Week 3 Research

**Select five methods that can be used on an Array and describe the following for each: 1) what the method signature is, 2) what the method does, and 3) why would this method be useful (how could you use it)?**

Five methods discussed in class Wednesday were map, reduce, pop, push, splice.

Array.map preforms functions on each element and returns a new array.

You could use this method to change the value of all numbers in an array. If I needed to at 5 to all numbers is an array.

Array.reduce preforms a function on each element and returns a value.

This would be useful if you needed to add all the values in an array and return the sum.

Array.pop remove the last element from an array and returns it.

You could use pop if you need to sort an array and remove the highest number.

Array.push adds a new element to the end of an array and returns new length.

If you needed to add a new name or number to an existing array push could be used.

Array.splice changes array by removing or replacing existing elements.

Splice could be used to insert a new name or replace an existing new in an array.

**What is the difference between == and ===?**

== is used to compare two variables and ignores the datatype.

=== is used to compare the variables and datatype.

Information from:

<https://developer.mozilla.org/>

My class notes.