



Interactive Media & Web Design



LANCASTER COUNTY
CAREER & TECHNOLOGY CENTER



Welcome to Interactive Media & Web Design

Mr. Redcay

- *10 years with York Newspaper Co. as Creative Service Manager*
- *14 years with Engle Printing & Publishing as Creative Director & Composition Manager*
- *10 years with RedX Web Design as a Designer/Developer*





Why we offer Interactive Media & Web Design

- In 2024 – 68% of the world population had some sort of access to the internet.
- In 2024 - 91% of US Citizens own smart phones.
- In 2021 - 91% of US Businesses use some sort of social media.



What do all these facts have in common?





Why offer Interactive Media & Web Design

The one thing all these facts have in common is they require or involve Web Designers & Developers.

All the functions they serve, the data they display, the interactivity they create, is all done by a Web Designer and/or Developer.





Why offer Interactive Media & Web Design

In 2023, the software engineering industry faces a record-breaking shortage of professionals. This skills crisis has resulted in an astonishing 1 million tech job vacancies that still need to be fulfilled. Reports suggest that the number of US job vacancies, due to a lack of talent, will reach 85.2 million by 2030.

- US Bureau of Labor Statistics



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What we cover in Interactive Media & Web Design

- We design, build & maintain websites.
- We design, write and edit web page content using code and web management tools, including web animation and video.
- We create content and manage client relations.





What we learn in Interactive Media & Web Design

Coding languages like HTML, CSS, and JavaScript.

We learn mobile design and CMS
(content management systems)

Industry standard software: Photoshop, Illustrator, InDesign,
Sketch, Premiere Pro, Visual Studio Code and much more.



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At LCCTC we learn by doing.

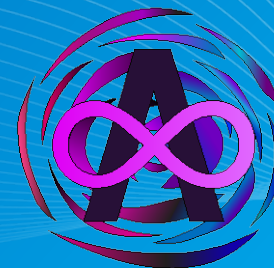
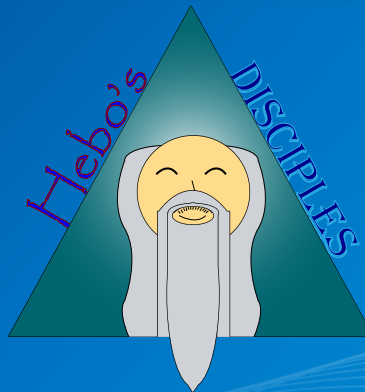
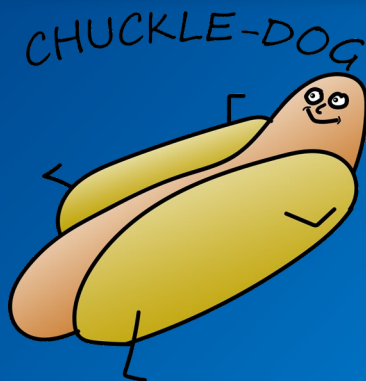
We do numerous projects geared to Web Design, like:

- Logo Design
- Promotional Design
- Animated GIFS
- Web Banners
- Business Proposals
- Site mapping
- Style Guides
- Mobile Design
- Wireframing
- Sketch digital prototype
- HTML/CSS Coding
- Video Editing & Production
- Custom Website Creation
- Social Media
- SEO Strategy
- UX/UI Design





Design - Band Logos



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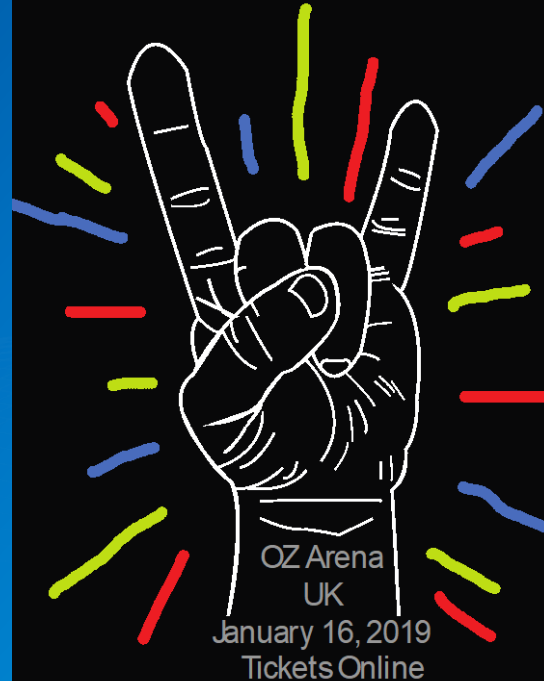
Design - Band Posters

Idiot Identity

Hershey Park Stadium
11/10/18
7:00 pm
Tickets Online



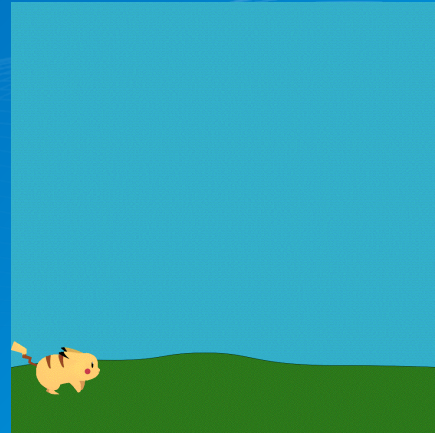
Idiot Identity



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Animated GIFs





Design – Web Banners



Large Rectangle: 336x280



Medium Rectangle: 300x250



Half Page: 300x600





Medium Rectangle: 300x250



Large Rectangle: 336x280



Leaderboard: 728x90



Half Page: 300x600

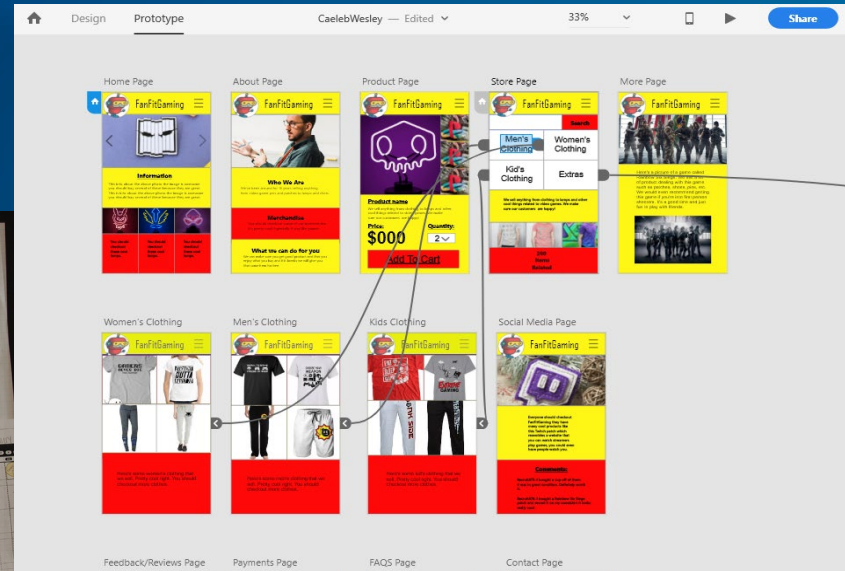
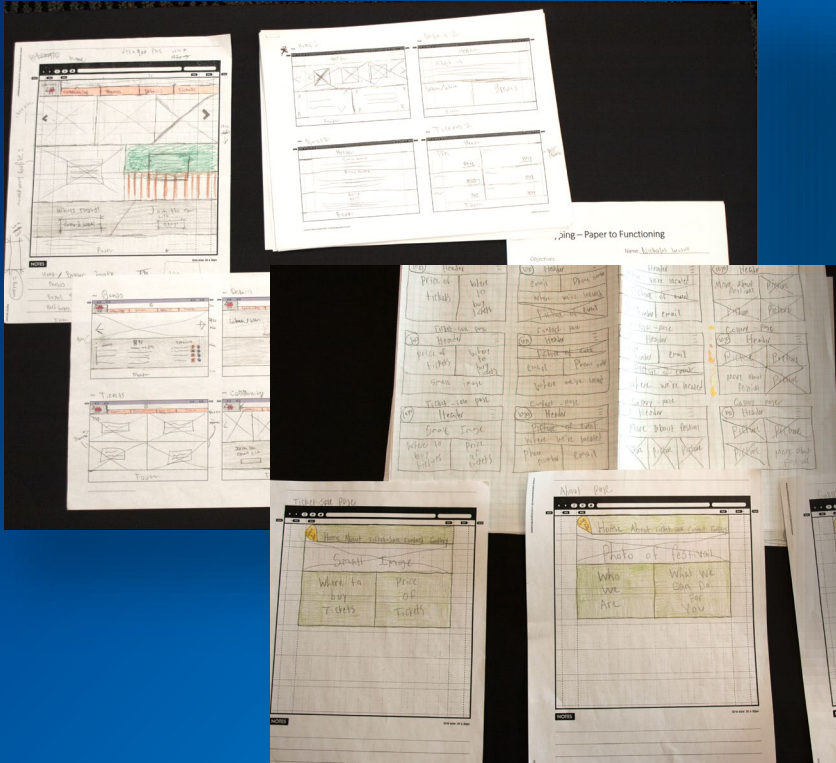


Business Proposal - Music Fest



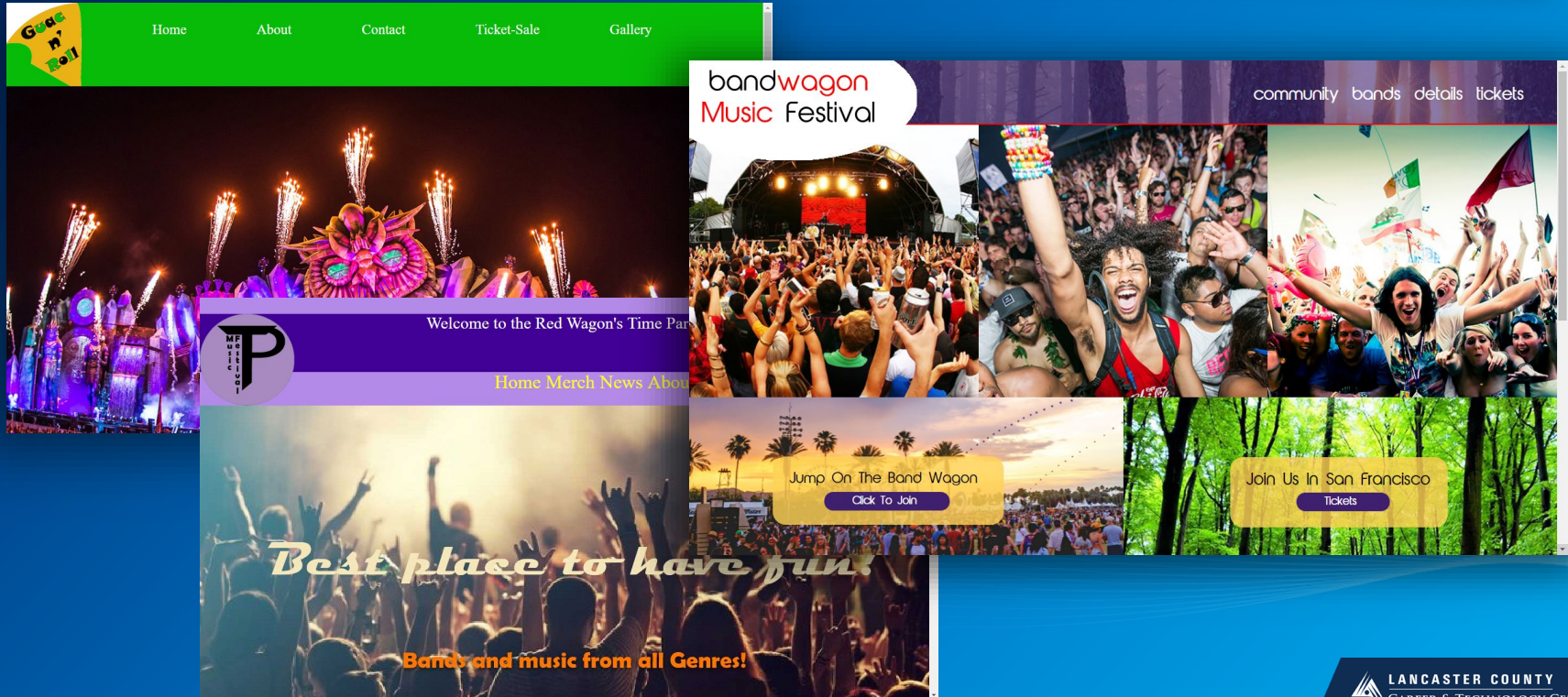


UI/UX Web Design - Wireframing & Prototyping





UX/UI Web Design – Music Fest Website





Coding Development & Content Management

File Edit Selection Find View Goto Tools Project Preferences Help

Index2.html x

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title> Band Wagon Music Festival </title>
6   <link rel="shortcut icon" href="HomePage/BandWagonIcon.jpg">
7   <link type="text/css" rel="stylesheet" href="bandwagon.css">
8 </head>
9 <body>
10   <header class="headertop">
11     <div id="logo"></div>
12     <div id="bannerhead">
13     </div>
14
15   <nav id="topnavigation">
16     <ul>
17       <li><a href="TicketsPage/TicketsPage.html"> tickets </a>
18       <li><a href="DetailsPage/DetailsPage.html"> details </a>
19       <li><a href="BandPage/BandPage.html"> bands </a> </li>
20       <li><a href="CommunityPage/CommunityPage.html"> commu
21     </ul>
22   </nav>
23 </header>
24
25   <section>
26     <div class="image1">
27       
28     </div>
29     <div class="image1">
30       
```



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Program Goals and Objectives

Goal of the LCCTC Interactive Media & Web Design class:

- Web Development
- Multimedia Artist
- UX/UI Designer
- Web Coding/Programming
- Web Administrator
- Content/Project Managers
- App and Mobile Development
- College and Technical Schooling





Certifications

NOCTI CERTIFICATION

Student will take a test for a PA Skills Certification administered by NOCTI. It is in two parts, an online knowledge test and hands-on performance test.

If a student scores advanced on both parts of this test, they will receive a Pennsylvania Skills Certificate in Web Design.





Certifications

CAREERSAFE OSHA & INTERVIEW:

Student complete two online training lessons through CareerSafe.

CODEHS WEB DESIGN:

Students complete a PDE recognized online certification thru CodeHS.



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Syllabus

(SEE HANDOUT)



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Grading

ALL STUDENTS ARE GRADED IN THREE PARTS

- **SKILLS – PDE Assigned Task List**
- **KNOWLEDGE – Teacher Developed Syllabus**
- **WORK ETHICS – Attendance & School Assigned Rubric**





Grading

HOMEWORK:

If they manage their time wisely, in most cases they will not have homework.

TAKING LAPTOP HOME:

special circumstance that would require a student to work on an assignment or project outside of school, a request must be made in advance and approved before the laptop will be allowed to leave the classroom. There is a required insurance fee that must be paid prior to using the laptop outside of the classroom.





Grading

The screenshot shows the website for Lancaster County Career & Technology Center. The header includes a search bar and navigation links for Current Students and Faculty & Staff. The main navigation menu lists OUR PURPOSE, ACADEMICS, ADMISSIONS, and CAMPUSES, with a MORE option. The main content area features a 'FIND IT HERE' section with a paragraph about resources for current students and parents. Below this, a notice for LCCTC Parents mentions the eSD Parent Portal. At the bottom, two buttons are visible: 'PARENT PORTAL' and 'VIEW PARENT PORTAL REGISTRATION INSTRUCTIONS', both of which are circled in red. To the right of the text is a photograph of students in a classroom setting.

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CENTER

Search... Q Current Students Faculty & Staff

OUR PURPOSE ACADEMICS ADMISSIONS CAMPUSES MORE

FIND IT HERE

From ordering uniforms to transferring credits, below you'll find a range of resources for current students and parents.

**** Attention LCCTC Parents – Please follow the instructions below to register for our eSD Parent Portal! Registration is highly important for accessing grades, discipline records, progress reports, attendance records, letters home, report cards, and various other documents.**

PARENT PORTAL VIEW PARENT PORTAL REGISTRATION INSTRUCTIONS

PARENT PORTAL

<https://parents.csiu-technology.org/LancasterCTC>

SEE HANDOUT

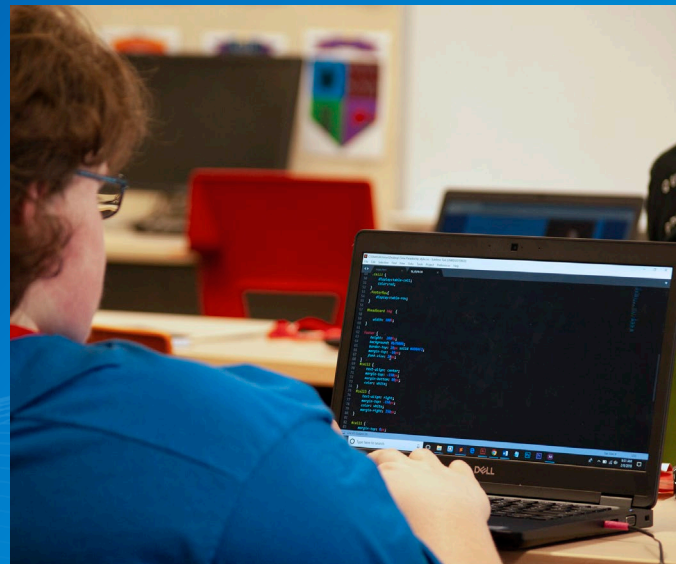


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Support Services

- IU13 Staff
- ESL Staff
- Campus Counselor





Student Organizations

SKILLS USA:

SkillsUSA provides educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms.

NATIONAL TECHNICAL HONOR SOCIETY:

NTHS helps schools recognize students for their achievement in career and technical education. Members receive a membership certificate in a professional presentation portfolio.

COMING SOON – CTC Hawks eSports Teams



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Classroom Information

WORK AREAS & STORAGE:

All students will be assigned a workstation, work space and in-class bin to do and store their work for the school year.

Due to the limited space in our classroom backpacks and jackets will be placed in lockers.

Your work space is expected to be neat and organized since we share space with each other.





Classroom Information

CELL PHONES:

All cell phones will be powered off and stowed the students locker. They can be retrieved at lunch and at the end of the day.

HEADPHONES:

Headphones are permitted with permission during work times, but never during lectures. The volume must be kept at a reasonable level not to both others who are working.





Classroom Information

COMPUTER USAGE:

School workstations are to be used for learning and projects only. **NO UNAPPROVED SOFTWARE CAN BE INSTALLED OR ACCESSED** (ex: Discord)! Students assigned workstations and accessories are their responsibility and if damaged will be there responsibility to cover the cost of repair. Insurance will be offered please take advantage of this option!

INTERNET USE:

The internet is to be used for learning and projects only. Internet usage and traffic is monitored and no **UNAPPROVED** access is permitted (ex: YouTube, Music Sites, Gaming Sites)!





Classroom Information

FOOD & DRINKS:

No food or drink is permitted in the classroom or near workstations, without prior approval! The only exception is a personal water bottle the must have a sealable lid, NO EXCEPTIONS.

ABSOLUTELY NO OPEN CONTAINERS or CANS for any reason!





Classroom Information

SCHOOL UNIFORM:

All students are required to wear their school uniform at CTC. Uniform are Indigo blue CTC t-shirt, black pants and closed-toe shoes.





Classroom Information

PERSONAL HYGIENE:

The classroom is just like working in an office environment. And in that kind of work space personal hygiene is important. Students person and clothing are expected to be clean and laundered on a regular basis. If this becomes an issue at any time a student will be pulled aside and sent to the nurse.





Tools & Technology

LAPTOPS - Apple Macbook AIRs

SOFTWARE - Adobe Creative Suite/MS office/Google

VIDEO EQUIPMENT - Canon XA11 & Extra Monitors & TV's

VR HEADSETS & DRONES – Meta Quest 3 & DJI Air3 & Mini4

DOMAINS & HOSTING - 4 domains & hosting just for our class

ONLINE LEARNING – Google Classroom/Canvas/CodeHS





Drivers vs Bus Riders

DRIVERS:

By 8:00am and will be dismissed at 2:35pm.
Permission form and parking permit.

RIDERS:

By 8:00am and will be dismissed at 2:35pm.
Permission form and parking permit.

BUS RIDERS:

Bus Riders will arrive and leave based on their schools busing schedule.





Tardy/Late Arrivals/Early Departures

All students who are tardy, arrive late or leave early, must enter and exit through the main office.

No student is permitted to leave school premises without permission and prior approval from administration.

NO student may leave via a LYFT or UBER for any reason!





First Day

We will keep it simple and let everyone settle into there new space.

- We will do introductions
- Fill out paperwork
- Review the rules of the school and classroom
- We will discuss schedules
- Tour the school and classrooms
- Assign lockers
- Team building exercise





Questions?



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