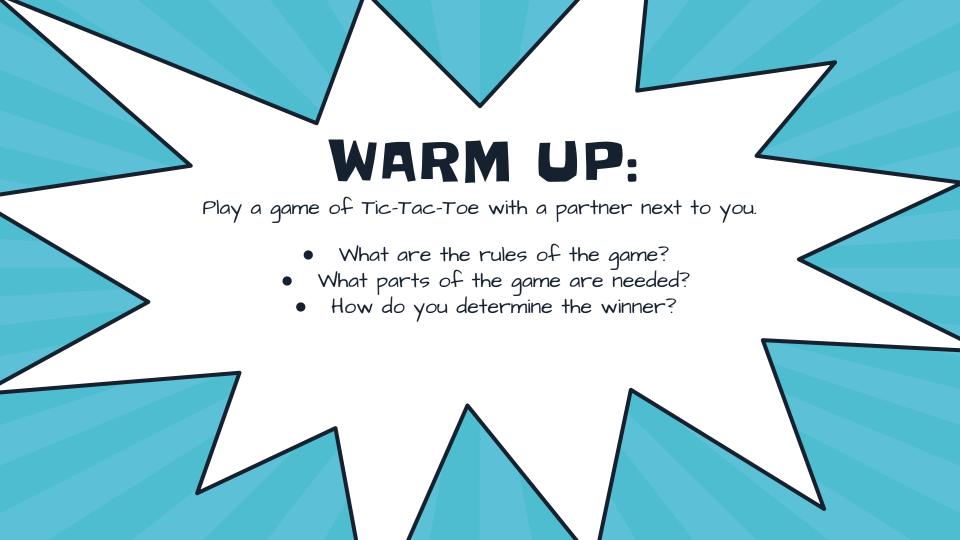


LO: IWBAT to use P5-JS to create my very own first program.



Unit Plan



Game Based

By the end of this unit, you will be able to create a game like Tic-Tac-Toe on your device.

P5-JS

We will be programming in Javascript with an online editor known as P5-JS.







P5-JS Setup

01 Sign Up

Click Sign up on top right corner

04

Title

Click the pen button next to the title and change the title to "Introduction"

02

Login

Click Login with Google

05

Save

Click file and then save.

03

Google

Choose your School Google account o log in with

06

Questions

Ask any questions if you have issues setting this up.

Hello World

One of the very first programs that programmers create is a printout of "Hello, World!"

We will do just that in Javascript.

- 1. Delete all the current code on the screen.
- Type in the following:
 a. document.write('Hello, World!');
- 3. You should see a line of text that says "Hello, World!"
- 4. Congrats! You have created your 1st program



Comments

One of the best practices in coding is commenting your code, so that you and others can read very quickly what those lines of code do.

To do so, use "//"

Please comment out your code for "Hello, World!"





// the hello world program
document.write('Hello, World!');

Variables

A variable is a named location that stores a value.

Values may be numbers, text, images, sounds, and other types of data. To store a value, you first have to declare a variable.

All JavaScript variables must be identified with unique names.

These unique names are called identifiers.

Identifiers can be short names (like x and y) or more descriptive names (age, sum, totalVolume).

JavaScript variables can hold numbers like 100 and text values like "John Doe".

Strings are written inside double or single quotes. Numbers are written without quotes.



Variable Example



```
var pi = 3.14;
var person = "John Doe";
var answer = 'Yes I am!';
```

Name

Store your first name as "firstName" and last name as "lastName"

Print

Print your first and last name on separate lines. Use "
br>" for a new line.

```
sketch.js*
                                Saved: 5 minutes ago
                                                   Preview
                                                   Hello, World!
                                                   Big
   // the hello world program
                                                   Mac
   document.write('Hello, World!' + "<br>");
                                                   Big Mac
   //Name
   var firstName = "Big";
   var lastName = "Mac";
    document.write(firstName +"<br>");
   document.write(lastName +"<br>");
   //Concatenation
   var name = firstName + " " + lastName;
12 document.write(name);
```



Exit Ticket

Biography

Using all the skills we learned today (variables, strings, print statements, comments, and concatenation). Write a brief summary about yourself. This could include:

- Age
- History
- Hobbies
- Likes/dislikes
 - etc