

# DIRECTIONS

3

WORKSHOP 3  
CODING

## WHAT YOU'LL NEED

- \* DEVICE FOR WATCHING THE VIDEO + WIFI CONNECTION
- \* DOWNLOAD AND PRINT VISION SHEETS
- \* DEVICE FOR ACCESSING THE WEB  
(DESKTOP, LAPTOP, TABLET OR SMART PHONE)

## HOW TO GET READY FOR THIS WORKSHOP

### 1. GET ALL YOUR SUPPLIES:

- COMPUTER, TABLET, OR SMART PHONE (TO WATCH THE VIDEOS AND TO CODE!) + WIFI CONNECTION
- DOWNLOAD AND PRINT VISION SHEETS

### 2. FIND A QUIET PLACE TO WATCH VIDEOS OR WEAR HEADPHONES :)

- ### 3. VISIT [MAKESHOPDESIGNLAB.ORG](https://makeshopdesignlab.org), CLICK ON “CHECK OUT OUR SUMMER 2020 DIGITAL WORKSHOPS” AND WATCH THE MAKESHOP APPALACHIA VIDEO FOR WORKSHOP 03

## WHAT YOU'LL WALK AWAY WITH

- ✌ A NEW SKILL: BASIC CONCEPTS OF CODING
- ✌ CRITICAL THINKING SKILLS
- ✌ CONFIDENCE IN WORKING WITH WEB TECHNOLOGIES



# MAKE SHOP APPALACHIA



TIME TO DESIGN AND DREAM  
AND BUILD OUR OWN FUTURE.



TRYING SOMETHING THAT HASNT BEEN DONE YET  
HERE IN OUR VERY OWN WEST VIRGINIA HOMETOWN.  
THE MAKESHOP ENTREPRENEURSHIP WORKSHOPS  
BY MESH DESIGN AND THE BOYS AND GIRLS CLUB



WORKSHOP 3: INTRO TO CODING

TECHNOLOGY  
IS BEST  
WHEN IT  
BRINGS  
PEOPLE  
TOGETHER.

MATT MULLENWEG

# WHAT DO YOU THINK YOU COULD HELP WITH OR RESOLVE BY USING THE INTERNET?

## The Plan

1. What is the Internet? What is Coding?
2. Tynker 101
  - Getting Started with Tynker
  - Creating an account on Tynker
  - Accessing Tynker for Boys & Girls club
  - Joining the class and accessing the modules
3. Programming 100
4. Programming 300
5. Hour of Code: Candy Quest
6. Hour of Code: Freestyle
7. Following Up

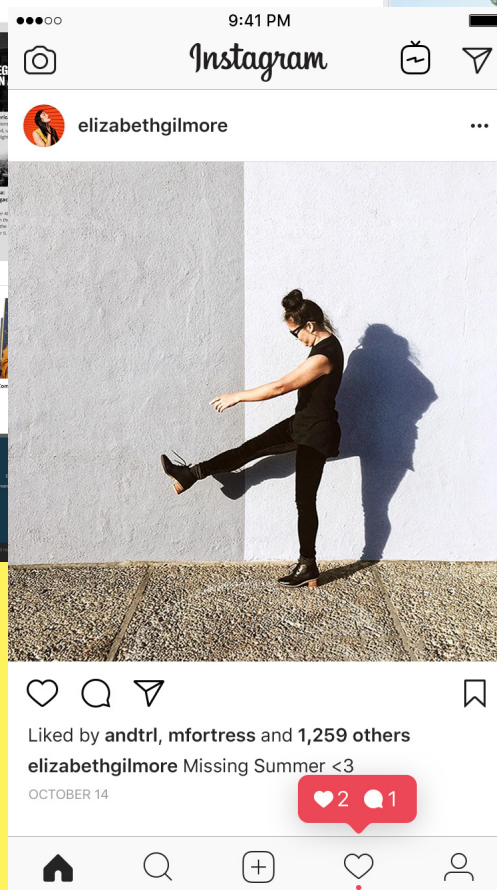
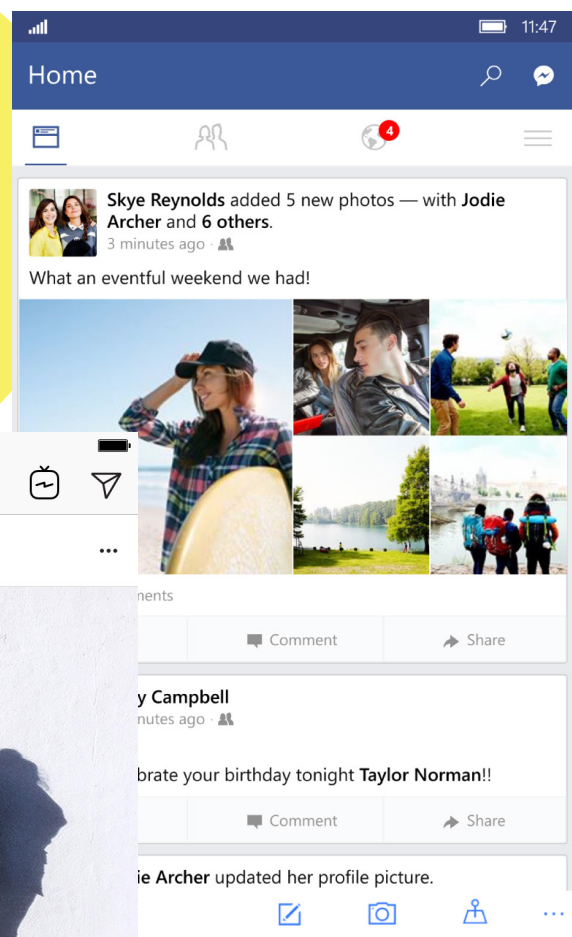
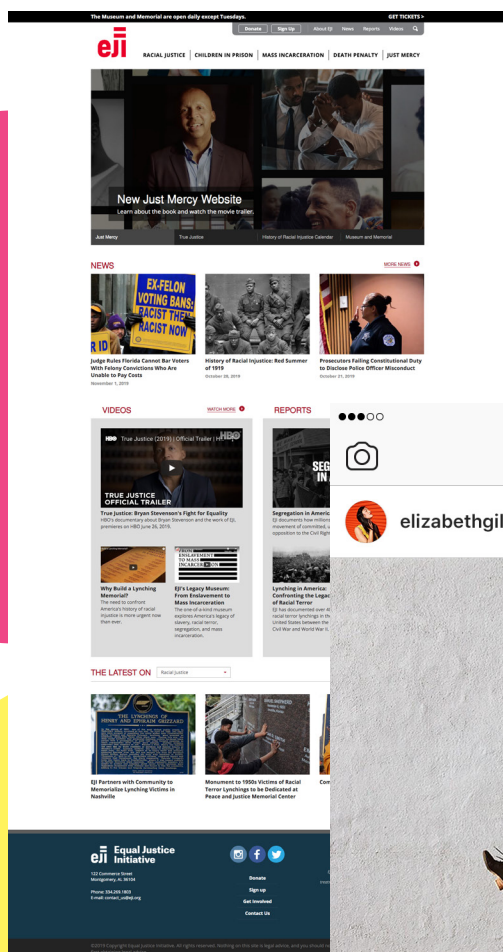
### Activities:

- × Introduction to the Internet
- × Introduction to Code
- × Introduction to Tynker
- × Working with Tynker
- × Problem-solving

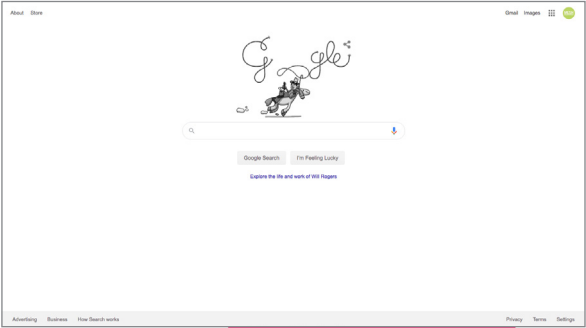
### Learning Objective:

- × Critical Thinking
- × Basic coding principles
- × Creative problem solving
- × Coding Confidence
- × Positive reinforcement

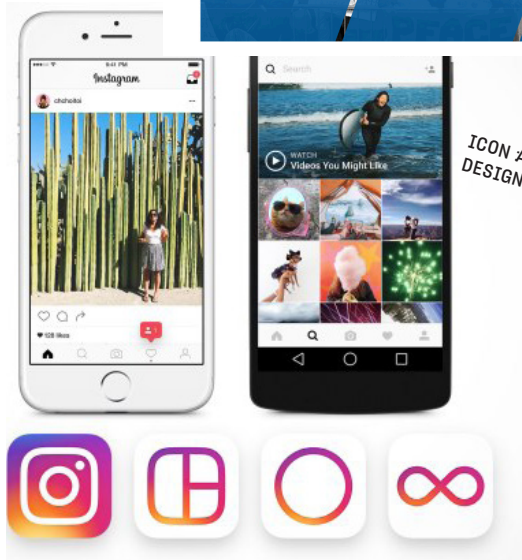
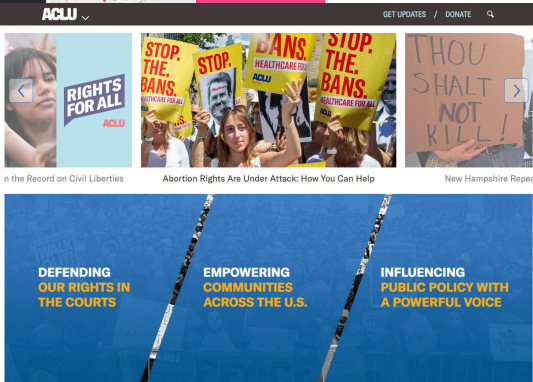
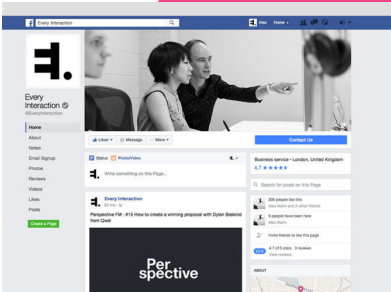
# WHAT KIND OF THINGS CAN WE MAKE ON THE INTERNET?



SOCIAL MEDIA DESIGN  
AND WEBSITE DESIGN



SOCIAL MEDIA DESIGN  
AND WEBSITE DESIGN



ICON AND APP  
DESIGN



# GETTING STARTED WITH TYNKER

**TO GET STARTED, WE'LL NEED TO LOG INTO AN ACCOUNT ON TYNKER. FOLLOW THE DIRECTIONS BELOW TO GET STARTED!**

**1. Go to <https://tynker.com> and Log in:**

→ **If you're in the Boys and Girls program, we've created accounts for you.**

1. Click the get **Sign In** button
2. Click the **Student** button
3. Put in your **User Id**:  
your initials + 1234 (example: sd1234)
4. Put in your Password:  
your initials + 5678 (example: sd5678)

→ **Once you're logged in,**  
Find the Workshop classes  
by clicking **My Classes**

→ **If you're not in the Boys & Girls program, you can create an account for yourself.**

1. Click the **Start for Free** button
2. Click the **Student** button
3. Create an account for yourself

You'll need an email address, so if you have one Great!,  
*once your account is created, you'll need to check your email account for an email from Tynker that will provide you with some steps to verify your account*

**If you don't have an email address, No Problem!**  
*Approach an adult in your life to help you sign up for an email account, or ask if they are willing to let you use their account to help you with verifying your Tynker account.*

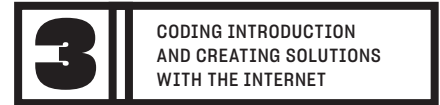
**4. Join the class in Tynker**

Click your Avatar in the top left corner of your dashboard.  
Click the Join A Class link.  
Our class ID is: 30655969



## **FOLLOW UP**

# **NOW THAT WE HAVE COMPLETED THESE MODULES WE WOULD LIKE TO ASK....**



**1. What did you find easy?**

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**2. What did you think was difficult?**

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**3. What parts did you enjoy?**

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**4. What parts did you not enjoy?**

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**5. In your words, what do you think code is now?**

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**6. Do you think this will be useful to you?**

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**7. Do you think you could continue with coding in the future?**

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