



Semester: 1

2025 – 2026

Grade Level		12	Subject: Programming and Coding	
Teacher(s) Name		Bassel Shmiet		
Textbook		Introduction to Visual Basic		
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
1	Aug.25 th	Aug.29 th	Introduction to visual basic	11.DTC.a. 3 Emphasize the importance of well-structured markup and teach students how to create valid HTML documents.
2	Sept. 1 st	Sept. 5 th 4 Sep Prophet Muhammad's Birthday (Holiday)	Random numbers ♦ Using formula ♦ Using if else ♦ Using select case	11.DTC.a. 4 Individually and collaboratively, use advanced tools to design and create online content (e.g., digital portfolio, multimedia, blog, webpage).
3	Sept. 1 st	Sept. 5 th	Text boxes ♦ User name ♦ password ♦ if else ♦ select case	11.DTC.a. 2 Emphasize the importance of clean and semantic markup, separation of content and presentation, proper indentation, and the use of appropriate tags for specific purposes.
4	Sept. 15 th	Sept.19 th	Text boxes ♦ Multiplying ♦ Adding ♦ Dividing	11.DTC.a. 5 Emphasize the significance of accessibility in web development, including the

			<ul style="list-style-type: none"> ◆ Backcolor 	use of semantic markup, alt attributes for images, and proper use of headings for screen readers.
5	Sept.8 th	Sept.12 th	Flowcharts: <ul style="list-style-type: none"> ◆ For loop ◆ Do until ◆ While loop ◆ If else 	11.DTC.a. 6 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
6	Sept. 29 th	Oct.3 rd	Flowcharts: <ul style="list-style-type: none"> ◆ For loop ◆ Do until ◆ While loop ◆ If else 	11.DTC.a. 7 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
7	Sept. 15 th	Sept.19 th	Radio buttons: <ul style="list-style-type: none"> ◆ Know the uses of radio buttons ◆ Use radio buttons in text boxes 	11.DTC.a. 7 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
8	Oct.13 th	Oct.17 th	Check boxes <ul style="list-style-type: none"> ◆ Know the uses of checkboxes ◆ Relate them to if else and select case 	11.DTC.a. 3 Emphasize the importance of well-structured markup and teach students how to create valid HTML documents.
9	Sept.22 nd	Sept.26 th	Loops <ul style="list-style-type: none"> ◆ Know the use For loop ◆ Write a script with different types of conditional statements ◆ Know the concept of looping 	11.DTC.a. 3 Emphasize the importance of well-structured markup and teach students how to create valid HTML documents.
10	Oct.27 th	Oct.31 st	Loops <ul style="list-style-type: none"> ◆ Know the use For loop ◆ Know the concept of looping 	11.DTC.a. 4 Individually and collaboratively, use advanced tools to design and create online content (e.g.,

			<ul style="list-style-type: none"> Write a JavaScript using simple for loop statement. 	digital portfolio, multimedia, blog, webpage).
11	Sept. 29 th	Oct.3 rd	<p>Loops</p> <ul style="list-style-type: none"> for do until while loop 	<p>11.DTC.a. 2</p> <p>Emphasize the importance of clean and semantic markup, separation of content and presentation, proper indentation, and the use of appropriate tags for specific purposes.</p>
12	Nov.10 th	Nov.14 th	<p>Input boxes</p> <ul style="list-style-type: none"> Using loops Sum Product Factorial 	<p>11.DTC.a. 5</p> <p>Emphasize the significance of accessibility in web development, including the use of semantic markup, alt attributes for images, and proper use of headings for screen readers.</p>
13	Nov.17 th	Nov.21 st	<p>Controls</p> <ul style="list-style-type: none"> Check boxes Radio buttons <p>Properties</p> <ul style="list-style-type: none"> Set visible and enable properties to true 	<p>11.DTC.a. 6</p> <p>Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.</p>
14	Nov. 24 th	Nov.28 th	<p>Looping Structures</p> <ul style="list-style-type: none"> Infinite loops Prime Numbers 	<p>11.DTC.a. 7</p> <p>Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.</p>
15	Dec.1 st	Dec.5 th	<p>Controlling Program Flow</p> <ul style="list-style-type: none"> Using Flags Secret Message Decoder Sub Procedures 	<p>11.DTC.a. 7</p> <p>Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.</p>

16	Dec.8 th	Dec.12 th	Loops <ul style="list-style-type: none">◆ for◆ do until while loop	11.DTC.a. 2 Emphasize the importance of clean and semantic markup, separation of content and presentation, proper indentation, and the use of appropriate tags for specific purposes.
17	Jan 12 th	Jan 16 th	Input boxes <ul style="list-style-type: none">◆ Using loops◆ Sum◆ Product Factorial	11.DTC.a. 5 Emphasize the significance of accessibility in web development, including the use of semantic markup, alt attributes for images, and proper use of headings for screen readers.
18	Jan 19 th	Jan 23 rd	Controls <ul style="list-style-type: none">◆ Check boxes◆ Radio buttons Properties <ul style="list-style-type: none">◆ Set visible and enable properties to true	11.DTC.a. 6 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
19	Jan 26 th	Jan 30 th	Semester 1 Exams: Jan 22 nd to Jan 30 th	
Dec. 15, 2025, to Jan. 4, 2026 Winter holiday for students				