Putting a STOP to Online Meanness

STOP Online Meanness <

1. What do you think happened? I think ...

NAME			
DATE			

Directions

Read the story below and then work with a partner to answer the questions that follow.

Jada's parents let her play on a website where she can take care of a pet pony and decorate its stall. Her friend Michael has played with her in the past and knows her username and password. One day Jada goes to the site to care for her pony. She finds that her pony's stall is a mess and that there are some things missing.

2. How do you think Jada feels? Why? I think Jada feels
3. What advice would you give Jada to respond to this situation? Remember S-T-O-P.



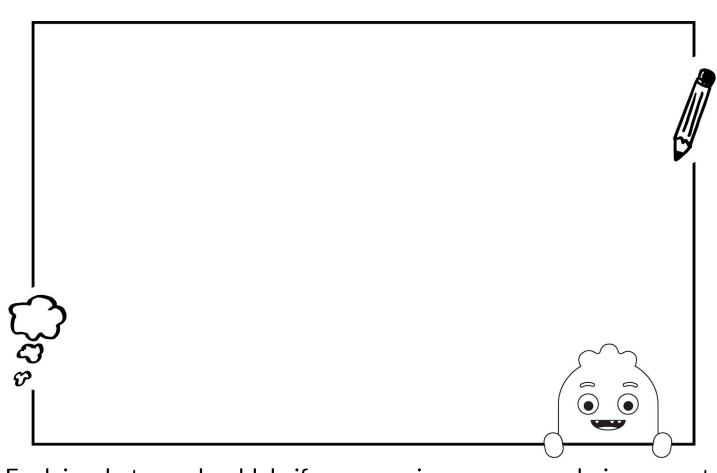


STOP Online Meanness \$

NAME			
DATE			

Pause & Think Moment

Draw a picture about what you should do if you experience someone being mean to you online.



Explain what you should do if you experience someone being mean to you online.





Password Power-Up

S	common	sense	education
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Uh-Oh! If ... Then Scenarios '

NAME			

DATE



Directions

- 1. In your "home" group, read your assigned scenario and discuss what could happen if a password were stolen. Jot down your group's answer, and then wait for the teacher's instructions to switch to your "expert" group.
- 2. In your "expert" group, take turns sharing your "home" group's response. Complete your handout by taking notes on what each presenter shares.

Scenario 1
Maya forgets her phone on the bus. IF someone found it and figured out her password to unlock it, THEN what could happen?
Scenario 2
Jared writes his email address in his notebook and leaves it open while he goes to the bathroom. IF someone saw his email address and figured out his email password, THEN what could happen?





Uh-Oh! If ... Then Scenarios 🕏

NAME			

DATE

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-JL.C	110	ıw	

Scenario 3
Kylie goes over to her friend Asia's house to play an online video game. After she leaves, her gaming profile is still saved. Asia's little brother, Ben, turns on the game and sees it. IF Ben figured out Kylie's password, THEN
what could happen?
what could happen:
Scenario 4
Thomas uses an app on his phone to pay bills from his bank account. IF someone figured out his password to the
app, THEN what could happen?
Scenario 5
Beatrix logs in to her doctor's website to see medical information about herself. IF someone figured out her
password to the website, THEN what could happen?



Uh-Oh! If ... Then Scenarios

NAME			

DATE



Directions

- 1. In your "home" group, read your assigned scenario and discuss what could happen if a password were stolen. Jot down your group's answer, and then wait for the teacher's instructions to switch to your "expert" group.
- 2. In your "expert" group, take turns sharing your "home" group's response. Complete your handout by taking notes on what each presenter shares.

Scenario 1

Maya forgets her phone on the bus. **IF** someone found it and figured out her password to unlock it, **THEN** what could happen?

14 someone tigured out her phone-unlock password, then they could see her messages, use her
apps, and pretend to be her.
Scenario 2
ared writes his email address in his notebook and leaves it open while he goes to the bathroom. IF someone aw his email address and figured out his email password, THEN what could happen?
IF someone figured out his email password, THEN they could see private emails he has sent and
received, and they could pretend to be him online.



Ø	common	sense	education

Uh-Oh! If ... Then Scenarios 🚄

NAME			

DATE

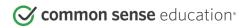
_				_
Sc	en	aı	ric	١3

Kylie goes over to her friend Asia's house to play an online video game. After she leaves, her gaming profile is still saved. Asia's little brother, Ben, turns on the game and sees it. IF Ben figured out Kylie's password, THEN

what could happen?
IF Ben figured out her video game password, THEN he could pretend to be her online and hurt her
reputation.
Scenario 4
Thomas uses an app on his phone to pay bills from his bank account. IF someone figured out his password to the app, THEN what could happen?
IF someone figured out his banking password (and username), THEN they could steal money from
his account.
Scenario 5
Beatrix logs in to her doctor's website to see medical information about herself. IF someone figured out her password to the website, THEN what could happen?
IF someone figured out her website password, THEN they could find out private health and medical
Information about her.







Power Up Your Password 🗧

NAME			
OATF			

Directions

Follow the steps to create your own strong password.

Practice Round

1. Start with a phrase . Think of a quote or group of words that will be easy to remember.	Example: There's no way I'm kissing a frog.
2. Write down just the first letter of each word in the phrase.	
3. Capitalize some of the letters.	
4. Add one or two memorable numbers .	
5. Memorize it. Repeat your new password in your head so it sticks.	

Your Turn

1.	Start with a phrase . Think of a quote or group of words that will be easy to remember.	
2.	Write down just the first letter of each word in the phrase.	
3.	Capitalize some of the letters.	
4.	Add one or two memorable numbers .	
5.	Memorize it. Repeat your new password in your head so it sticks.	

Password Tips to Remember				
L.	Start with a memorable			
L	Only your should know your password.			
S.	Never use any identity information in your password.			
S.	Create passwords with at least characters.			
L	Use letters, numbers, and in your password.			



Power-Up Your Password <

NAME			
DATE			

Directions

Follow the steps to create your own strong password.

Practice Round

 Start with a phrase. Think of a quote or group of words that will be easy to remember. 	Example: There's no way I'm kissing a frog.
2. Write down just the first letter of each word in the phrase.	tnwikaf
3. Capitalize some of the letters.	TnwiKaF (answers will vary)
4. Add one or two memorable numbers .	Tnwi44KaF (answers will vary)
5. Memorize it. Repeat your new password in your head so it sticks.	

Your Turn

Start with a phrase . Think of a quote or group of words that will be easy to remember.	answers will vary
2. Write down just the first letter of each word in the phrase.	answers will vary
3. Capitalize some of the letters.	answers will vary
4. Add one or two memorable numbers.	answers will vary
5. Memorize it. Repeat your new password in your head so it sticks.	

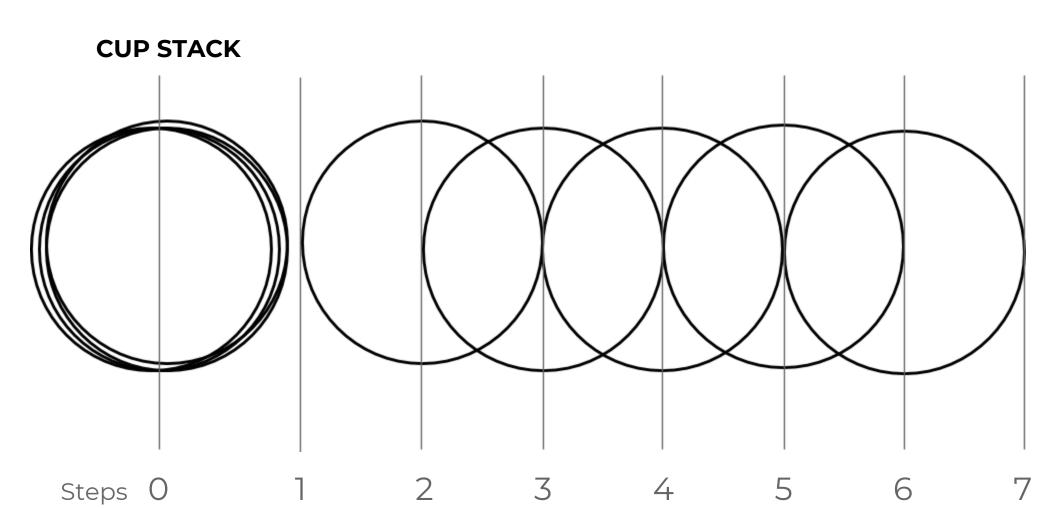
	Password Tips to Remember
L	Start with a memorable <u>phrase</u> .
L	Only your <u>parents</u> should know your password.
L	Never use any <u>private</u> identity information in your password.
L	Create passwords with at least <u>eight</u> characters.
₽	Use letters, numbers, and <u>symbols</u> in your password.



My Robotic Friends Jr.

Cup Spacing





Symbol Key







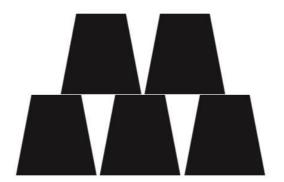


Step Forward

Step Backward

Cup Stack Ideas







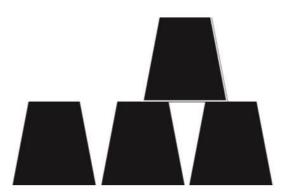




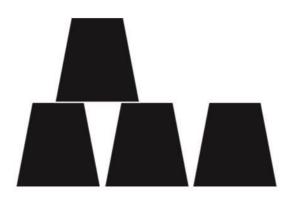
Cup Stack Ideas









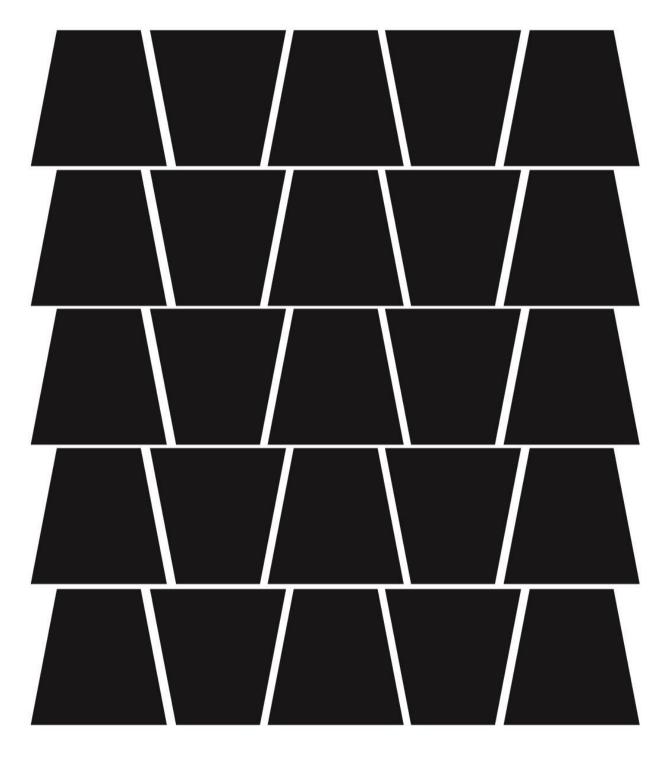


Paper Trapezoids



To cut quickly:

First cut in horizontal strips, then snip along lines to make trapezoids.



Programming with Angry Birds

Debugging in Maze

Lesson Recommendations



Main Activity Notes

Teachers play a vital role in computer science education and supporting a collaborative and vibrant classroom environment. During online activities, the role of the teacher is primarily one of encouragement and support. Online lessons are meant to be student-centered, so teachers should avoid stepping in when students get stuck. Some ideas on how to do this are:

- Utilize pair programming whenever possible during the activity.
- Encourage students with questions/challenges to start by asking their partner.
 - Unanswered questions can be escalated to a nearby group, who might already know the solution.
- Remind students to use the debugging process before you approach.
- Have students describe the problem that they're seeing. What is it supposed to do? What does it do?
 What does that tell you?
- Remind frustrated students that frustration is a step on the path to learning, and that persistence will pay off.
- If a student is still stuck after all of this, ask leading questions to get the student to spot an error on their own.

Teacher Tip:

Show the students the *right* way to help classmates:

- Don't sit in the classmate's chair
- Don't use the classmate's keyboard
- Don't touch the classmate's mouse
- Make sure the classmate can describe the solution to you out loud before you walk away

Collecting Treasure with Laurel

Creating Art with Code

120°

Right Turn

72°

Right Turn

45°

Right Turn

60°

Right Turn

72°

Left Turn

Turns & Angles

in Regular Polygons



60°

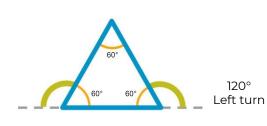
Left Turn

36°

Left Turn



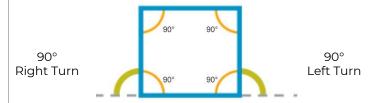
(**3** sides)



Each turn is $360^{\circ} / 3 = 120^{\circ}$ Each angle is 180° - **120°** = **60°**

Rectangle

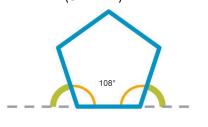
(4 sides)



Each turn is $360^{\circ} / 4 = 90^{\circ}$ Each angle is 180° - **90°** = **90°**

Pentagon

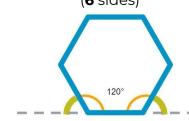
(**5** sides)



Each turn is 360° / 5 = 72° Each angle is $180^{\circ} - 72^{\circ} = 108^{\circ}$

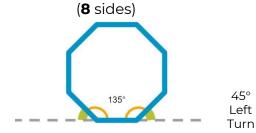
Hexagon

(6 sides)



Each turn is 360° / **6** = 60° Each angle is $180^{\circ} - 60^{\circ} = 120^{\circ}$

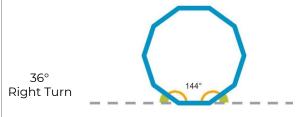
Octagon



Each turn is 360° / 8 = 45° Each angle is 180° - **45°** = 135°

Decagon

(**10** sides)



Each turn is 360° / 10 = 36° Each angle is $180^{\circ} - 36^{\circ} = 144^{\circ}$

Binary Bracelets

Binary Bracelets



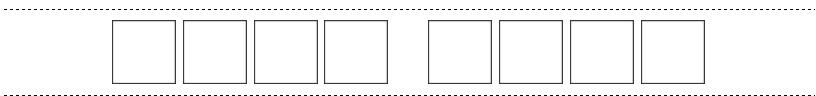
Binary Decoder Key

Letter	Binary	Letter	Binary
Α		N =	
В		0	
С		P •	
D		Q	
E		R •	
F		S	
G		Τ ■	
Н		U	
I		V •	
J		W	
K		X	
L		Y	
M		Z	

Find the first letter of your first name.

Fill in the squares of the bracelet below to match the pattern of the squares next to the letter that you found.

Cut the bracelet out and tape it around your wrist to wear it!



Binary Bracelets

Binary Decoder Key

Letter	Binary	Letter	Binary
Α		N	
В		0	
С		P	
D		Q	
Ε		R	
F		S	
G		T	
Н		U	
- 1		V	
J		W	
K		X	
L		Υ	
М		Z	

Can you figure out what the message says?

 Write the message here!

Binary Bracelets

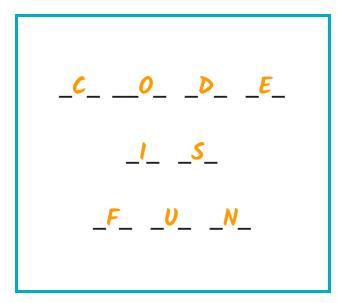
Binary Decoder Key



Letter	Binary	Lette	r Binary
Α		N	
В		0	
С		Р	
D		Q	
Е		R	
F		S	
G		Т	
Н		U	
- 1		V	
J		W	
K		X	
L		Υ	
M		Z	

Can you figure out what the message says?

Write the message here!



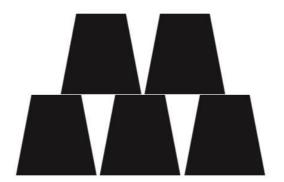
TEACHER KEY

Binary Bracelets Binary Decoder Key

My Loopy Robotic Friends Jr.

Cup Stack Ideas







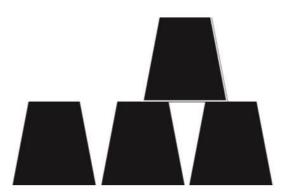




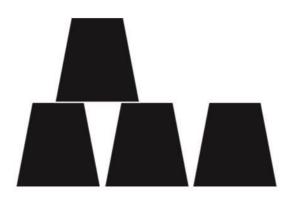
Cup Stack Ideas





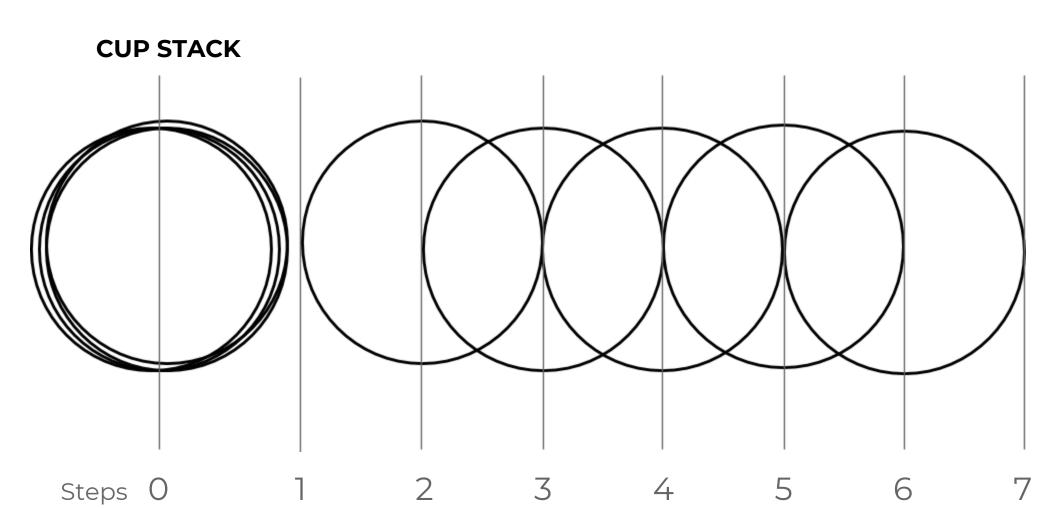






Cup Spacing





Symbol Key









Step Forward

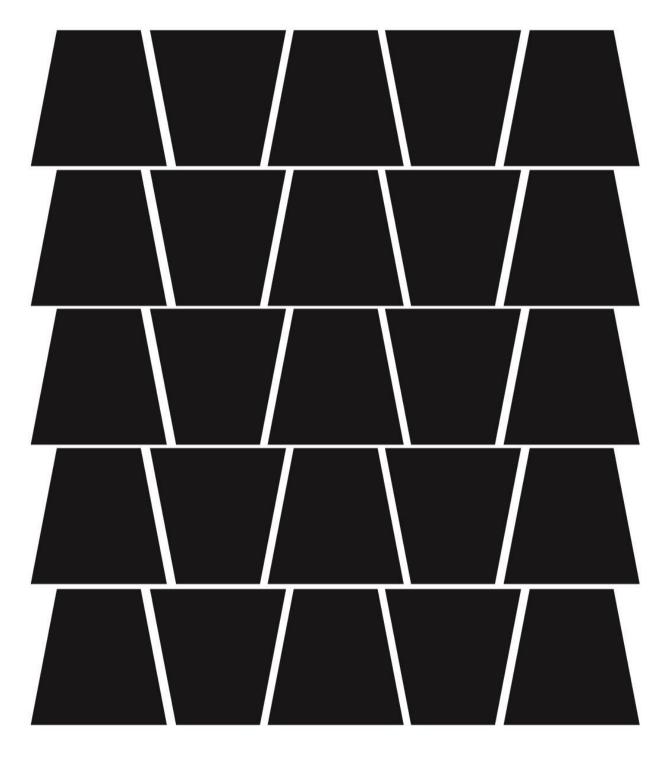
Step Backward

Paper Trapezoids



To cut quickly:

First cut in horizontal strips, then snip along lines to make trapezoids.



Loops with Rey and BB-8

Harvesting Crops with Loops

Looking Ahead with Minecraft

Sticker Art with Loops

The Big Event

The Big Event (Course C) Event Controller





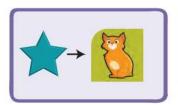
Name(s)______ Period _____ Date _____

The Big Event

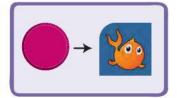


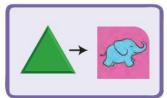
You've been given a magical controller that changes the picture on the frame on your desk. Take a look below to see what each button does. Can you figure out which series of button events will cause your frame to show the pictures on the right?

Draw a line from each set of pictures to the button combination that causes it. The first one has been done for you.







































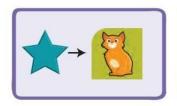


The Big Event

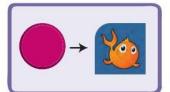


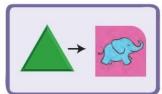
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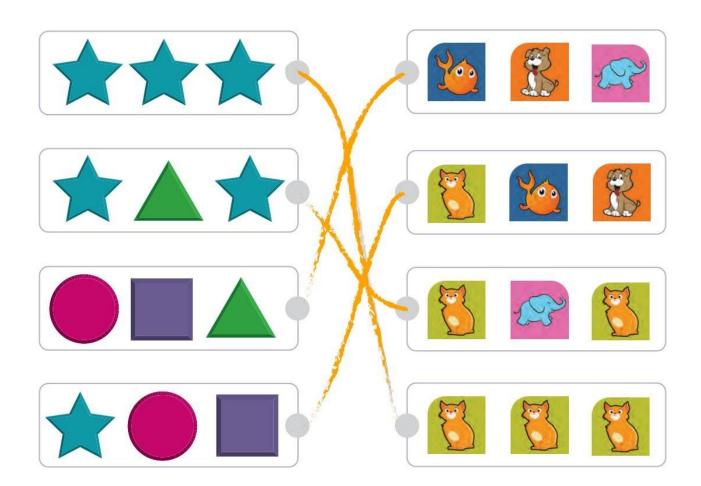
Draw a line from each set of pictures to the button combination that causes it. The first one has been done for you.











Build a Flappy Game

The Big Event (Course C) Event Controller





Chase Game with Events

Picturing Data

End of Course Project

Play Lab Project Planning Guide

You are going to create your own game using Play Lab.

1. Draw a star next to the actor that will be the player or hero. Circle all the other actors that will be in your game.



















































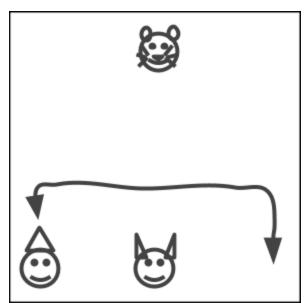




2. What is the setting of your game? Where will it take place? ____*Outside on the*

grass

3. Draw your actors.
Use arrows to show how they will move.



4. How will the player score points or win the game?

You get a point when you get the dog.

5. How will the player lose points or lose the game?

You lose if you touch the witch.

Play Lab Project Planning Guide

You are going to create your own game using Play Lab.

1. Draw a star next to the actor that will be the player or hero. Circle all the other actors that will be in your game.



- 3. Draw your actors.
 Use arrows to show how they will move.

4. How will the player score points or win the game?

5. How will the player lose points or lose the game?