**Download Your Daily Notes**

**My own views on Javascript**

 JavaScript is an important programming language for several reasons:  
  
Web development: JavaScript is primarily used to create dynamic and interactive web pages, and is an essential part of modern web development. It is used to create everything from basic animations and interactive forms to complex web applications.  
  
Front-end development: JavaScript is the primary language used for front-end development, which involves creating the user interface and functionality that users interact with in a web application. Front-end developers use JavaScript to create responsive and dynamic user interfaces, and to communicate with back-end servers and APIs.  
  
Back-end development: JavaScript is also used for back-end development, which involves creating the server-side logic and database interactions that power web applications. JavaScript frameworks such as Node.js have made it possible to use JavaScript on the back-end, and have increased the popularity and versatility of the language.  
  
Popularity and demand: JavaScript is one of the most popular programming languages in the world, and is used by millions of developers and companies. Learning JavaScript can open up many career opportunities and make you a more versatile and in-demand developer.  
  
Easy to learn: Compared to other programming languages, JavaScript is relatively easy to learn and has a low barrier to entry. This makes it a great choice for beginners who are just starting out in programming.  
  
Overall, learning JavaScript is important for anyone interested in web development or programming in general. It is a versatile and powerful language that can help you create dynamic and interactive web applications, and can open up many career opportunities in the technology industry.  
  
JavaScript is a versatile programming language that can be used for a wide range of tasks and applications, including:  
  
Web development: JavaScript is primarily used for web development, and is used to create dynamic and interactive web pages, front-end user interfaces, and back-end server-side applications.  
  
Web applications: JavaScript frameworks like React, Angular, and Vue are widely used to create complex web applications with rich user interfaces.  
  
Mobile applications: JavaScript can be used to develop mobile applications for iOS and Android platforms using frameworks like React Native and NativeScript.  
  
Desktop applications: JavaScript can also be used to create desktop applications using tools like Electron and NW.js.  
  
Games: JavaScript is used to create browser-based games, as well as game engines like Phaser and Pixi.js.  
  
Internet of Things (IoT): JavaScript can be used for IoT development using platforms like Johnny-Five and Tessel.  
  
Automation: JavaScript can be used for automation and scripting tasks, such as automating web browsers using tools like Puppeteer and Cypress.  
  
Machine learning: JavaScript can be used for machine learning applications, including neural networks and deep learning, using libraries like TensorFlow.js and Brain.js.  
  
Overall, JavaScript is a versatile and widely-used language that can be used for a wide range of applications and industries. Whether you are interested in web development, mobile development, or machine learning, JavaScript can be a valuable tool in your programming toolbox.  
  
In JavaScript, a string is a sequence of characters that is used to represent text. Strings are one of the basic data types in JavaScript, along with numbers, booleans, and objects.  
  
In JavaScript, an array is a collection of values that can be stored in a single variable. Arrays are a fundamental data structure in JavaScript, and are used to store and manipulate collections of data, such as lists of names, numbers, or objects.

**Daily Notes - Javascript Basics**

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**My own views on Javascript**

 Stings can be used to record values that need to be held. For example, in terms of Mzamomtsha Primary School it could have been used to store the values for the Registration Page as well as the Contact Us Page.  
While Arrays could have been implemented to store the different categories of information together so that it could easily be called upon when needed.

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**Daily Notes - Activity 1 - Strings**

 In this activity I have learnt how to use different types of quotes to declare strings. I have also learnt shortcuts that are used for new lines, etc. basically string manipulation within a string.  
Lastly, I have learnt how to concatenate a string. This simply means using one string with multiple other strings to make one strings of text, etc.

**Daily Notes - Arrays**

 Objects allow you to store keyed collections of values. That’s fine.  
  
But quite often we find that we need an ordered collection, where we have a 1st, a 2nd, a 3rd element and so on. For example, we need to store a list of something: users, goods, HTML elements etc.  
  
It is not convenient to use an object here, because it provides no methods to manage the order of elements. We can’t insert a new property “between” the existing ones. Objects are just not meant for such use.  
  
There exists a special data structure named Array, to store ordered collections.  
  
syntax:  
  
let arr = new Array();  
  
let arr = [];

**Daily Notes - Activity 2 - Arrays**

 In this activity I have learnt how to make use of Arrays. I have learnt how to manipulate an array using certain function such as pop, shift, unshift and push.  
I have also learnt how to nest an array within an existing array.

**My Views on the Day**

 1. Learning how to manipulate strings and arrays using existing functions.  
  
2. Activity 1 and 2.  
  
3. None.  
  
4. None.

**Daily Notes - Day 2 Reflections**

 1. Learning how to manipulate strings and arrays using existing functions.  
  
2. Activity 1 and 2.  
  
3. None.  
  
4. None.