Grade	Unit	Unit Name	#	Summary	Objective
11	1	Git Collaboration	701	Forking Repositories	Demonstrate forking a repository to contribute to the parent project.
11	1	Git Collaboration	702	Fetch and Merge	Demonstrate how to fetch new commits from the upstream/origin and merge newer commits into local repository.
11	1	Git Collaboration	703	Submitting Pull Requests	Demonstrate requesting code from a forked project to be added to the parent project.
11	1	Git Collaboration	704	Committing to Pull Requests	Demonstrate editting a Pull Request after it has been submitted, but before it has been accepted.
11	2	Web Services	705	HTTP vs HTTPS	Differentiate between HTTP and HTTP Secure protocols.
11	2	Web Services	706	HTTP Requests	Idenitify parts of an HTTP request (Params, Header, Body) and explain what they are used for.
11	2	Web Services	707	HTTP Response Codes	Identitfy and explain the most common HTTP Response Codes.
11	2	Web Services	708	Send GET Requests	Send a GET request to a web server with at least one query parameter, and display the response in a web browser.
11	2	Web Services	709	HTTP Listen Server	Using software, create a web service that can receive HTTP requests and send responses.
11	2	Web Services	710	Handling GET Requests	In an HTTP server, create an endpoint that can read a chosen query parameter from a GET request, and alter the response according to the parameter value.
11	2	Web Services	711	Send POST Request	Using software, create a web service that can receive HTTP requests and send responses.
11	2	Web Services	712	HTML Form Data	Using an HTML form element, send a variety of body parameters in a POST request to a web server, and display the response in a web
11	2	Web Services	713	Handling GET Requests	In an HTTP server, create an endpoint that can read a variety of chosen body parameters from a POST request, and alter the response according to the parameter values.
11	2	Web Services	714	Routing Middleware	Demonstrate using a middleware module (such as ExpressJS) in an HTTP server to simplify handling a variety of endpoints.
11	3	Classes and Objects	715	objects with properties and me	Demonstrate creating an object and assigning properties and methods to it in one language
11	3	Classes and Objects	716	Object classes	Demonstrate how to create a object class and create new objects from in in one language.
11	3	Classes and Objects	717	Class constructors	Demonstrate how to design a constructor and use parameters to create new custom objects in one language.

11	3	Classes and Objects	718	Class inheritance	Demonstrate how to design classes that inherit methods and properties from other classes in one language.
11	4	Modules	719	Import Modules	Demonstrate how to import modules/libraries into an application in one language.
11	4	Modules	720	Use Modules	Demonstrate how to use methods of an imported module in a program in one language.
11	4	Modules	721	Create Modules	Demonstrate how to create a module/library and how to import modules/libraries into an application in one language.
11	5	Intermediate Design	722	Table Element	Use the table, tr, and td elements to create a grid table and populate it with information.
11	5	Intermediate Design	723	Columns and Rows	Use the table, tr, and td elements and their colspan and rowspan properties to create complex tables and populate them with information.
11	5	Intermediate Design	724	Table Styling	Demonstrate using CSS id's and classes, to style headers and alternating rows/columns.
11	5	Intermediate Design	725	Division Elements	Demonstrate partioning page contents into dividing layers using the div elements
11	5	Intermediate Design	726	CSS Display	Demonstrate formatting information on a web page using the 'inline', 'block', 'flex', 'inline-block' and 'none' values of the 'display' CSS property.
11	6	Templating	727	Templating Engine	Configure an HTTP server to use a templating view engine (such as EJS), and respond to an HTTP request with a template.
11	6	Templating	728	Template Inserts	Demonstrate filling insert points of a template with data when responding to an HTTP request with a template.
11	6	Templating	729	Template Embeds	Demonstrate programatically creating content inside of a template that depends on data provided to the template when sending a template response.
11	7	Data Transport	730	Comma Seperated Values	Demonstrate parsing CSV into code objects, and basic code objects into CSV format.
11	7	Data Transport	731	JSON Strings	Demonstrate parsing JSON data into code objects, and converting complex code objects into JSON format.

11	7	Data Transport	732	Read/Write to File	Demonstrate opening a file and parsing the data, preparing data to be written to a file, and writing/appending files.
11	8	Practical Application	733	Psuedocode	Demonstrate breaking down written problems into psuedocode, that can be transcribed into code.
11	8	Practical Application	734	Flow Charts	Identify and explain Start/Stop, Process, Input/Output, Decision, and Jump steps and how they work.
11	8	Practical Application	735	Flow Chart Design	Demonstrate breaking down written problems into a flow chart, that can be transcribed into code.
11	8	Practical Application	736	Basic Calculations	Demonstrate how to perform basic calculations using code (such as calculating sales tax).
11	8	Practical Application	737	Iterative Processing	Demonstrate how to process a list of similar objects and performs calculations across all elements (such as calculating number of and average age of a list of users by birth date).
11	9	Web Applications	738	Document Object Model	Explain what the Document Object Model is, and how HTML is converted into JS objects in a web browser.
11	9	Web Applications	739	Getting Elements	Demonstrate finding an element by its ID, and changing at least one of its properties.
11	9	Web Applications	740	Creating Elements	Demonstrate creating a new HTML element with Javascript, and appending it to another exisiting element on the page.
11	9	Web Applications	741	Practical Javascript	Demonstrate creating multiple HTML elements programatically from a list of objects and their properties.
11	9	Web Applications	742	Event Handling	Demonstrate creating and handling DOM events in a page, such as onclick, onload, and onmouseover