

Personal Interest Projects for Career and Post-Secondary Success

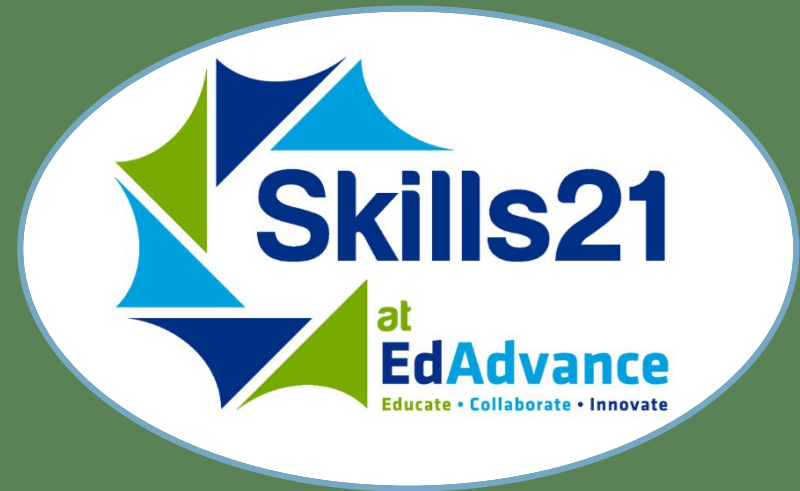
5.5.23

CT Learns and Works



Our Agenda

- Welcome & Intros
- About Skills21 + PIP
- How the PIP Model Works
- Students & Their Projects
- ChatGPT Can't Do This!
- Tips for PIPs
- PIP Stipended Opportunity
- Questions and Takeaways



About You?

Comprehensive District

CTTECH

Labor / Workforce Development

Other

About Me



Matt Mervis

- Director Skills21 at EdAdvance
- 3+ Decades in Many Roles
- EdTech Product and Innovation
- CTE History and Throughline

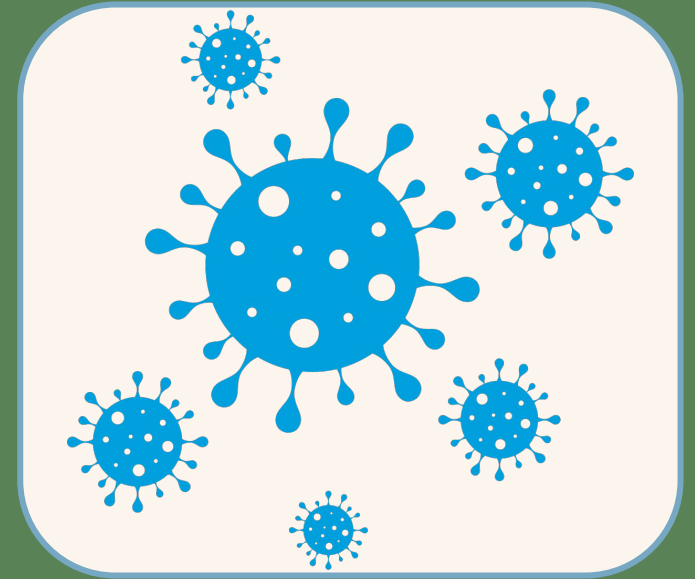
About Skills21 at EdAdvance

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



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



PIP in a WIDE Range of Settings

- Upper Elementary Enrichment
- Middle School STEM
- Middle School Capstone
- High School Credit Recovery
- High School Embedded
- Alternative High School
- Juvenile Justice
- Workforce Development



CREATE



DISCOVER



SHARE

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



School PIP Examples



Typical School Models

Kaynor Tech and Eli Whitney

- Started during 2021-2022 school year
- Fulfills Capstone Requirement
- ½ Year Effort
- Students Select from Industry Topics / Trades

Integrated Model

- Part of a traditional course or elective
- 6-8 week projects (though some last all term)
- Connect to content or skills of the course

Healthcare

[ABOUT](#) [PERSONAL EXPLORATION](#) [PROJECT IDEATION](#) [PROJECT DEVELOPMENT](#) [PROJECT EXHIBITION](#) [BLOG](#)

ALZHEIMER'S
AWARENESS

SAVE THE MEMORIES

Project Overview About Me Final Project

Project Overview

My LIFE project, "Save the Memories," involved creating many different t-shirt designs and ultimately selling them online through a Custom Ink Fundraising page in order to raise money for Alzheimer's disease research. I created an in-depth plan from start-to-finish, developing multiple marketing strategies along the way and remained in contact with my school administration, Custom Ink staff, and members of the Alzheimer's Association, both on the federal and state level. I was able to create a flyer that was released in newsletters sent out by my school and the Connecticut Alzheimer's Association chapter, and after creating ten varied designs, I chose a powerful and easy-to-understand design that I entirely illustrated digitally. I went on to print this

1/7

Save the Memory

Partnered with the Alzheimer's Association Connecticut Chapter to raise money for Alzheimer's disease research.

Healthcare

[ABOUT](#)

[PERSONAL EXPLORATION](#)

[PROJECT IDEATION](#)

[PROJECT DEVELOPMENT](#)

[PROJECT EXHIBITION](#)

[BLOG](#)



Project Overview

About Me

Final Project

Project Overview


My capstone project, Baskets for Smiles, consists of the creation of gift baskets for pediatric patients at the Yale New Haven Children's Hospital. Many children are sick, isolated from friends and family and trying their best to be brave through a difficult time. My goal was to bring them joy and something happy to focus on. These baskets were a wonderful surprise for the children and their families, as they lifted their spirits. In turn, it allowed the doctors and nurses to have a better day, being that the baskets put the patients in a better mood. I connected with real patients, and had the opportunity to put a smile on their faces. I also designed an Instagram account for my idea, where I displayed the baskets and steps along the way.

Baskets for Sale


Partnered with the Yale New Haven Children's Hospital to create gift baskets for pediatric patients.

Healthcare

ABOUT PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG



SPORTS ORTHOPEDICS
A CAREER FOR THE FUTURE
A CAPSTONE PROJECT BY EVAN BRIATICO



Project Overview About Me Final Project

Project Overview

This project was much more of a significant undertaking than I realized when I first began ideation back in September of 2022. This project was initially just a research project into what sports orthopedic physicians are, which blossomed into a multi-practice shadowing experience. My goal became to understand what orthopedics was from annotated notes at physical experiences, which are much more effective than online research. I reached out to nearly a few practices in the local area and heard back from three, which I continued to organize throughout the coming months. Each shadowing opportunity brought with it some adversities. Initial contacting was the first difficult step that I encountered. One practice was unreachable

Sports Orthopedics
Partnered with Litchfield County Orthopedic & Spine to learn about the future career path.

3/7

Healthcare

[ABOUT](#) PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG

These are pictures of different techniques used with children



This is a PECs board used with children who are nonverbal.



Project Overview

About Me

Final Project

Project Overview

My Capstone Project is made up of multiple components. The first part of my project is shadowing a speech language pathologist that works with children. Throughout shadowing I have taken notes on the techniques the speech pathologist used with the patients. I have done 15 hours of shadowing. In addition to this I have completed a research component. I have researched different working environments speech pathologists work in and speech pathology with stroke patients. For my final presentation I have created a slide presentation comparing and contrasting stroke patients and children with speech pathology techniques as well as the different working environments. In addition to a slide presentation I have created a pamphlet,

6/7

Speech Language Pathologist Rehabilitation

Partnered with The Speech Pathology Group to learn about the career field.

Healthcare

The screenshot shows a website interface with a dark blue header containing navigation links: **ABOUT**, DISCOVER, CREATE, SHARE, and BLOG. Below the header is a video player with a central play button and a video thumbnail showing a person in a clinical setting. The video player has a black background with the text "Clinical Labs" and "made with Biteable.com" in the corners. To the right of the video player is a logo consisting of a red heart with a white silhouette of a nurse, and the text "FF TRAUMA NURSE" below it. Below the video player and logo is a yellow navigation bar with four buttons: "Project Overview", "Collaboration", "About Me", and "Final Project". Below the navigation bar is a white content area with the heading "Project Overview" and two paragraphs of text. The bottom of the screenshot is a dark blue footer with the text "Trauma Nurse" and "Partnered with The University of Bridgeport Nursing Program to shine light on the field of trauma nurses." The page number "5/7" is visible in the bottom right corner of the footer.

ABOUT DISCOVER CREATE SHARE BLOG

made with Biteable.com

Clinical Labs

FF
TRAUMA NURSE

Project Overview Collaboration About Me Final Project

Project Overview

This project is about shining more light on the work of trauma nurses and helping people understand that there's more to it than just saving lives .

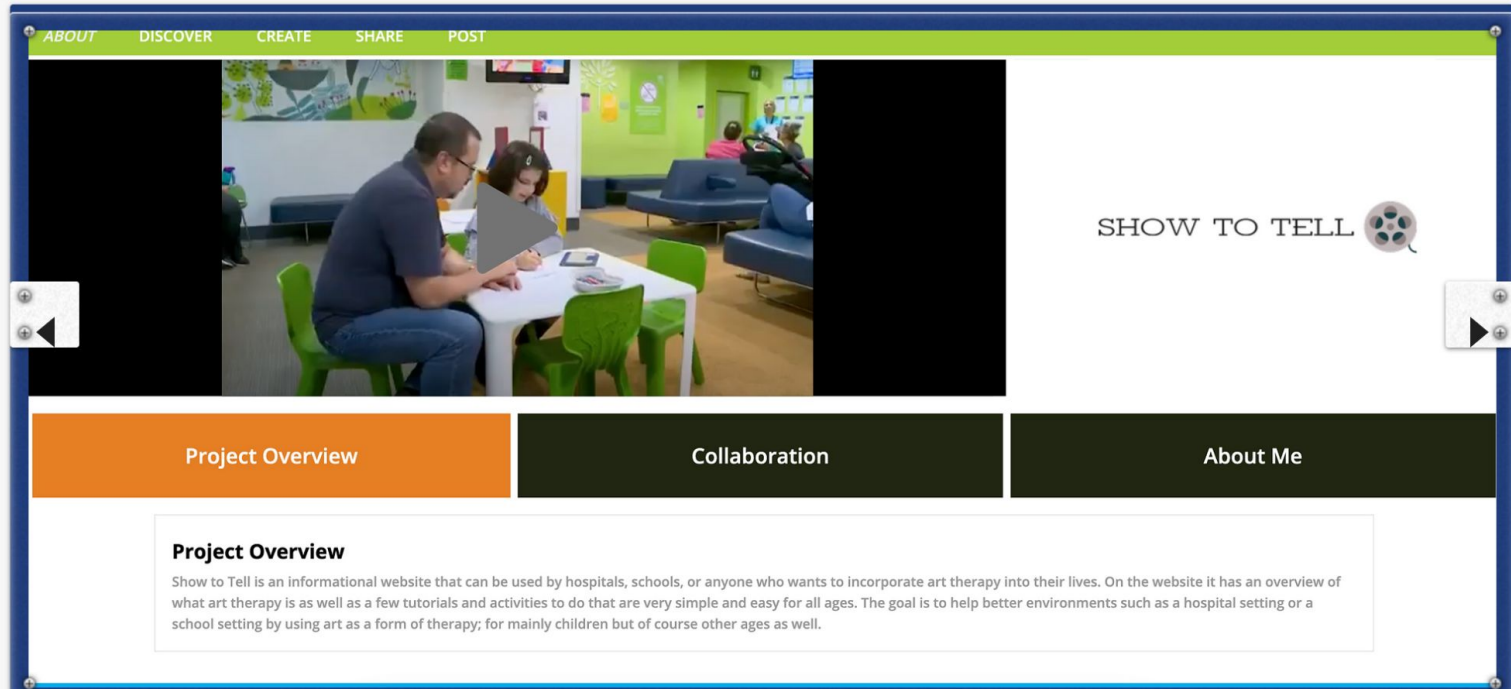
There are many reasons why I chose nursing, such as the ability to take care of someone other than myself, nurses usually have nurturing heart that helps to heal any illness, whether someone is sick physically or emotionally. Most people need tender love and care.

5/7

Trauma Nurse

Partnered with The University of Bridgeport Nursing Program to shine light on the field of trauma nurses.

Healthcare



Show to Tell

Partnered with Saint Marry's Hospital on improving the hospital environment using art as a form of therapy.

Social Work and Community Service

The screenshot shows a website with a blue header containing navigation links: ABOUT, PERSONAL EXPLORATION, PROJECT IDEATION, PROJECT DEVELOPMENT, PROJECT EXHIBITION, and BLOG. The main content area features a large article titled "The 'Benefits Cliff' Discourages People From Making More Money" by PETER COY, dated 10, 2021. The article includes a bar chart on the left and a central image of a person standing on a stack of yellow papers. To the right is a graphic with a city skyline and a camera on a tripod, with the text "still broken" above it. Below the main content is a navigation bar with four colored buttons: Project Overview (orange), Project Inspiration (yellow), About Me (yellow), and Final Project (yellow). The "Project Overview" section is expanded, showing a sub-header "Project Overview" and a paragraph of text. The text reads: "I will make a documentary about benefit cliffs, an issue that low-income families experience, but that is not very well-known. A New Haven non-profit called Christian Community Action, or CCA, has a commitment to 'make a lasting difference in the lives of families and individuals through services that promote independence, increase economic security and stability.' Due to this commitment, benefit cliffs has been a major obstacle in enabling family stability, since many families instantly lose government benefits if they just get one job or one pay raise. This explains the concept of 'one step forward, two steps back.'" I plan to interview faculty and clients of the organization, so that I can shed light on the impactful work they are doing and the

1/7

Still Broken Documentary

Partnered with Christian Community Action to create a documentary on Benefit Cliffs.

Social Work and Community Service

ABOUT DISCOVER CREATE SHARE BLOG

Testing Prototype...



After Prototype



Project Overview Collaboration About Me Final Project

Project Overview

My project end goal is to create washcloths and organic soaps to donate to women's shelters and sell at local businesses. I've always had strong views on gender equality and women's rights. I wanted to find a unique way to support struggling women in my community and then I learned that many shelters are lacking cosmetics. I felt like making soaps and washcloths would be a donation that will help them feel better about themselves and give them the courage to keep going.

Wednesday, April 20, 2022

Cosmetics for a Cause

Partnered with Susan B. Anthony Project to create washcloths and soaps for women in need.

2/7

Social Work and Community Service

The screenshot shows a website with a dark blue header containing a navigation menu with the following items: ABOUT, PERSONAL EXPLORATION, PROJECT IDEATION, PROJECT DEVELOPMENT, PROJECT EXHIBITION, and BLOG. Below the menu is a large image area divided into three sections. The first section on the left is a dark area with a play button icon. The middle section features a painting of two women in a room with a brick wall and a mirror. The right section is a green background with a white line-art logo of a hand holding a globe and the text 'ART FOR A CAUSE'. Below these sections are three light green buttons labeled 'Project Overview', 'About Me', and 'Final Project'. A white box below the 'Project Overview' button contains the following text:

Project Overview

With the initial goal of learning to paint, my capstone project has slowly evolved into a multifaceted learning experience. Over the course of three weeks, I painted an acrylic portrait inspired by the book *The Seven Husbands of Evelyn Hugo*. I focused on not only expressing thematic concepts from the contents of the book, but creating a piece that is culturally respectful to those themes.

Each aspect of my project, from research to painting to selling, brought about unique difficulties and challenged my problem-solving abilities.

Art for a Cause

Partnered with My Sister's Place, inc. to create a painting based on the book *The Seven Husbands of Evelyn Hugo*.

Social Work and Community Service

ABOUT PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG



Project Overview About Me Final Project

Project Overview

For my project I constructed a list of 14 questions for an interview for a social worker within a school district. From this I hoped to get an insight on a social workers significance and a glimpse of a possible future career path. From this project I will be able to demonstrate all attributes of a graduate, and stay an empowered learner especially working with something I have a passion in. I also am a strong advocate for mental health awareness from my own struggles in my past. Being a strong mental health Advocate, I took what I learned from this project and made a school services page for Oxford Public Schools website. This will give students and parents easy access to getting the help they deserve, and provide direct links to who to contact. I

Social Work-Growing a Healthy and Happy Brain

Partnered with the Oxford HS Social Worker to learn more about the career field.

Social Work and Community Service

The screenshot shows a presentation slide with a dark blue header and a light green navigation bar. The main content area is divided into four sections: 'Project Overview', 'Collaboration', 'About Me', and 'Final Project'. The 'Project Overview' section is currently selected and contains the following text:

Project Overview

The Prosperity Project is a website that I have been designing that helps students at my school, Pomperaug High School, get the volunteer hours they need to graduate. I decided to create this because this is a new requirement to graduate at our school, so both students and staff are struggling to create easy ways to earn these hours. Additionally, a lot of students don't know how meaningful and beneficial volunteering is. Both these topics and issues are resolved by the Prosperity Project.

Sunday, April 24, 2022

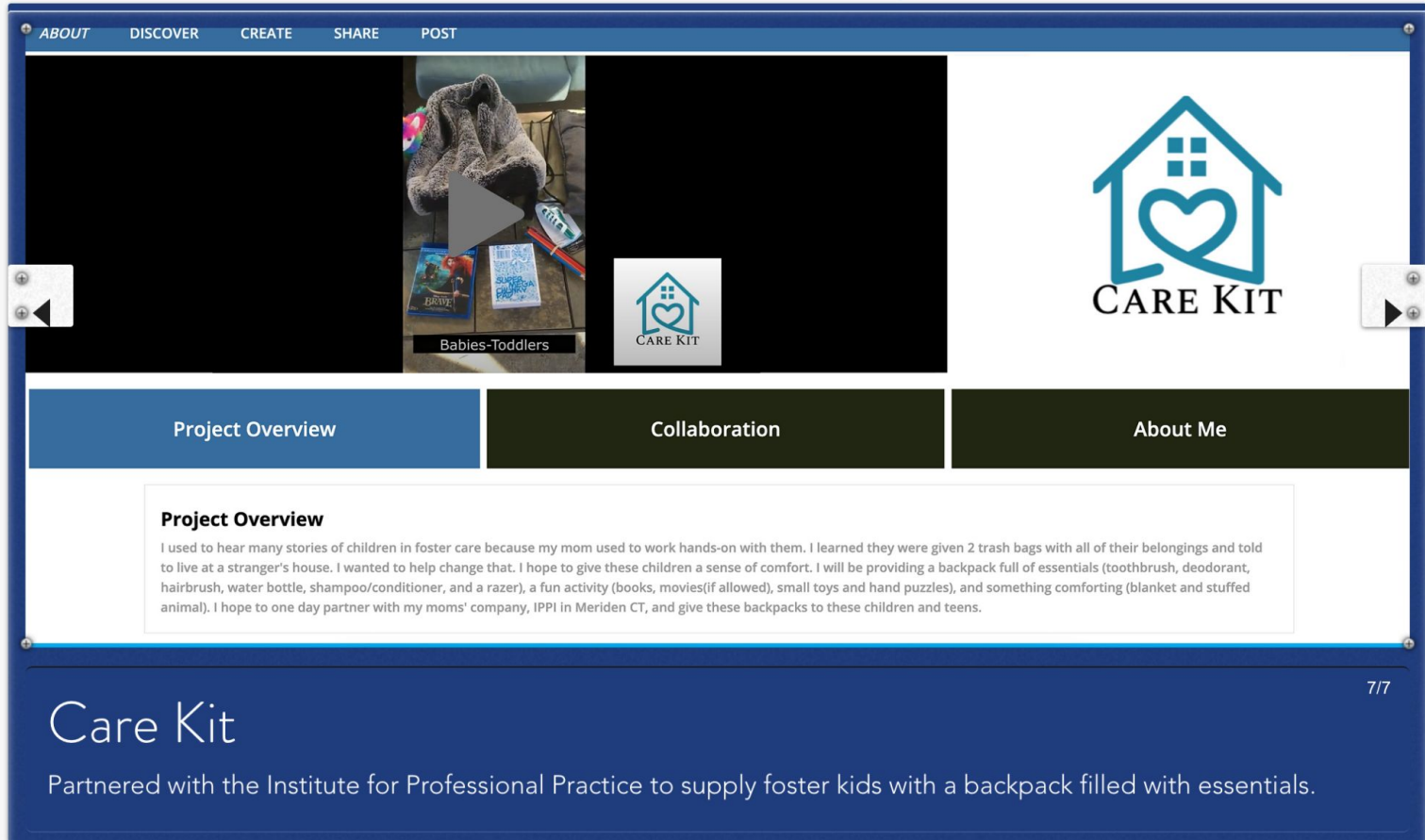
The slide also features a navigation menu at the top with links for 'ABOUT', 'DISCOVER', 'CREATE', 'SHARE', and 'BLOG'. A central image shows a yellow stick figure with a lightbulb above its head, and a green sidebar on the right displays the text 'THE PROSPERITY PROJECT' with a small icon of two people.

The Prosperity Project

Partnered with ImpaCT to create a website for students to meet their volunteer requirements.

Social Work and Community Service

ABOUT DISCOVER CREATE SHARE POST



Project Overview

I used to hear many stories of children in foster care because my mom used to work hands-on with them. I learned they were given 2 trash bags with all of their belongings and told to live at a stranger's house. I wanted to help change that. I hope to give these children a sense of comfort. I will be providing a backpack full of essentials (toothbrush, deodorant, hairbrush, water bottle, shampoo/conditioner, and a razor), a fun activity (books, movies(if allowed), small toys and hand puzzles), and something comforting (blanket and stuffed animal). I hope to one day partner with my moms' company, IPPI in Meriden CT, and give these backpacks to these children and teens.


Care Kit

Partnered with the Institute for Professional Practice to supply foster kids with a backpack filled with essentials.

7/7

Entrepreneurship

ABOUT PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG



Project Overview About Me Final Project

Project Overview

In this project, I will create an Etsy site and use it to sell handmade and hand painted earrings. This will include pricing my products, creating a logo, dealing with customers, creating products, setting up an Etsy, shipping, and communicating with my mentor. The earrings themselves take at least an hour and a half each of hand sculpting and painting and are made of polymer clay and acrylic paint. The goal is to experience what selling my own original art is like. I hope to gain useful knowledge about being a business owner and become an artist able to sell her own work.




Stella Makes Earrings

Created an Etsy shop to sell homemade, hand-crafted earrings.

1/2

Entrepreneurship

ABOUT PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG



Project Overview About Me Final Project

Project Overview

I chose this project to not only expand my love and knowledge of baking but to also push myself to see what I can make out of that love and passion. I want to have a business, even if it is something small and at home to be able to say "I did this" or "I created this". I eventually want to own my own place but for now, this will be something at home. I would also like to have a food truck of some kind so I would be able to take my business on the road to things such as fairs or other public events. So far I have accomplished way more than I ever thought I would. I have made my own website. Created different kinds of merchandise. Managed to calculate what my prices are going to be for different items. I also created an account on Square to be able

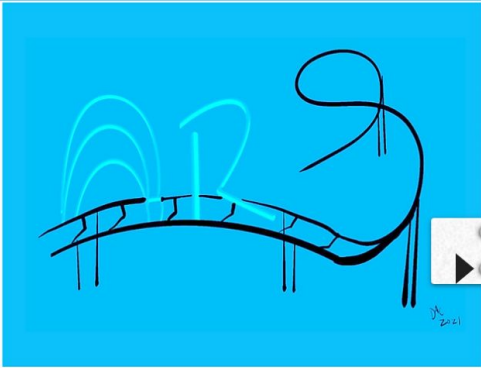
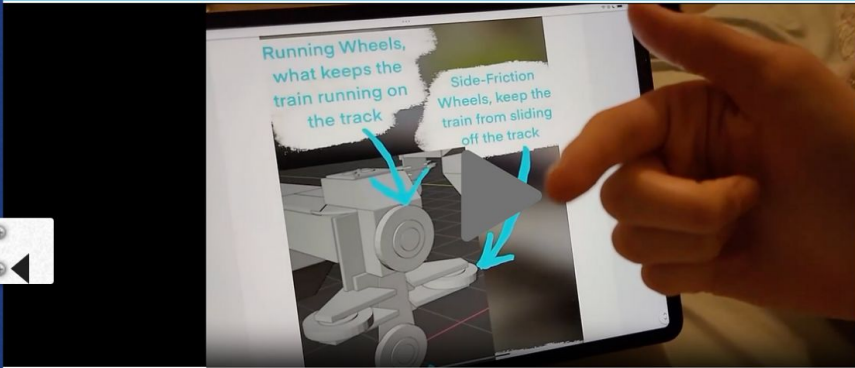
Rose Bakery

Created a business website to accept online purchases of homemade baked goods.

2/2

Technology and Innovation

ABOUT PERSONAL EXPLORATION PROJECT IDEATION PROJECT DEVELOPMENT PROJECT EXHIBITION BLOG



Project Overview Project Inspiration About Me Final Project

Project Overview

Project: "Adrenaline Rush AR" are QR codes that are placed throughout a queue line that will incorporate AR to display how a roller coaster and its train are assembled and disassembled, how the train runs on the track, how the track is constructed, safety concerns and solutions, physics included, all shown in a way made easier for kids to understand.

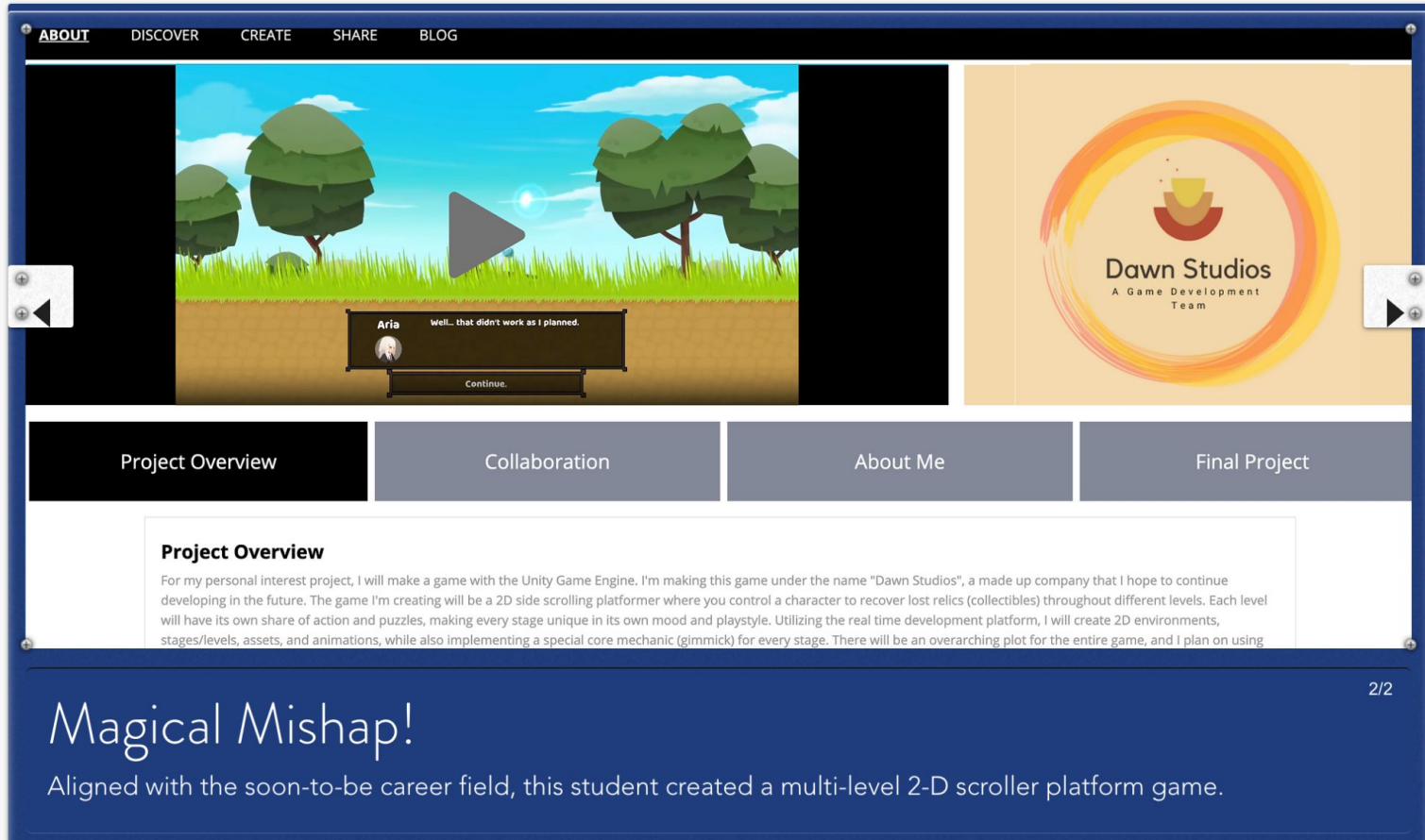
Monday, May 09, 2022

Adrenaline Rush AR

Partnered with Quassy Amusement Park to create informational AR experiences in the queue line of a roller coaster.

1/2

Technology and Innovation



ABOUT DISCOVER CREATE SHARE BLOG

Project Overview Collaboration About Me Final Project

Project Overview

For my personal interest project, I will make a game with the Unity Game Engine. I'm making this game under the name "Dawn Studios", a made up company that I hope to continue developing in the future. The game I'm creating will be a 2D side scrolling platformer where you control a character to recover lost relics (collectibles) throughout different levels. Each level will have its own share of action and puzzles, making every stage unique in its own mood and playstyle. Utilizing the real time development platform, I will create 2D environments, stages/levels, assets, and animations, while also implementing a special core mechanic (gimmick) for every stage. There will be an overarching plot for the entire game, and I plan on using

2/2

Magical Mishap!

Aligned with the soon-to-be career field, this student created a multi-level 2-D scroller platform game.

Agriculture and Horticulture

The screenshot shows a website interface with a dark blue header containing navigation tabs: **ABOUT**, PROJECT DEVELOPMENT, and PROJECT EXHIBITION. Below the header is a video player showing a person working in a garden, with a large play button in the center. To the right of the video is a business card for CNC Landscaping, featuring a green grass background and the text: **CNC Landscaping**, Chad Crane, 860-795-7095, Services Offered: Lawn Maintenance, Fall Clean up, and Morris, CT. Below the video and business card are three navigation buttons: Project Overview (black), About Me (green), and Final Project (green). The Project Overview section is active, displaying the following text:

Project Overview


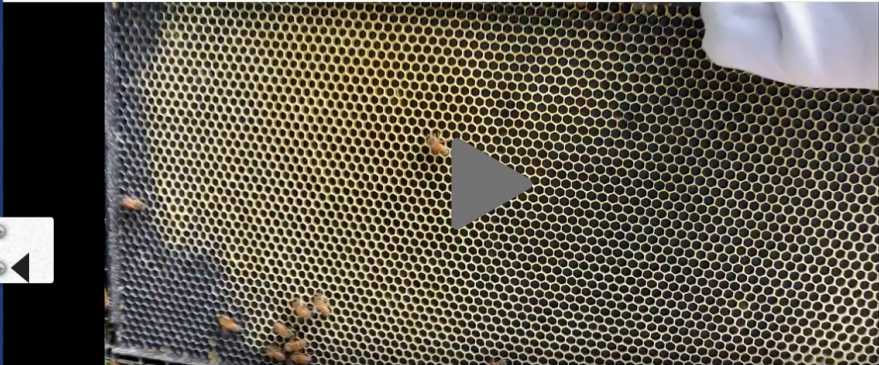
I started a landscaping entrepreneurship freshman year of highschool as a requirement I had to do, now writing this senior year I realized its much more then just a good way to get hours for my agriculture program. It taught me work ethic, the value of money, responsibility, social skills with my clients and many more things. Also I met new people and just become a better person from all the experiences, learning from my mistakes and not repeating them too. The past four years doing this SAE has only befitted me for the rest of life.

Tuesday, January 17, 2023

At the bottom of the screenshot, a dark blue footer contains the text: **CNC Landscaping** and Created a local landscaping business that offers a variety of services. The page number 1/3 is visible in the bottom right corner.

Agriculture and Horticulture

ABOUT PROJECT DEVELOPMENT PROJECT EXHIBITION



Project Overview About Me Final Project

Project Overview
Management and care for bees and their hive. This includes production and sales of honey and maintenance of hive boxes and integrity.
Tuesday, January 17, 2023



Beekeeping

Managed and cared for bees, which led to the production and sales of honey within the community.

2/3

Agriculture and Horticulture

ABOUT PROJECT DEVELOPMENT PROJECT EXHIBITION



Project Overview About Me Final Project

Project Overview

Throughout my four years of high school, I have been working on my Homesteading Entrepreneurship. I have logged numerous hours, taken photos to document, and set goals that were achieved. I have learned many life lessons that have impacted my life and will be carried on to solve problems that may arise in other aspects of my life. For my project, I raise fowl and as well as have a large garden that all provides for my family.

Thursday, January 05, 2023

Farm Poultry

Raises various fowl such as chickens and ducks, and sells the eggs within the community.

CTE CAPSTONE & PIP GALLERY

Healthcare

The screenshot shows a digital project gallery for a healthcare project. At the top, there is a navigation bar with links: ABOUT, PERSONAL EXPLORATION, PROJECT IDEATION, PROJECT DEVELOPMENT, PROJECT EXHIBITION, and BLOG. The main content area features two large images: on the left, a brain illustration with the text 'ALZHEIMER'S AWARENESS' and a play button; on the right, a graphic with the text 'SAVE THE MEMORY' and 'MEMORIES' and another play button. Below the images is a navigation bar with three tabs: 'Project Overview' (selected), 'About Me', and 'Final Project'. The 'Project Overview' tab is active, displaying a text box with the following content:

Project Overview

My LIFE project, "Save the Memories," involved creating many different t-shirt designs and ultimately selling them online through a Custom Ink fundraising page in order to raise money for Alzheimer's disease research. I created an in-depth plan from start-to-finish, developing multiple marketing strategies along the way and remained in contact with my school administration, Custom Ink staff, and members of the Alzheimer's Association, both on the federal and state level. I was able to create a flyer that was released in newsletters sent out by my school and the Connecticut Alzheimer's Association chapter, and after creating ten varied designs, I chose a powerful and easy-to-understand design that I entirely illustrated digitally. I went on to print this

1/7

Save the Memory
Partnered with the Alzheimer's Association Connecticut Chapter to raise money for Alzheimer's disease research.

Students on PIP



Feedback from Wamogo High School



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 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 to achieve them and reflect on the learning process itself to improve learning outcomes (ISTE)

Reflection

PIP Platform Activity

Gary's Awesome PIP

[View Project](#)

Project Proposal



Activity

1. Complete the project proposal template provided by considering the following questions.
 - a. What is your project topic?
 - b. Why did you choose this topic?
 - c. How is this project a learning stretch for you? What will you learn by completing this project?
 - d. List the supplies and resources you will need. At this point make sure that you are able to obtain your supplies and resources given any budget constraints and timing.
 - e. Describe your final product. What will you be able to share with an audience at the end of your project?

Overview

In this final activity for the Discover phase, you will formalize your project into a proposal. The proposal is the foundation of your project and will help you think about the tools, resources, and skills you will need to complete your project. You will also consider how you will collaborate with others and your final product presentation for your project.

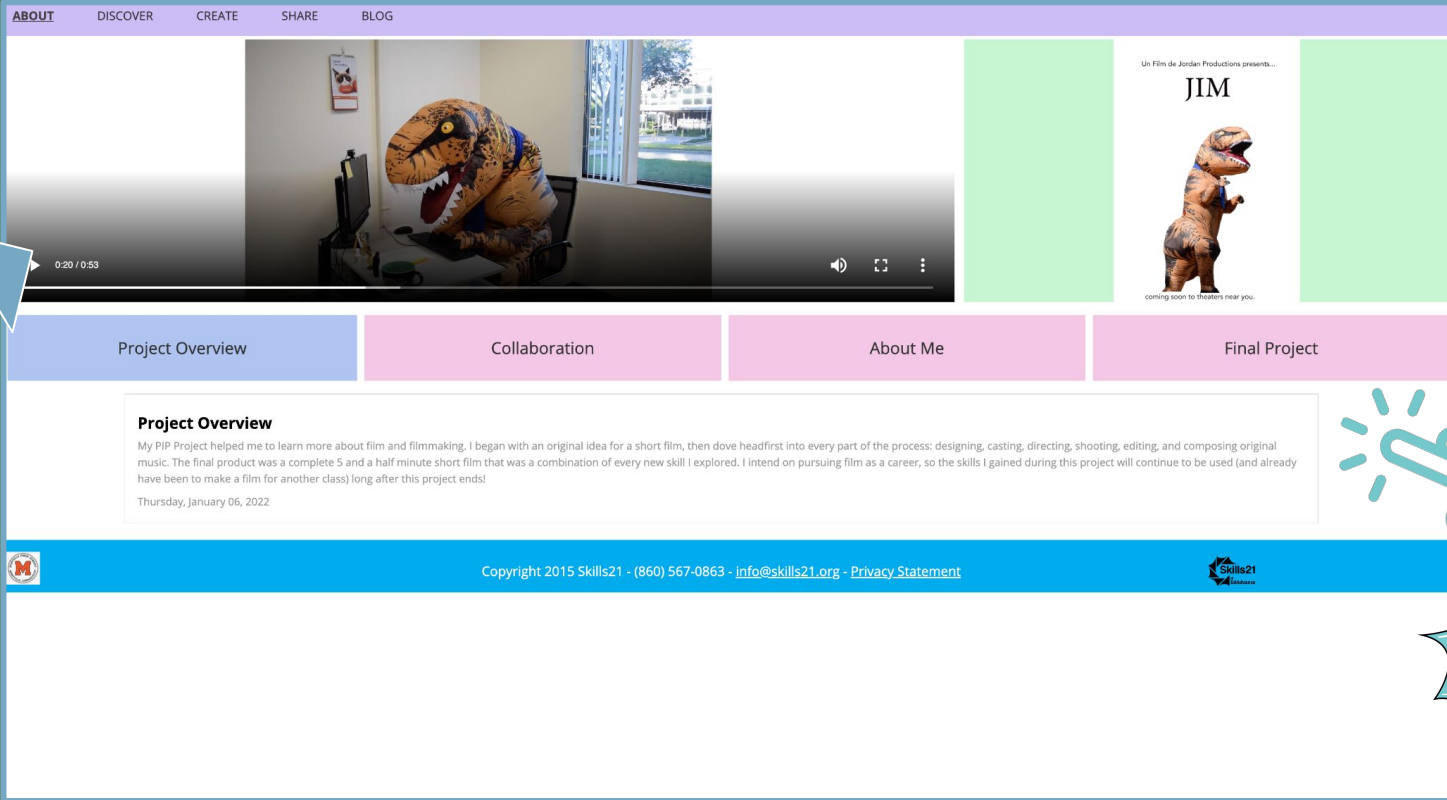
[Get Proposal Template!](#)

[Submit](#)



Next >

You Will Create a...Project Trailer



The screenshot shows a website interface for a project trailer. At the top, there is a navigation bar with the following links: ABOUT, DISCOVER, CREATE, SHARE, and BLOG. The main content area features a video player on the left showing a dinosaur in an office setting, with a progress bar at 0:20 / 0:53. To the right of the video is a movie poster for 'JIM' with the text 'Un Film de Jordan Productions presents...' and 'coming soon to theaters near you.' Below the video and poster are four tabs: Project Overview, Collaboration, About Me, and Final Project. The 'Project Overview' tab is selected and contains the following text:

Project Overview
My PIP Project helped me to learn more about film and filmmaking. I began with an original idea for a short film, then dove headfirst into every part of the process: designing, casting, directing, shooting, editing, and composing original music. The final product was a complete 5 and a half minute short film that was a combination of every new skill I explored. I intend on pursuing film as a career, so the skills I gained during this project will continue to be used (and already have been to make a film for another class) long after this project ends!
Thursday, January 06, 2022

At the bottom of the page, there is a blue footer bar containing the Skills21 logo on the left, the copyright notice 'Copyright 2015 Skills21 - (860) 567-0863 - info@skills21.org - [Privacy Statement](#)' in the center, and the Skills21 logo on the right. A large blue arrow points to the video player, and a hand icon with a lightbulb and a 'CLICK' speech bubble are on the right side of the page.

You Will Create a...Project Logo

The screenshot shows a website with a navigation bar at the top containing the links: ABOUT, DISCOVER, CREATE, SHARE, and BLOG. Below the navigation bar is a video player area with a play button in the center. To the right of the play button is a red square, and to the right of that is a yellow square containing an illustration of a whisk in a bowl with the text "Nonny's Kitchen" written in a cursive font. Below the video player area is a horizontal menu with four items: Project Overview, Collaboration, About Me, and Final Project. A blue arrow points to the "Final Project" item. Below the menu is a content area with the heading "Project Overview" and a paragraph of text. At the bottom of the page is a blue footer with the "pip" logo on the left, the copyright information "Copyright 2015 Skills21 - (860) 567-0863 - info@skills21.org - Privacy Statement" in the center, and the "Skills21 EdExperiences" logo on the right.

ABOUT DISCOVER CREATE SHARE BLOG

Project Overview Collaboration About Me Final Project

Project Overview

Nonny's Kitchen is a series of edited episodes of my Nonny and I cooking. While we cooked or baked in the episodes I asked Nonny a series of questions about her past. Coming from Italy, Nonny's upbringing wasn't easy and she was forced to do a lot of things at a young age that I never would've had to do: like cooking for her family at the age of 15. This project for me was all about learning Nonny's stories but also making sure they're remembered. Since food is such a big part of who Nonny's culture, filming cooking videos made the most sense. Digitizing her recipes and stories opened up the option of keeping her food forever in our family. It also allowed me to share them with other people. That leads me to where I decided to put the episodes. I made a whole Nonny's kitchen website that will be open to the public once it's done. This project is a way for me to honor Nonny and make her stories, and amazing recipes, known.

Tuesday, May 17, 2022

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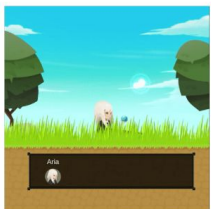


CLICK



You Will Create a...Project Blog

ABOUT DISCOVER CREATE SHARE **BLOG**



Blog

Entry 17 - Stage 1/Tutorial Stage

Tuesday, May 03, 2022 | 1:37 PM EDT

Most of the core aspects for the game are complete, so I need to start developing the actual map/stage for the player to play on. I need to make sure that the map looks good with the various environment props I have. I also need to mess around with the difficulty of the game, as a stage that is too easy or too hard won't be fun to play. I want to make the stages at least 2-3 minutes long to run through. Throughout the level more and more of the story will be revealed and progressed.

I worked on the level design for my first tutorial stage and was able to get a more immersive scene. I also placed sign assets along the level that triggers messages to pop up, explaining important information like how to walk, jump and run. Since this is the first stage, I still have to explain all of the controls to the player. With a bunch of props and decoration, the stage looks pretty nice. I made the final section of the stage and finally linked it to the next stage.

Entry 16 - Dialogue & Scene Transitions

Tuesday, May 03, 2022 | 1:41 PM EDT

I was able to implement a dialogue framework, so any time I want a conversation to start, I can trigger it with a simple script. I added my first conversation as part of my initial cutscene. The dialogue framework I used was very customizable, giving me access to things like character icons, dialogue options, and event triggers. My initial cutscene doesn't require any dialogue options, so there is only a continue button. I also photoshopped the two character icons for my two characters.

At the end of the conversation, I set an event trigger to run a script that transfers the player from the cutscene to the actual game. I added scene transitions in too, so there is a fade to black before launching the other scene. This makes everything just flow better. Now there is a way to go from just a non-interactive cutscene to being able to play. This dialogue finally enabled me to tell the story. I will continue to develop and tell the story through the dialogue and cutscenes.

Entry 15 - Intro Cutscene



Teacher Dashboard Functionality

The screenshot displays a teacher dashboard for 'Capstone Period 1'. At the top left is the 'LAUNCHPAD' logo. At the top right, the user is identified as 'Michael Scott' with a 'Log Out' link. The dashboard is divided into three main sections: 'Activities', 'Roster', and 'Student Work'. The 'Activities' section lists several tasks under three categories: 'Personal Exploration', 'Project Ideation', and 'Project Development'. The 'Roster' section shows a table with columns for 'Due Date' and 'Status'. The 'Student Work' section shows a table with columns for 'Status' and a large blue arrow pointing downwards.

Capstone Period 1

Activities | **Roster** | **Student Work** | **Skills**

Personal Exploration

- [Find My Passions](#)
- [Capstone](#)
- [Failure Resume](#)
- [Personality Test](#)
- [Vision of a Graduate Vision Board](#)

Project Ideation

- [Your Passion, Your Purpose](#)
- [SWOT Analysis](#)
- [Eleven Fish](#)
- [Capstone Proposal](#)

Project Development

- [Time Management Plan](#)
- [The Annotated Bibliography](#)

Due Date	1	2	3	4	5
Thursday, August 26th	1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5
Unassigned	1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5
Assigned	1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5
Assigned	1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5

Status	1	2	3	4	5
1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5	
1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5	
1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5	
1 COMPLETED	2 SUBMITTED	3 NOT SUBMITTED	4	5	

AI Threats - Jobs & Economy

MOTHERBOARD

TECH BY VICE

Startups Are Already Using GPT-4 to Spend Less on Human Coders

GPT-4 "saves a lot of time and a lot of money, obviously, because we haven't had to hire additional resources."



By [Chloe Xiang](#)

M.A.S.H.



Clear+Vivid with Alan Alda

Alan Alda

6 days ago

Alan chats with the bots

✓ Completed



Mike Farrell makes a guest appearance to perform with Alan the first new MASH scene in 40 years – a scene written by a chatbot. Most of Alan's other guests are themselves chatbots, including one that falsely claims to be a person and another that insults him horribly when Alan seeks advice.

The Open Mic Turing Test

*Oh, West Stockbridge Roads
quite a sight to see. From flying
trucks to pot farms, it can not be
believed. Big fences and solar
fields it's a changing scenery.
Some may call it progress but I
do not agree!*

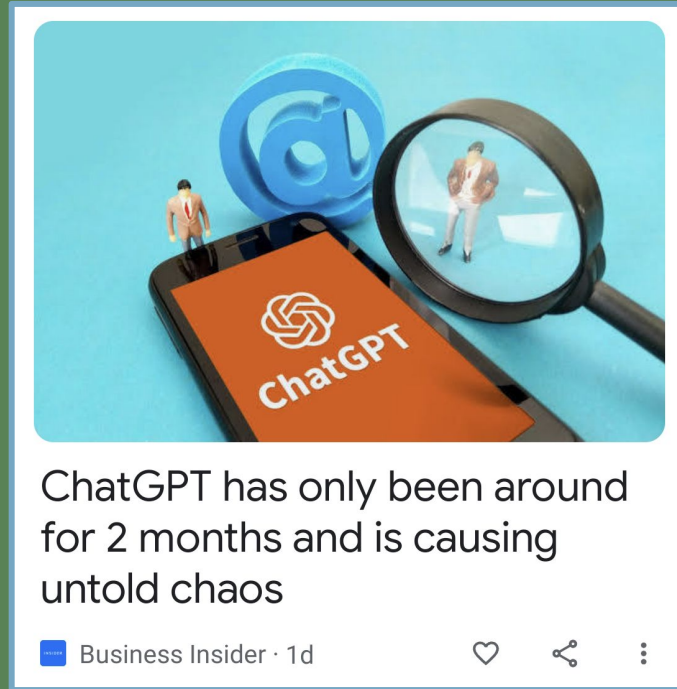


Replacement or Enhancement

Generative AI will “**disrupt**” every field where language, media and cognitive work are central.

- Education
- Law
- Marketing/Business
- Computer Science
- Arts/Music
- Media/Journalism

The essential question in all these settings will be focused on **replacement and/or enhancement**.



A World With ChatGPT = Portrait of the Grad



What are the 10 most important skills for high school graduates in a world where AGI exists?



1. Critical thinking and problem solving
2. Collaboration and teamwork
3. Communication and presentation skills
4. Adaptability and flexibility
5. Creativity and innovation
6. Emotional intelligence and empathy
7. Technical skills and computer literacy
8. Leadership and decision-making
9. Cultural and global awareness
10. Ethics and social responsibility.

A World With AGI = Portrait of the Grad



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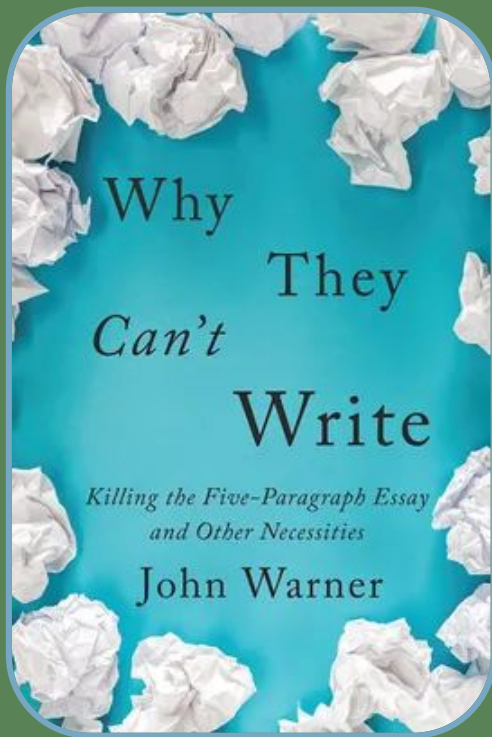
Fox News
3:55



AI bot that does schoolwork could 'blow up' US education system: former teacher

Watch

ChatGPT Can't Kill Anything Worth Preserving



Hanselminutes with Scott
Hanselman

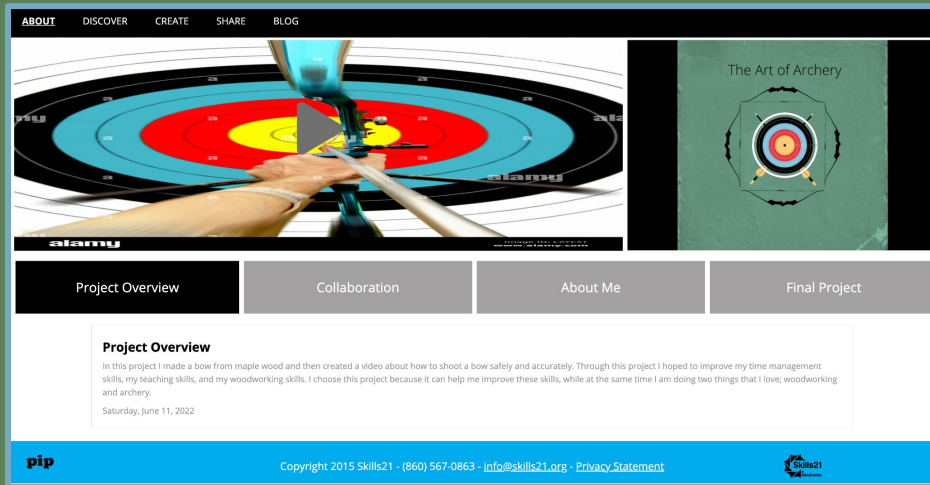
Scott Hanselman

Feb 16

Will ChatGPT help them
write? with John Warner

ChatGPT Can't Do This

Work with a grandparent to construct a bow from maple wood. Then create an instructional video on the techniques and safety precautions needed to shoot a bow accurately.



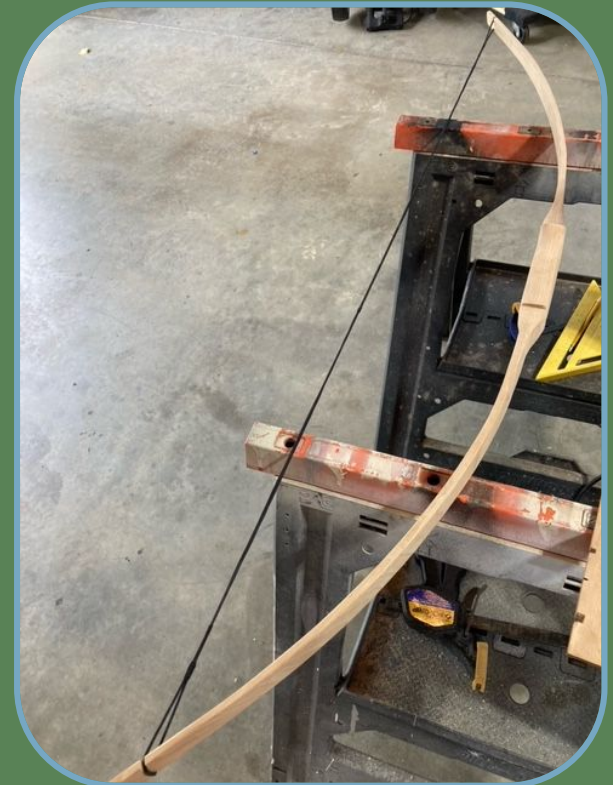
The screenshot shows a project page with a navigation bar containing 'ABOUT', 'DISCOVER', 'CREATE', 'SHARE', and 'BLOG'. Below the navigation bar are two video thumbnails: one showing a hand aiming a bow at a target, and another titled 'The Art of Archery' with a target icon. A horizontal menu below the thumbnails has four items: 'Project Overview', 'Collaboration', 'About Me', and 'Final Project'. The 'Project Overview' section is active and contains the following text:

Project Overview

In this project I made a bow from maple wood and then created a video about how to shoot a bow safely and accurately. Through this project I hoped to improve my time management skills, my teaching skills, and my woodworking skills. I choose this project because it can help me improve these skills, while at the same time I am doing two things that I love; woodworking and archery.

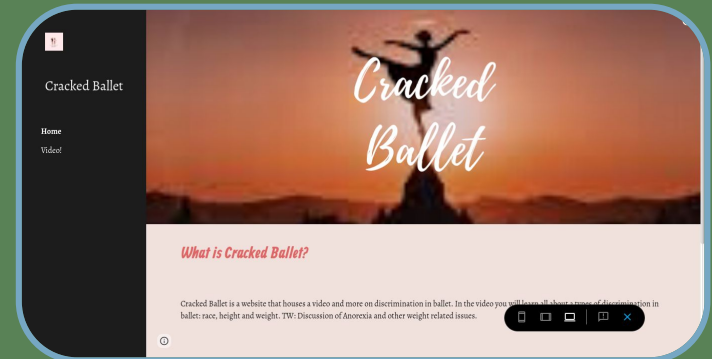
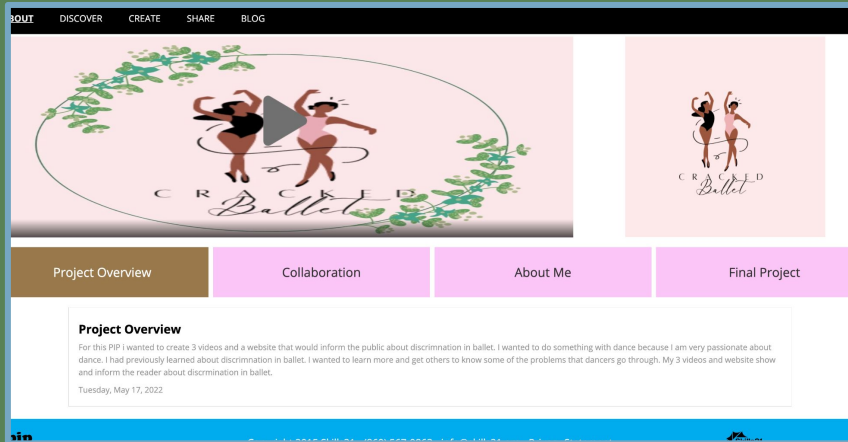
Saturday, June 11, 2022

At the bottom of the page, there is a blue footer with the 'pip' logo on the left, the text 'Copyright 2015 Skills21 - (860) 567-0863 - info@skills21.org - [Privacy Statement](#)' in the center, and the Skills21 logo on the right.



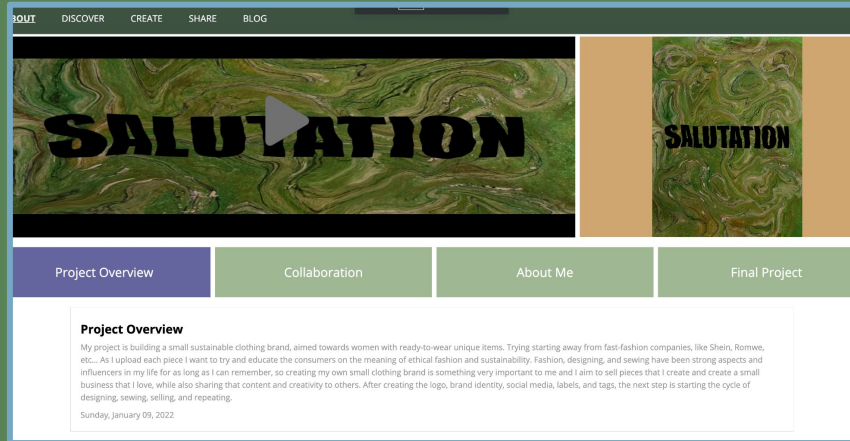
ChatGPT Can't Do This

Create a website that raises awareness about discrimination that unfortunately surrounds the arts and ballet.

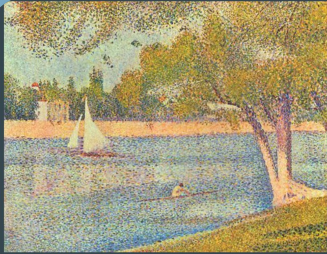


ChatGPT Can't Do This

Build a small sustainable clothing brand, aimed towards women with ready-to-wear unique items, while educating on the meaning of ethical fashion and sustainability.



ChatGPT Can't Do This



The original work created by Seurat



My recreation of the work

Recreate eight works that were originally created during various movements that occurred over time, including self-portrait drawings, etchings, and pointillism paintings.



The original work created by van Gogh



My recreation of the work

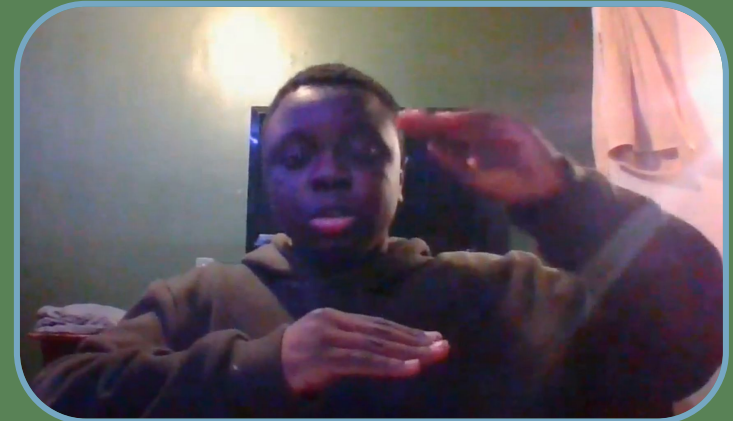
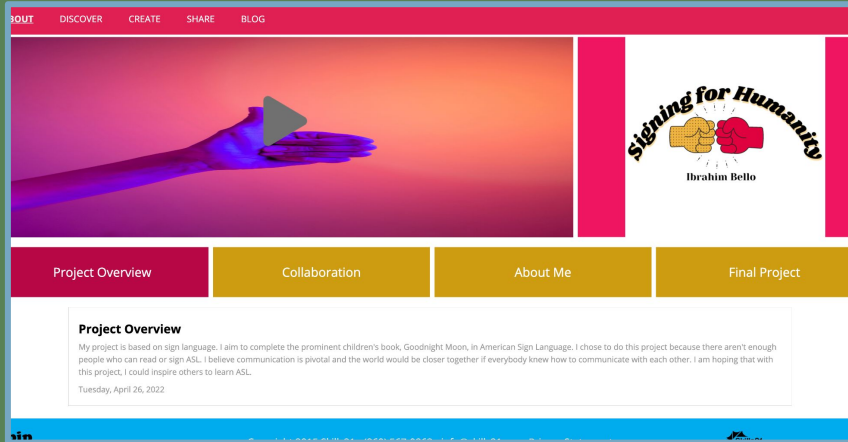
A screenshot of a project website titled 'Art Through the Ages'. The website has a yellow header with navigation links: HOME, DISCOVER, CREATE, SHARE, POST. Below the header is a banner image featuring a row of colored pencils and a clock face with the text 'ARE YOU READY...'. The website is divided into three main sections: 'Project Overview', 'Collaboration', and 'About Me'. The 'Project Overview' section contains the following text:

Project Overview

Art Through the Ages is a journey through the history of art around the world. In this project, I recreated eight works that were originally created during various movements that occurred over time. These include self-portrait drawings, etchings, pointillism paintings, and even a Greek pottery vessel. These recreations were created entirely with both colored and graphite pencils and without the use of tracing or any drawing aids, and over the course of one month, I acquired a greater understanding of the styles used by the masters and translated them into my drawings, which was quite a learning experience. I also created a timeline featuring each piece, and included information about my experience with the pieces, their original artists, and the backstories of each piece, in a formal presentation that is similar to a trip through an art museum.

ChatGPT Can't Do This

Complete the prominent children's book, Goodnight Moon, in American Sign Language.



ChatGPT Can't Do This

Train, both mind and body, to complete the United States Navy Seal Physical Standards Test.



ABOUT DISCOVER CREATE SHARE BLOG

UNITED STATES NAVY SEALS

Project Overview Collaboration About Me Final Project

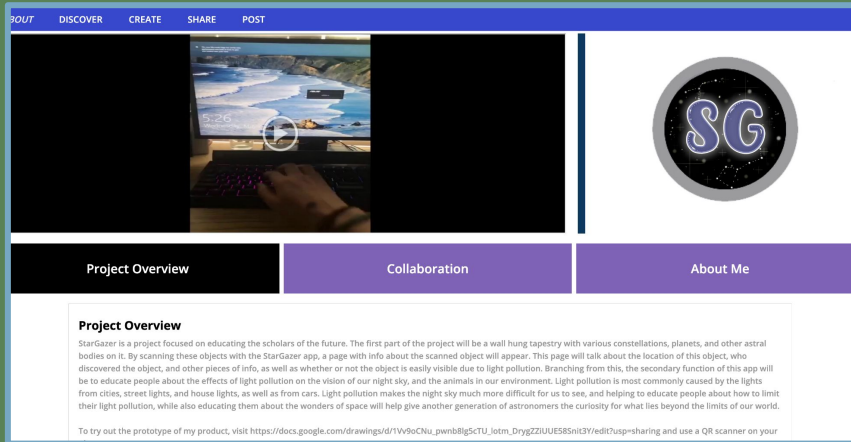
Project Overview

In this project I will provide an in depth look at the training programs that I will use to eventually complete the United States Navy Seal Physical Standards Test, a rigorous fitness test set forth by the US military. It will include push-up, sit-up, pull-up, run, and swim portions. To prepare my mind and body for this final test, I will complete various tests as precursors. These included the West Point Academy fitness assessment and USNA fitness assessment among others. This project is important to me as I hope to one day join the military, like members of my family have done before me, and this project will hopefully help me to prepare for the obstacles that I may face.

Monday, January 10, 2022

ChatGPT Can't Do This

Create an interactive tapestry of constellations and planets that will provide the user with educational information.

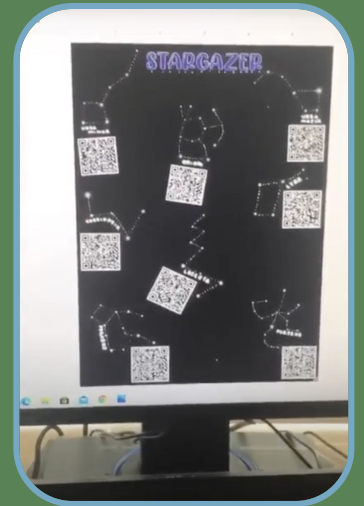
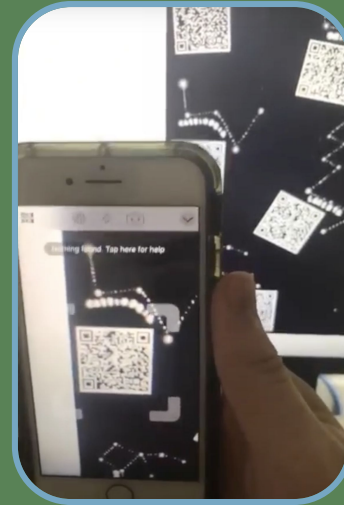


The screenshot shows a web application with a blue header containing navigation links: ABOUT, DISCOVER, CREATE, SHARE, and POST. The main content area is divided into three sections: 'Project Overview' (left), 'Collaboration' (middle), and 'About Me' (right). The 'Project Overview' section contains a paragraph of text and a small image of a person using a laptop. The 'About Me' section features a circular logo with the letters 'SG' on a starry background.

Project Overview

StarGazer is a project focused on educating the scholars of the future. The first part of the project will be a wall hung tapestry with various constellations, planets, and other astral bodies on it. By scanning these objects with the StarGazer app, a page with info about the scanned object will appear. This page will talk about the location of this object, who discovered the object, and other pieces of info, as well as whether or not the object is easily visible due to light pollution. Branching from this, the secondary function of this app will be to educate people about the effects of light pollution on the vision of our night sky, and the animals in our environment. Light pollution is most commonly caused by the lights from cities, street lights, and house lights, as well as from cars. Light pollution makes the night sky much more difficult for us to see, and helping to educate people about how to limit their light pollution, while also educating them about the wonders of space will help give another generation of astronomers the curiosity for what lies beyond the limits of our world.

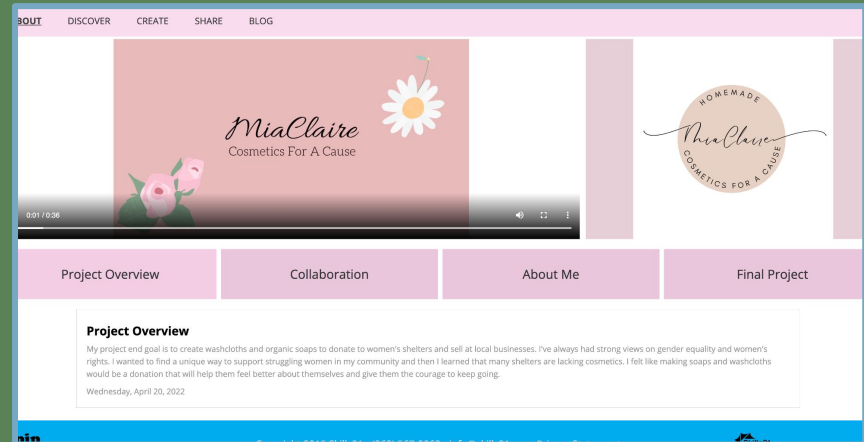
To try out the prototype of my product, visit https://docs.google.com/drawings/d/1V9oCNu_pwnb8Iq5cTU_lotm_DrygZIUUES8Nt3Y/edit?usp=sharing and use a QR scanner on your



ChatGPT Can't Do This

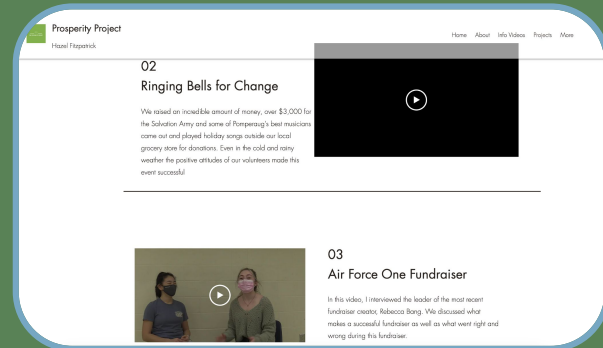
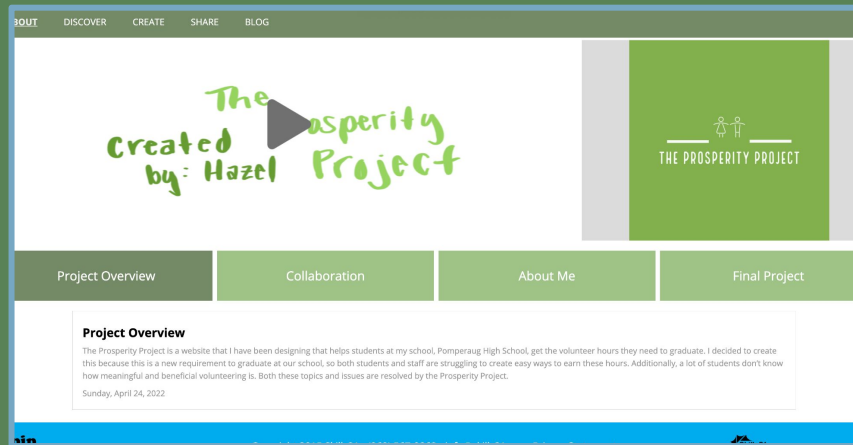


Create washcloths and organic soaps to sell at local businesses, and the proceeds get donated to women's shelters.



ChatGPT Can't Do This

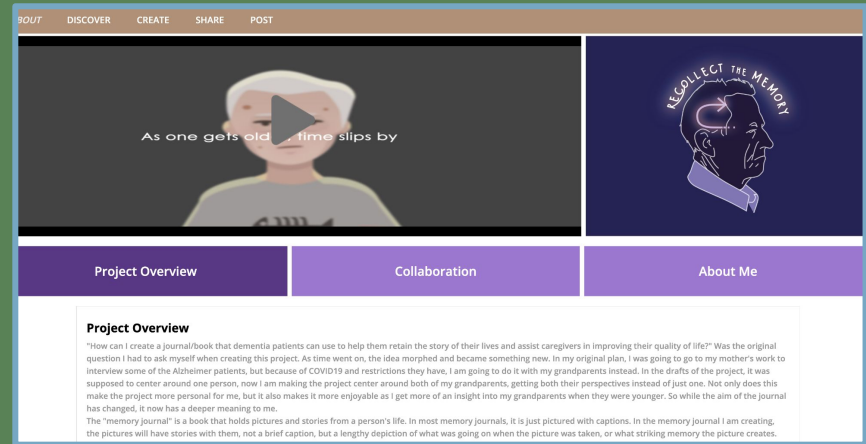
Create a website that will help students get the volunteer hours they need to graduate.



ChatGPT Can't Do This



Create a journal/book that dementia patients can use to help them retain the story of their lives and assist caregivers in improving their quality of life.



ChatGPT Can't Do This

Learn how to fertilize and construct an eco-friendly compost bin that includes no polyester or other non-sustainable materials

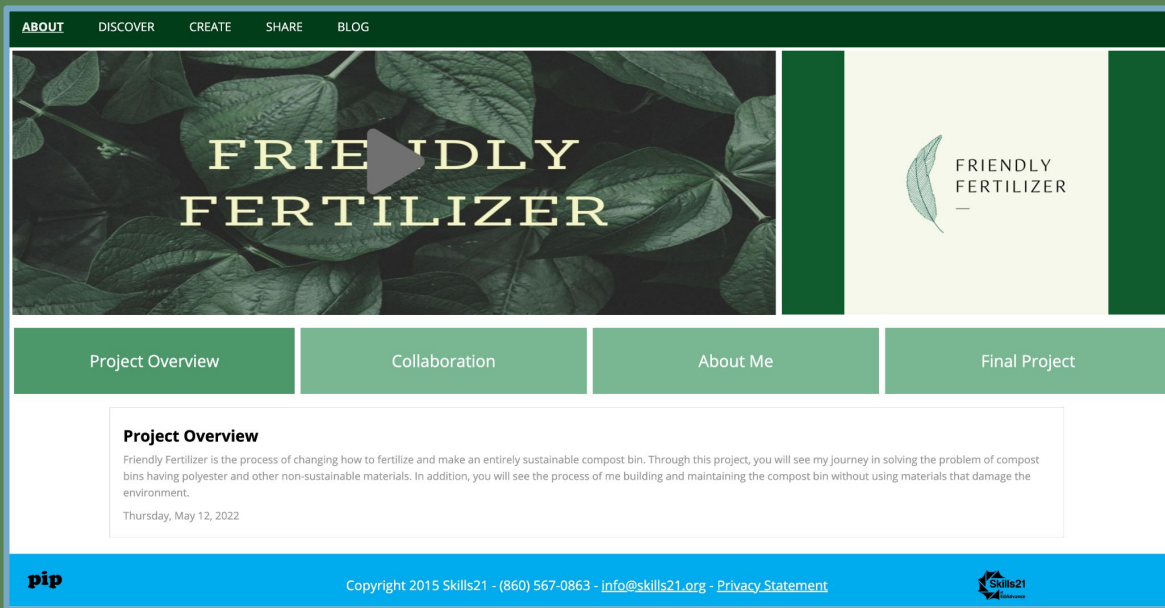


FRIENDLY
FERTILIZER

A screenshot of the 'Friendly Fertilizer' website. The top navigation bar includes links for 'ABOUT', 'DISCOVER', 'CREATE', 'SHARE', and 'BLOG'. The main header features a large image of green leaves with the text 'FRIENDLY FERTILIZER' and a play button icon. To the right is a smaller version of the logo. Below the header is a menu with four items: 'Project Overview', 'Collaboration', 'About Me', and 'Final Project'. The 'Project Overview' section is active, showing a brief description of the project and the date 'Thursday, May 12, 2022'. The footer contains the 'pip' logo, copyright information for Skills21, and a privacy statement link.



Can ChatGPT/AI Make These Better, Deeper & More Meaningful?



The screenshot shows a website for 'Friendly Fertilizer'. The navigation menu includes 'ABOUT', 'DISCOVER', 'CREATE', 'SHARE', and 'BLOG'. The main content area features a large image of green leaves with the text 'FRIENDLY FERTILIZER' overlaid. Below this is a horizontal menu with four items: 'Project Overview', 'Collaboration', 'About Me', and 'Final Project'. The 'Project Overview' section is active and contains the following text:

Project Overview

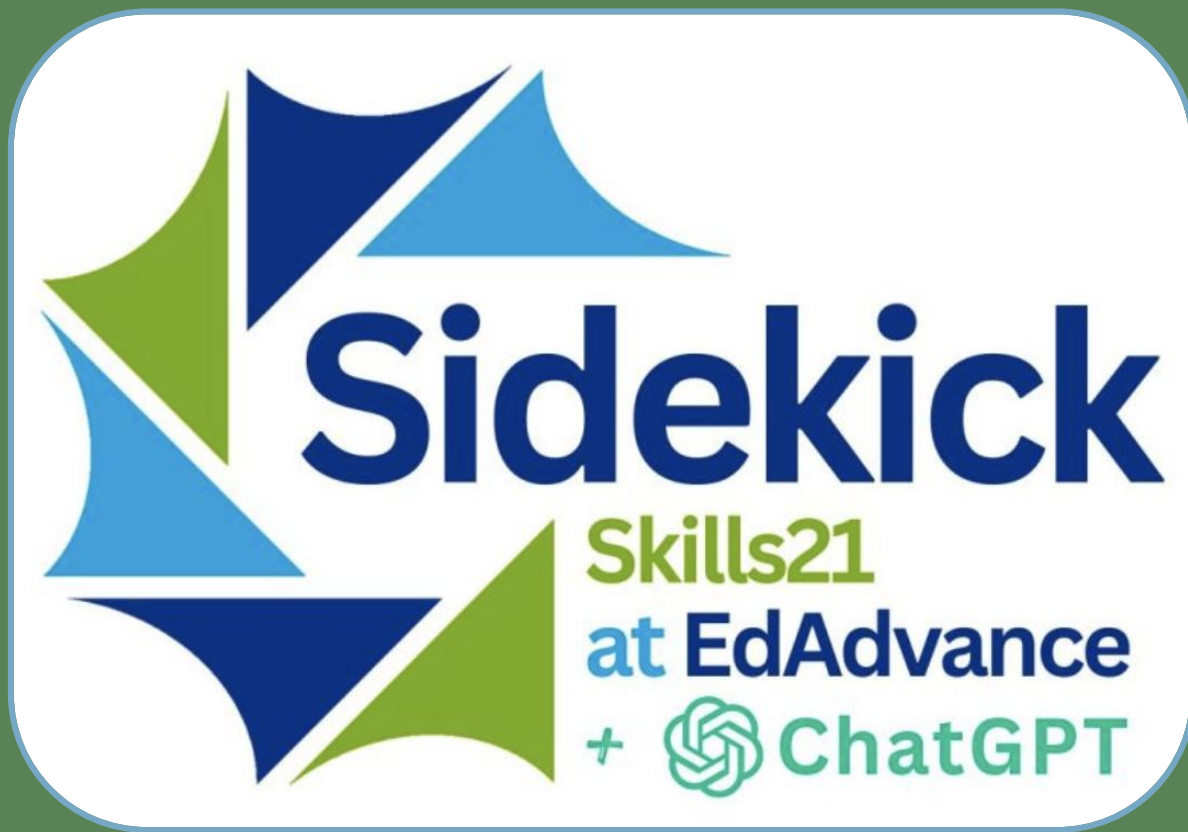
Friendly Fertilizer is the process of changing how to fertilize and make an entirely sustainable compost bin. Through this project, you will see my journey in solving the problem of compost bins having polyester and other non-sustainable materials. In addition, you will see the process of me building and maintaining the compost bin without using materials that damage the environment.

Thursday, May 12, 2022

The footer of the website includes the 'pip' logo, copyright information for Skills21, and links to contact information and a privacy statement.



PIP Sidekick AI (23-24)



Demo Project

[View Project](#)

Learn, Solve, Make, Do



Overview

In this activity you will list ideas of things you want to learn, make, do or problems you want to solve. Try to list at least one or two ideas in each category - the more ideas, the better! Once you have many ideas, highlight the five best ideas for your project.

Get Learn, Solve, Make, Do

Submit

Activity

1. Use the template to list things you want to learn, problems to solve, things to make, and things to do.
2. Have a friend or family member complete the same activity and compare lists. Add any new ideas to your list that come to mind.
3. Highlight five ideas that you are most interested in doing for your PIP. At this time you should consider the time frame, resources, and skills needed to complete each project to make sure the projects are feasible.
4. Upload your list with highlighting to your Launchpad profile. In the reflection box write about the ideas that you are considering for your Personal Interest Project.

Next >

Learn, Solve, Make, Do Ideas

WHAT WOULD I LIKE TO LEARN...	WHAT WOULD I LIKE TO SOLVE...	WHAT WOULD I LIKE TO MAKE...	WHAT WOULD I LIKE TO DO...
How to skate	Food Waste	Podcast	Gardening
Cooking		Winter Hat	
Italian Language			

Brainstorm Sidekick



I'm a junior in High School. My Interests consist of saving the environment, writing, and building robots. I currently have four jobs ranging from a regular part-time to an online job writing captions for videos. In addition, I love hanging out with my friends. We go thrifting and spend way too much on fast food. I'm really Into the environment and want to help more people compost. Any ideas?



It sounds like you have a lot of interests and passions! Here are a few project ideas that could combine some of them:

1. Building a robot to automate the composting process: You could design and build a robot that can turn compost piles, monitor moisture levels, and even alert you when the compost is ready to be used.
2. Writing a guide to composting for beginners: You could research and write a guide to composting that's tailored to people who are new to the practice. You could include information on what can and can't be composted, how to set up a compost bin or pile, and tips for maintaining a healthy compost.
3. Creating a composting program for your school or community: You could work with your school or local community to create a program that encourages and educates people about composting. This could include setting up compost bins, organizing workshops, or even starting a composting club.
4. Creating a sustainable lifestyle blog: you could create a blog that features sustainable living tips, reviews of eco-friendly products, and information about environmental issues. you can include topics such as reducing waste, composting, and shopping sustainably.
5. Creating a sustainable fast food restaurant: you could research and propose a sustainable business plan for a fast-food restaurant that focuses on reducing waste and using eco-friendly products.

These are just a few ideas to get you started, but there are many other ways you could use your interests and skills to make a difference for the environment. Let me know if you want me to expand on any of these ideas or if you have any other questions.

Demo Project

[View Project](#)

Pick a Project



Overview

In this activity, you will consider the pros and cons of two or three of your PIP ideas to decide which one will be your PIP project. It's important to consider things like feasibility, budget, time constraints, interest level, resources, and skills before you make a decision. If you jump into a project without really thinking about the pros and cons, you may end up disappointed if your project doesn't work out the way you hoped it would. Take your time in deciding which project will be best for your PIP.

Get Pick a Project

Submit

Activity

1. Get the Pick a Project template.
2. List the pros and cons for at least two of your favorite PIP project ideas from the Learn, Solve, Make, Do activity.
3. The template lists things to consider as you make your pros and cons list.
4. Review your lists and decide which project will make the best PIP for you.
5. Upload your Pros and Cons lists and in the reflection box write about which project you're going to pick!

[Next >](#)

Pick a Project Ideas

BUILD COMPOST BIN FOR SCHOOL

PRO'S

Eco-friendly
Affordable
Prevents food waste

CON'S

School approval
Student participation

LEARN TO SKATEBOARD

PRO'S

Fun
Always wanted to do

CON'S

No experience
Could get injured
Too cold to skate?

GROW A GARDEN

PRO'S

Can show progress
Cheap

CON'S

Need to learn
Weather

Asking for a Friend Sidekick



Ok great. Here are my three most interesting ideas. Do you have any advice on which project to pick? Project Idea 1 - build a compost bin for my high school, Project Idea 2 - build and grow a garden, and Project Idea 3 - learn to skate

Project Idea 1: Building a compost bin for your high school

Pros:

- This project aligns with your interest in composting and the environment
- It could have a tangible impact on reducing waste and improving the school's sustainability
- It could be a fun and hands-on project that involves working with other students and staff
- You would be able to see the results of your work on a daily basis.

Cons:

- It may be difficult to get permission and funding for the project
- It could be time-consuming and require a lot of planning and coordination
- You would need to be able to find a suitable location for the compost bin, and make sure it is being used properly.

Project Idea 2: Building and growing a garden

Pros:

- This project aligns with your interest in the environment and sustainable living
- It could have a tangible impact by providing fresh produce for yourself, your school or community
- It could be a fun and hands-on project that involves working with other students and staff
- It can be a great learning opportunity for you and your peers, in terms of learning about plant care, gardening, and the environment.

Demo Project

[View Project](#)

Project Proposal



Overview

In this final activity for the Discover phase, you will formalize your project into a proposal. The proposal is the foundation of your project and will help you think about the tools, resources, and skills you will need to complete your project. You will also consider how you will collaborate with others and your final product presentation for your project.

[Get Proposal Template](#)

[Submit](#)

Activity

1. Complete the project proposal template provided by considering the following questions.
 - a. What is your project topic?
 - b. Why did you choose this topic?
 - c. How is this project a learning stretch for you? What will you learn by completing this project?
 - d. List the supplies and resources you will need. At this point make sure that you are able to obtain your supplies and resources given any budget constraints and timing.
 - e. Describe your final product. What will you be able to share with an audience at the end of your project?

[Next >](#)

Project Proposal Idea



WHAT

I'm building a compost bin for my high school.



WHY

I want to turn food waste into something useful.



MENTOR

Shop Teacher

Eco Friendly Club Advisor

MATERIALS

I'll need wood, screws, tools, and dirt...

Is there anything else? I'm not totally sure what I'll need (!!!)



Going to need some help



FINAL PRODUCT

A finished and functioning compost bin and fertilizer gets used in the school garden.

Help Me Make a List Sidekick



Ok, I've selected to make a compost bin for my high school and I'm excited! I'm working on my proposal. I know what I'm going to do and why I want to do it, but I'm not sure what materials I'll need. Can you help me make a materials checklist? Oh and I want it to be all from sustainable materials and definitely no plastics!



Sure! Here's a basic list of materials you'll likely need to build a compost bin for your high school, using sustainable materials and avoiding plastics:

- Compost bin: You can build a compost bin using sustainable materials such as bamboo, cedar or untreated wood. These materials are biodegradable and also provide insulation to keep the compost at the right temperature.
- Compost ingredients: You'll need a mix of "brown" and "green" materials to create a healthy compost. Brown materials include leaves, twigs, and shredded paper, while green materials include kitchen scraps, grass clippings, and coffee grounds.
- Tools: You'll need basic tools such as a hammer, screwdriver, saw, and drill to assemble the compost bin. You may also use hand tools like a chisel and a mallet if you decide to go with bamboo or wood.
- Safety equipment: Depending on the materials you choose, you may need safety equipment such as gloves and goggles to protect yourself while building the compost bin.
- Other sustainable materials: Consider using materials like twine or raffia to tie the compost bin together, or using natural oils to treat the wood to protect it from rot.

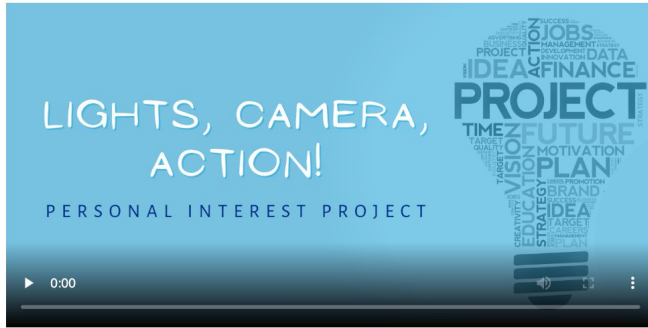
You may also want to consider additional items like:

- A thermometer: to measure the temperature inside the compost bin,
- A moisture sensor: to measure the moisture level inside the compost bin and make

Demo Project

[View Project](#)

Lights, Camera, Action!



Activity

1. Gather images, video footage, animation or anything else you want to put in your video.
2. Using a video editing tool like Spark Video or iMovie, put together a video trailer of 30 seconds to one minute and thirty seconds.
3. Upload the trailer to your Launchpad profile.

Resources

Sample Trailers

- [Cooking in 4 Months](#)
- [Matrixed](#)
- [Art Through the Ages](#)
- [Landscaping](#)
- [I Am Fit & Fabulous](#)
- [DAC 2021](#)

Some Video Editing Platforms to Choose From:

- iMovie
- Adobe Spark
- WeVideo
- Powtoon

Overview

To complete your project's Launchpad landing page, you need to add a project trailer. This brief video lets your audience see what you did for your project. You can use images, video footage, animation, slides or something else to make your trailer. Many students add music in the background or add a voice over narration. This trailer should spark interest in your project and give your audience a quick overview of what you did.

[Submit Trailer](#)

[Next >](#)

Lights, Camera, Action Idea

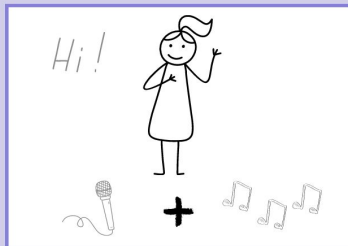
1



start with a shot of the logo

Music starts

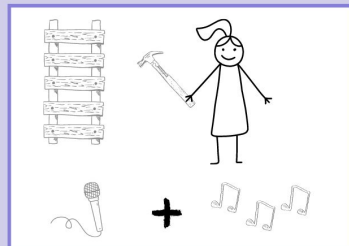
2



Clip 1 - Working on the project

Narration starts + Music Continues

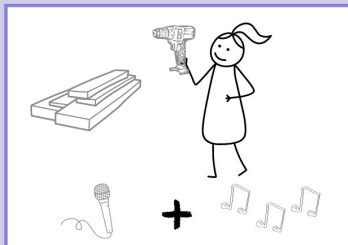
3



Clip 2 - Breaking down pallet

Narration + Music continues

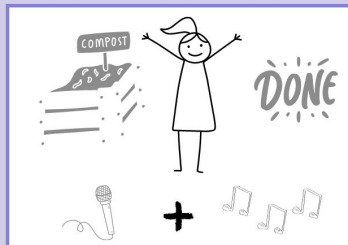
4



Clip 3 - Putting Bin Together

Narration + Music continues

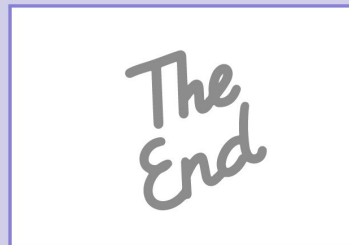
5



Clip 3 - Finished compost bin

Narration + Music fade

6



Hollywood Sidekick :)



Can you help me draft a video trailer script for my student project to build a sustainable compost bin for my high school?



Sure! Here is a sample script for a video trailer for your student project:

Opening shot: A shot of the school's campus with students walking around.

Narrator: (voiceover) At XYZ High School, we're always looking for ways to be more environmentally friendly. But what about our waste?

Cut to: Close-up of a trash can overflowing with waste.

Narrator: (voiceover) Every day, tons of food scraps and organic waste are thrown away. But what if we could turn that waste into something valuable?

Cut to: Close-up of a hand turning a compost pile.

Narrator: (voiceover) Introducing the XYZ High School Sustainable Compost Bin Project.

Cut to: Aerial shot of a group of students working on a compost bin.

Narrator: (voiceover) Led by students, for students, this project aims to build a compost bin on campus that will convert food waste into nutrient-rich compost.

Cut to: Close-up of a plant growing in compost.

Narrator: (voiceover) Not only will it reduce our waste, but it will also provide a valuable resource for our school's gardens and landscaping.

Cut to: Close-up of a student holding a sign that says "Save the Planet, Compost."

Narrator: (voiceover) Join us in making XYZ High School a more sustainable community. Support the XYZ High School Sustainable Compost Bin Project.

Closing shot: A shot of the school's logo with the words "Support the Sustainable Compost Bin Project" written underneath.

Demo Project

[View Project](#)

Investigate!



Activity

1. Get the Investigate template from Launchpad.
2. Find a resource that will be helpful for your project and document it on the template. Be sure to include as much information as possible including the name of the source, the url or link (if applicable). Summarize the information that this source provides.
3. Find at least four resources that will be helpful to you for your project.
4. As you develop your project you may continue to need resources so this list can grow throughout the development process.
5. Upload your Investigate template to Launchpad.

Resources

[Sample of Investigate](#)

Overview

When doing any project it is important to gather information before you start. Gathering resources will help you learn about your topic and will be necessary to help you complete your project. Resources can come from websites, YouTube videos, books, or even other people. It is important to keep track of your resources to give credit to your sources and to be able to return to resources as you make progress on your project.

[Get Investigate](#)

[Submit](#)

[Next >](#)

Intelligent Tutor/Sidekick



Hi there. I'm doing a student interest project where I plan to build a sustainable compost bin to be stored at my school. The problem is I don't know anything about compost and how to build this bin. Do you think you can help prepare me for this cool project?



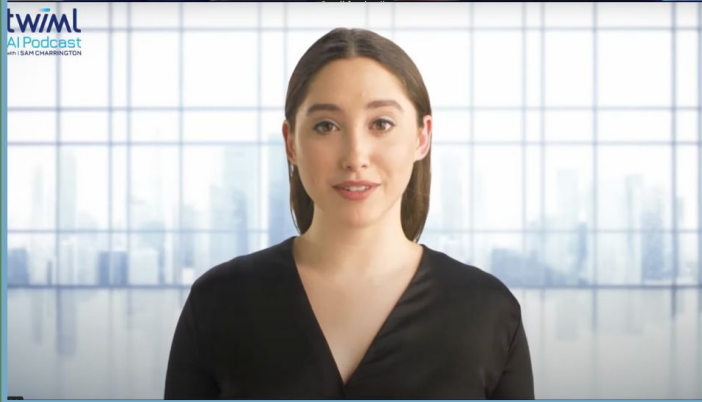
Yes, I can help you with your project! Composting is the process of breaking down organic materials such as food scraps, yard waste, and paper products into a nutrient-rich soil amendment called compost. To build a compost bin, you will need to create a container to hold the organic materials and provide the right conditions for them to decompose.

Here are some basic steps you can follow to build your compost bin:

1. Choose a location for your bin that gets plenty of sun and has good drainage.
2. Decide on the size of your bin. You can build a bin using a variety of materials such as wood, concrete blocks, or plastic bins.
3. Build the bin using your chosen materials. You can use screws or nails to hold the wood together, or use wire to hold the concrete blocks in place.
4. Make sure the bin has proper ventilation by drilling holes in the sides and bottom of the bin.
5. Add your organic materials to the bin, such as food scraps, yard waste, and paper products.
6. Turn the compost regularly to aerate it and help it break down faster.
7. Water the compost as needed to keep it moist but not waterlogged.
8. Your compost will be ready to use in several months, depending on the materials you use and how often you turn it.

There are many resources online and offline that can provide more detailed instructions on how to build your compost bin, as well as information on what can and cannot be composted.

Next Gen Intelligent Tutor - Video



Sam Charrington
The TWIML AI Podcast

ChatGPT
Narration



Synthesia
Voice & Avatar



Next Gen Intelligent Tutor - VR



Next Gen Intelligent Tutor



Holographic Tutor
Created in DALL-E

Is This a Crisatunity?





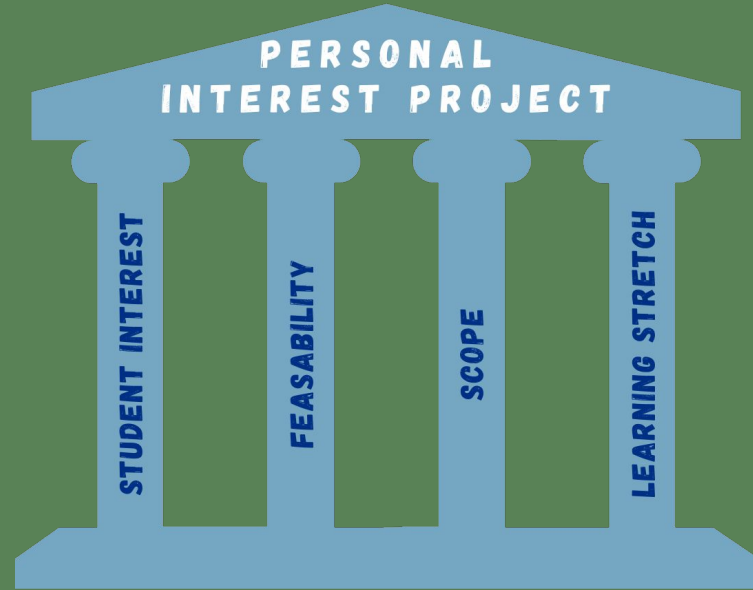
Tips for PIPs



Choosing a Project

A great PIP is built with **4 key factors in mind:**

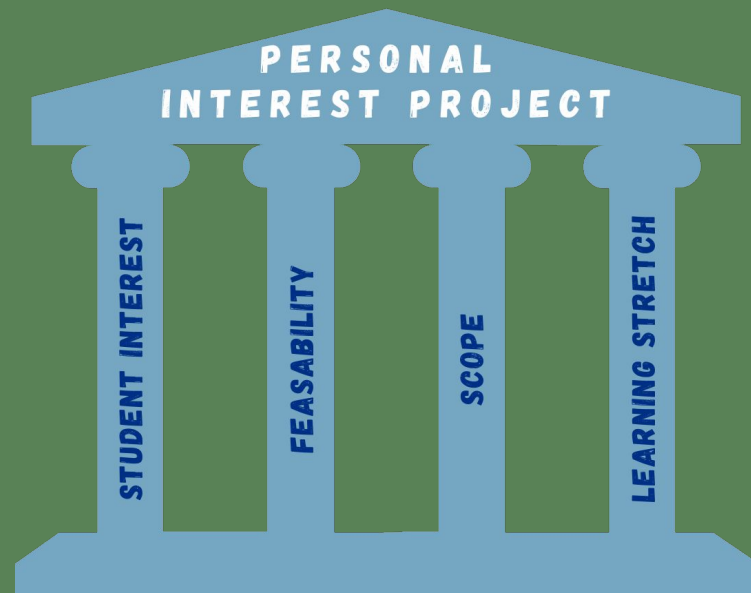
- Student interest
- Feasibility
- Scope
- Learning stretch



The Proposal is KEY

The proposal is the teacher's time to:

- Ensure that the four pillars are met
- Deepen the learning



Balancing At-School and At-Home Tasks

- Students **need a plan for what they will do** *in class* when given time to work on their projects.
- If they cannot work on their actual project they can:
 - Write a script for their final video
 - Blog/Vlog
 - Conduct research
 - Enhance their profile with images/logo/colors
 - Consult with peers
 - Write artist's statements, create a business plan, make shopping lists, etc.

How Do I Grade a PIP?

- Pass/Fail or Mastery based is what we encourage
- Allow (encourage!) redoing assignments
- BUT keeping students accountable or policies may require grading so...
- Template for a [grading plan](#)
- Think holistically.
 - Completing the project is not the only criteria for assessment
 - Did they demonstrate other skills you want to encourage - time management, collaboration, problem solving, overcoming obstacles, creative thinking, resilience, persistence

How Do I Manage All the Individual Projects?

- **Entry/exit ticket** to set a goal for the day and self-reflect on how they did
- **Conferencing** with individuals or small groups
- Peer conferencing and goal setting
- The role of the teacher is the “guide on the side.” You **point them in the right direction** but don’t need any expertise in their topic.
- Peers also hold each other **accountable and often have more impact** than a teacher’s comments. Leverage that by having students present/share their work routinely. They don’t want to look bad in front of peers.

What Happens When They Finish?

- Authentic opportunity to share their learning and project
 - Science fair model
 - Formal presentations
 - Invite parents, Board of Ed, other teachers, other students



NSF Stipended Opportunity

- Engage Students in **Career Interest Projects**
- Access the **PIP Platform at No Cost**
- Participate in a **Pre-Post Survey**
- Receive a **\$500 Stipend**
- Learn More at www.skills21.org/cte

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Are There Any Questions?



Contact me!

Email: mervis@edadvance.org

LinkedIn: [linkedin.com/in/mattmervis/](https://www.linkedin.com/in/mattmervis/)

Website: skills21.org

Pip gallery: skills21.org/cte-gallery

Try out PIP: pip.skills21.org

In the Works Since 1956



'One of the most surprising and important stories of our time.'
Ashlee Vance, bestselling author of *Elon Musk*

Genius Makers

The Mavericks
Who Brought AI
to Google,
Facebook and
the World

'Colourful'
Financial Times

'Enlightening'
Washington Post

Cade Metz



For Your Listening Pleasure

