?

3

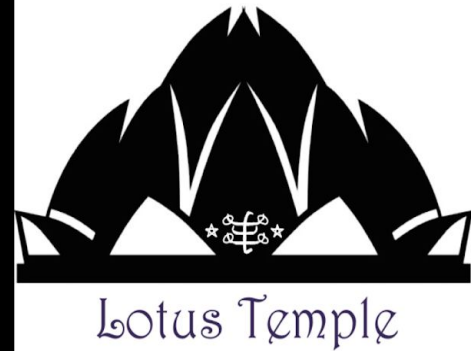
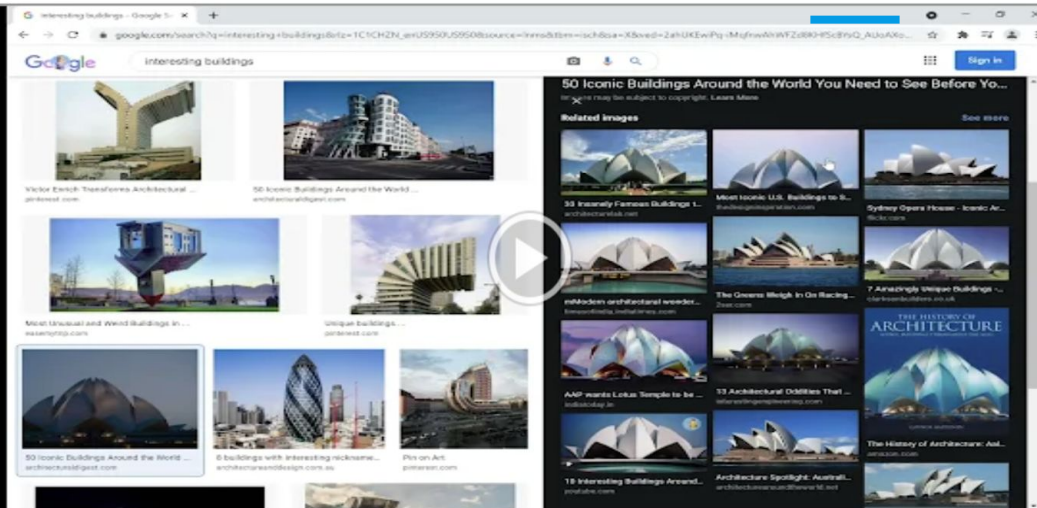
Montville Year 1 Credit Recovery

- Implemented Spring Term 2021
- Focused on disengaged remote learners
- Absentee rate went from 17% to 5%
- 13 student participants; team of faculty
- Over half earned 3.5 credits; 11 out of 13 earned at least 1 credit.
- Several students elected to enroll in new credit bearing PIP Courses
this year

[Project Overview](#)[Collaboration](#)[About Me](#)

Project Overview

Going into this i knew i wanted to learn about the different types of superchargers, and i did accomplish that goal. Along this process, i also learned what it takes to engineer such a device. I put everything i know about the topic to use, designed my own supercharger, and now id like to take this project into the real world.



Project Overview

Collaboration

About Me

Project Overview

I wanted to sculpt an interesting looking building, and I decided to go with the Lotus Temple in Delhi, India. I learned different ways to create texture for things in the environment such as trees and water. I was able to include some math by figuring out the dimensions for the scale model.

[ABOUT](#)[DISCOVER](#)[CREATE](#)[SHARE](#)[POSTS](#)

ART IN AFRICAN AMERICAN CULTURE

Myra Dean, PIP 2021

[Project Overview](#)[Collaboration](#)[About Me](#)

Project Overview

For my project I wanted to learn and educate myself on African American culture, specifically art in my culture. I also wanted to teach myself more about art styles, and even recreate African American art in my own way as I learn and navigate the ins and outs of digital art. Within this project I accomplished everything I planned to, I now know more about my culture and art within my culture. I also learned new things about procreate, the program I use for digital art. I learned



Project Overview

Collaboration

About Me

Project Overview

I researched sleep paralysis, night terrors, and nightmares to learn more about them and get a better understanding of them. I do struggle with all three of those and they do take over my life a lot because they make it very hard for me to get a good night's sleep. During this project I learned new ways to get through these struggles and be able to get a good night's sleep. I learned that I'm not the only person that it happens to. I did feel like I was and during this whole project I learned I'm not alone. There are many ways I can help myself and others if they are struggling with those things as well.

The 2021-22 Course of Study Model

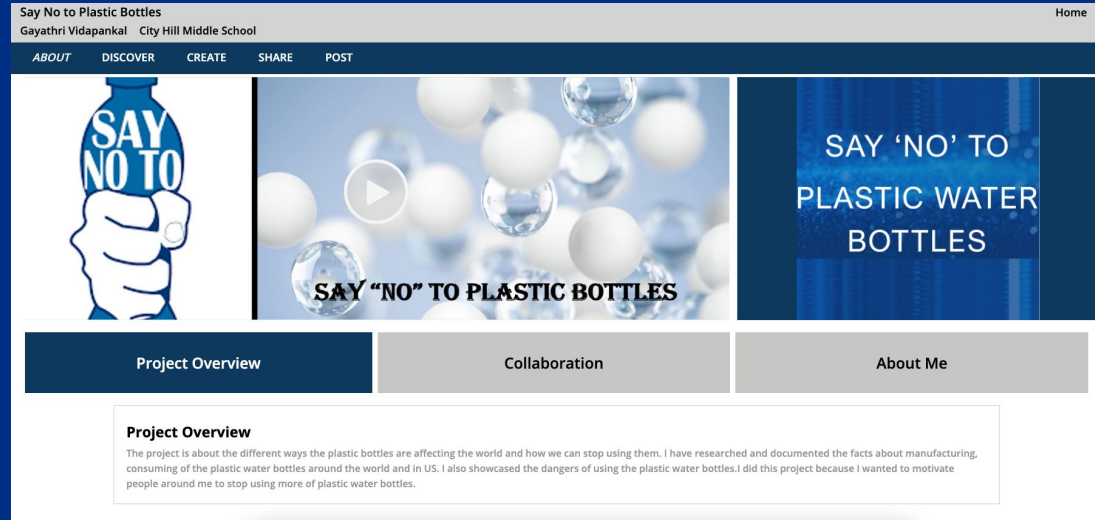
- Who is participating?
- What does a typical class look like?
- How are projects aligned to STEM, Humanities and Electives course outcomes for credit?
- Top suggestions for other schools that want to explore PIP for credit

Student Perspective

- Project overview and how it's going.
- How is PIP different from other classes?
- What excites you about your PIP and what is challenging?
- How might your project influence your interests during and after HS?

PIP in the Middle School

- WINN - What I Need Now
- X-Block, STEM, Library
Media, Tech
- Integrated Academic
- Enrichment



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Project Overview

For my project, I wanted to focus on something that would be beneficial to me physically and mentally during this quarantine. Considering the facts that getting outside makes me happy and that physical activity is good for you, I tried to think of things that would be getting me outside. My mind landed on skateboarding, and with the OK from my parents, the project was soon official. So, for my Personal Interest Project, I will be assembling, personalizing, and learning how to ride a skateboard. I'm really looking forward to sharing this with everyone, so I hope you enjoy. :)

[ABOUT](#)[DISCOVER](#)[CREATE](#)[SHARE](#)[POST](#)

SAY 'NO' TO
PLASTIC WATER
BOTTLES

[Project Overview](#)[Collaboration](#)[About Me](#)

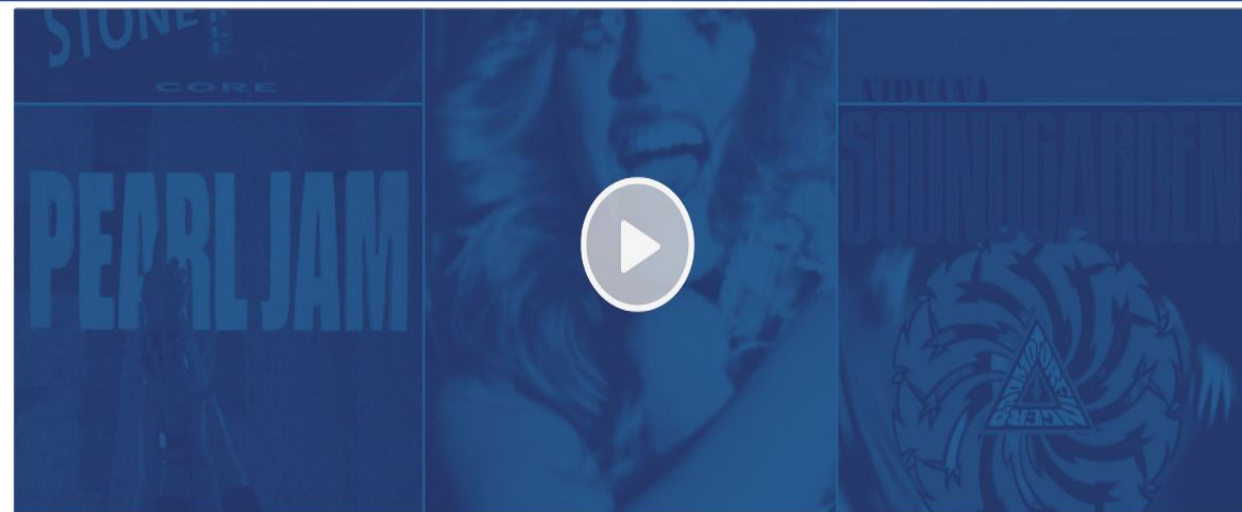
Project Overview

The project is about the different ways the plastic bottles are affecting the world and how we can stop using them. I have researched and documented the facts about manufacturing, consuming of the plastic water bottles around the world and in US. I also showcased the dangers of using the plastic water bottles. I did this project because I wanted to motivate people around me to stop using more of plastic water bottles.

[Project Overview](#)[Collaboration](#)[About Me](#)

Project Overview

My project is called Good news with Gracie. I am making a talk show were I share good news stories from around the world. I am also going interview a front line worker or someone who has helped spread good news in the community. By the end of this project, I hope to have a series of episodes tracking the stories I've shared and people I've interviewed. I think I chose this project because it helps other people besides myself. Sharing kindness and good, always make people happy. I want my project to inspire and change mindsets of people around me. Yeah, right now we are all dealing with a lot. Some of us and locked inside having to quarantine, others are in the hospital testing positive for COVID-19. I want this to bright peoples day.

[ABOUT](#)[DISCOVER](#)[CREATE](#)[SHARE](#)[POST](#)[Project Overview](#)[Collaboration](#)[About Me](#)

Project Overview

I set out to learn two things. One, how to write and edit a review. Two, how to build a website. I combined these two goals with my passion for music to create Backwater Reviews. A music reviews website that covers all of my favorite 90's bands. It would allow me to learn how to write well, and write in a review format. I would get to build that website and post the reviews there. And along the way, I would get to work with my favorite music, and get to listen to new music as well.

The PIP Platform

Welcome, Elizabeth Radday!



PERSONAL INTEREST PROJECT (PIP)

DISCOVER

CREATE

SHARE

Overview

A Personal Interest Project is an opportunity for you to explore your interests and learn something new. You will choose a topic and decide how you are going to demonstrate your learning by moving through a series of activities. Your final project can take on a wide range of formats and there is no limit to what you can do!

PIP Overview

pip
Overview

Discover

In the first phase, you will explore your interests and brainstorm ideas for your project. At the end of this phase you will narrow down to one project choice and write a formal proposal with a topic and final product in mind.

Discover Overview

pip
Discover

[See Activities](#)

Create

During this next phase, you are doing your project. You may be working independently to learn new information and apply it to your project. During this phase you may decide to get some expert advice. Throughout this phase you will document your process in a Blog with pictures, videos and text.

Create Overview

pip

The PIP Academic “Foundation”

FIND MY PASSIONS

Awareness of Personal
Traits
(SEL)

Creative Communicator
(ISTE)

***Communication
About Yourself***

LEARN, SOLVE, MAKE, DO

Build knowledge by
identifying real world
problems and
identifying possible
solutions (ISTE)

Creativity

PICK A PROJECT

Use effective decision
making skills
(SEL)

Ask questions and
define problems
(NGSS Practice)

Decision Making

PROJECT PROPOSAL

Students know and use
deliberate design
process for generating
ideas, testing theories,
creating innovative
artifacts or solving
authentic problems
(ISTE)

Planning

The PIP Academic “Foundation”

INVESTIGATE!

Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.
(ELA/SS)

Research

TICK TOCK

Student can set and achieve goals
(SEL)

***Time Management
Plan***

READY, SET, PITCH

Present information, findings, and supporting evidence are appropriate to task, purpose, and audience
(ELA)

Communicate

BLOG ALL ABOUT IT

Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others
(ELA)

Digital Media

The PIP Academic “Foundation”

WHO ARE YOU?

Communicate clearly,
effectively, and with
reason
(CTE)

Reflection

LIGHTS, CAMERA, ACTION!

Students communicate
clearly and express
themselves creatively
for a variety of
purposes using the
platforms, tools, styles,
formats and digital
media appropriate to
their goals.
(ISTE)

Technology/Video

FINAL PITCH

Adapt speech to a
variety of contexts and
tasks, demonstrating
command of formal
English when indicated
or appropriate
(ELA)

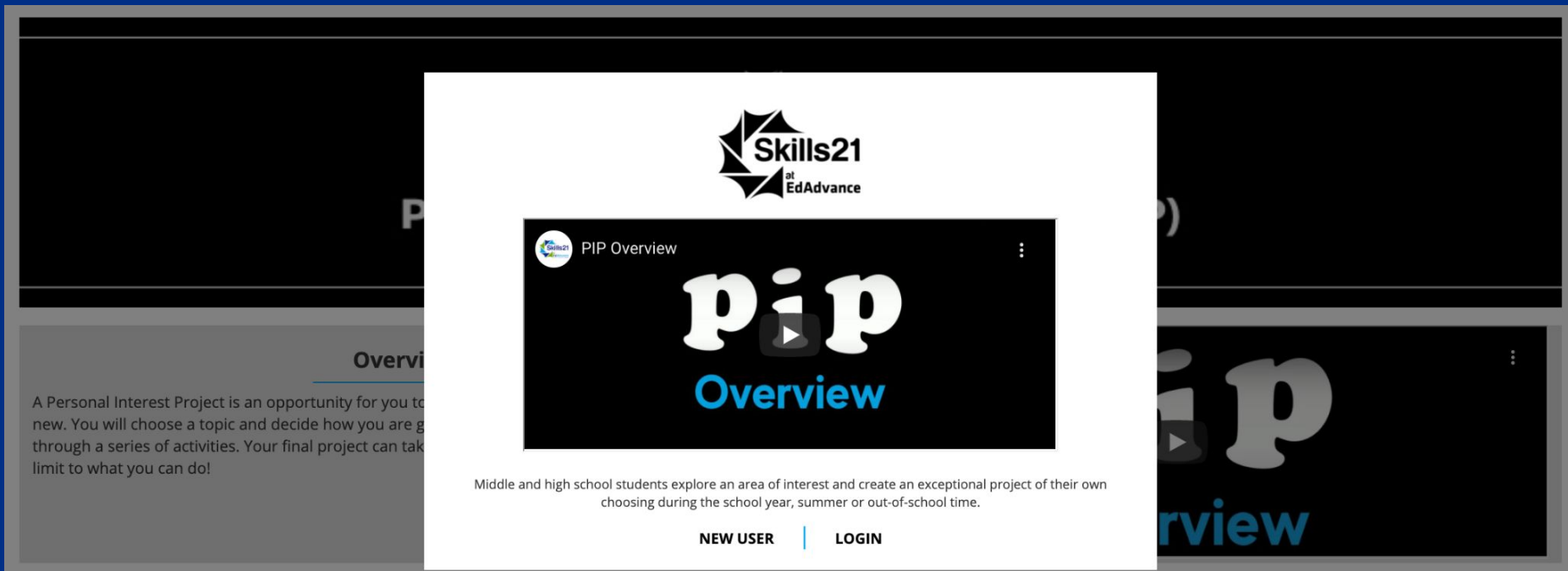
*Communication &
Reflection*

HOW'D IT GO?

Students articulate and
set goals, develop
strategies leveraging
technology to achieve
them and reflect on the
learning process itself
to improve learning
outcomes
(ISTE)

Reflection

Login and Check it Out - pip.skills21.org



The screenshot shows a web page for Skills21 at EdAdvance. At the top, the Skills21 logo is displayed. Below it is a video player titled "PIP Overview" with a play button in the center. The video player shows the text "pip Overview" in a stylized font. Below the video player, there is a paragraph of text describing the PIP program. At the bottom, there are two buttons: "NEW USER" and "LOGIN".

Skills21
at EdAdvance

PIP Overview

pip
Overview

A Personal Interest Project is an opportunity for you to explore a new topic and decide how you are going to learn through a series of activities. Your final project can take the form of a presentation, a video, a website, or a project that is limited to what you can do!

Middle and high school students explore an area of interest and create an exceptional project of their own choosing during the school year, summer or out-of-school time.

[NEW USER](#) | [LOGIN](#)

QUESTIONS?

