Computer Department

Semester: 1 **2026-2027**

Grade Level	12	**Programming and Coding**
Teacher(s) Name	Bassel Shmiet	
Textbook	Introduction to Visual Basic	

Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
1	Aug 31	Sept 4	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 7	Sept 11	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 14	Sept 18	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 21	Sept 25	Text boxes ♦ Multiplying ♦ Adding ♦ Dividing • Backcolor	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.
5	**Sept 28**	**Oct 2**	Flowcharts: ♦ 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	**Oct 5**	**Oct 9**	Flowcharts: ♦ 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.
	Oct 12	**Oct 16**	Radio buttons: ♦ Know the uses of radio buttons Use radio buttons in text boxes	
7	**Oct 19**	**Oct 23**	Check boxes ♦ 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.
8	**Oct 26**	**Oct 30**	Loops ♦ 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.
9	**Nov 2**	**Nov 6**	Loops ♦ Know the use For loop ♦ Know the concept of looping • Write a JavaScript using simple for loop statement.	11.DTC.a. 4 Individually and collaboratively, use advanced tools to design and create online content (e.g., digital portfolio, multimedia, blog, webpage).
10	**Nov 9**	**Nov 13**	Loops ♦ 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.

11	**Nov 16**	**Nov 20**	Input boxes ♦ 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.
12	**Nov 23**	**Nov 27**	Controls ♦ Check boxes ♦ Radio buttons Properties ♦ 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.
13	**Nov 30**	**Dec 4**	Looping Structures ♦ Infinite loops ♦ Prime Numbers •	11.DTC.a. 7 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
14	**Dec 7**	**Dec 11**	Controlling Program Flow ♦ Using Flags ♦ Secret Message Decoder ♦ Sub Procedures •	11.DTC.a. 7 Introduce the principles of responsive design, which ensures web content adapts well to different devices and screen sizes.
	Dec 14	**Jan 1**	Loops ♦ for ♦ do until while loop	
15	**Jan 4**	**Jan 8**	Input boxes ♦ 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.
16	**Jan 11**	**Jan 15**	Controls ♦ Check boxes ♦ Radio buttons	11.DTC.a. 6 Introduce the principles of responsive design, which ensures

			Properties ♦ Set visible and enable properties to true •	web content adapts well to different devices and screen sizes.
17	**Jan 18**	**Jan 22**	**Semester 1 Exams**	
18	**Jan 25**	**Jan 29**	**Semester 1 Exams**	