

Conneaut School District – Business Education Curriculum Map

Course: Computer Programming II **Grade:** Grades 10 - 12 Elective **Time:** 90 days / 90 minutes ½ year

Time-Line	CONTENT	STANDARDS	SKILLS	ASSESSMENT
3 wks	<p>VB SCRIPTING & VISUAL BASIC</p> <ul style="list-style-type: none"> • Writing programs in VB scripting • Review of Visual Basic: <ul style="list-style-type: none"> ○ Chapters 1-3 ○ Chapters 4-6 ○ Chapters 7-8 	<p>1.1C 1.2 2.4A 2.5A</p>	<ul style="list-style-type: none"> • Learning VB scripting • Practice problems • Writing program in VB Scripting • Reviewing Visual Basic • Writing programs in VB 	<ul style="list-style-type: none"> • Written test • VB scripting problems
2 wks	<p>Using Arrays and File Handling</p> <ul style="list-style-type: none"> • Chapter 9 	<p>1.1C 1.2 1.5C 2.2A 2.4A 2.5A</p>	<ul style="list-style-type: none"> • Intro and Chapter Project • Procedures • Exceptional Handling • Program Design • Summary • Learn it Online 	<ul style="list-style-type: none"> • Knowledge Check • Debugging Exercises • Program Analysis • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams
2 wk	<p>Incorporating Databases with ADO.NET</p> <ul style="list-style-type: none"> • Chapter 10 	<p>1.1C 1.2 1.5C 2.2A 2.4A 2.5A</p>	<ul style="list-style-type: none"> • Intro and Chapter Project • Procedures • Exceptional Handling • Program Design • Summary • Learn it Online 	<ul style="list-style-type: none"> • Knowledge Check • Debugging Exercises • Program Analysis • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams
2 wks	<p>MULTIPLE CLASSES & INHERITANCE</p> <ul style="list-style-type: none"> • Chapter 11 	<p>1.1C 1.2 1.5C 2.2A 2.4A 2.5A</p>	<ul style="list-style-type: none"> • Intro and Chapter Project • Program Structure Using Classes • Coding Classes • Inheritance • Persistence Classes • Program Design • Guided Program Development • Summary • Learn it Online 	<ul style="list-style-type: none"> • Knowledge Check • Debugging Exercises • Program Analysis • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams

2 wks	<p>CELL PHONE APPLICATIONS AND WEB SERVICES</p> <ul style="list-style-type: none"> Chapter 12 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> Intro and Chapter Project Create a Smartphone Application Program Design Design the Program Processing Objects Guided Program Development Web Design Program Design Design the Program Processing Objects Guided Program Development Microsoft Reports Summary Learn it Online 	<ul style="list-style-type: none"> Knowledge Check Debugging Exercises Program Analysis Case Programming Assignments Concepts and Terms Exams Program Application Exams
2 wks	<p>VISUAL STUDIO TOOLS FOR OFFICE</p> <ul style="list-style-type: none"> Enrichment Chapter 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> Intro and Chapter Project Programming an Office Document Program Design Design the Program Processing Objects Guided Program Development Summary Learn it Online 	<ul style="list-style-type: none"> Knowledge Check Debugging Exercises Program Analysis Case Programming Assignments Concepts and Terms Exams Program Application Exams
2 wks	<p>PROGRAMMING WITH JAVASCRIPT</p> <ul style="list-style-type: none"> Lesson 6 <ul style="list-style-type: none"> Introducing JavaScript 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> Display Web page text with JavaScript Using HTML formatting tags both in and around JavaScript code Create conditional statements with JavaScript Using the JavaScript alert() method Access the browser status line with JavaScript 	<ul style="list-style-type: none"> Case Programming Assignments Concepts and Terms Exams Program Application Exams

2 wks	PROGRAMMING WITH JAVASCRIPT <ul style="list-style-type: none"> • Lesson 7 <ul style="list-style-type: none"> ○ Using Images with JavaScript 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> • Name and describe JavaScript events • Create an image rollover • Make a hyper link rollover • Construct a cycling banner • Display random images • Create a JavaScript slide show 	<ul style="list-style-type: none"> • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams
2 wks	PROGRAMMING WITH JAVASCRIPT <ul style="list-style-type: none"> • Lesson 8 <ul style="list-style-type: none"> ○ Creating Forms w/ JavaScript 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> • Create an HTML form • Make a form submission button functional • Make a form clearing button functional • Validate text fields with JavaScript • Validate radio buttons with JavaScript 	<ul style="list-style-type: none"> • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams
2 wks	PROGRAMMING WITH JAVASCRIPT <ul style="list-style-type: none"> • Lesson 9 <ul style="list-style-type: none"> ○ Using JavaScript with Frames 	1.1C 1.2 1.5C 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> • Create a JavaScript function with a parameter list • Create JavaScript-enabled hyperlinks and affect frames • Create JavaScript-enabled buttons that affect frames • Create top-level JavaScript functions 	<ul style="list-style-type: none"> • Case Programming Assignments • Concepts and Terms Exams • Program Application Exams
3 wks	FINAL PROJECT	1.6D 1.5C 1.8B 2.2A 2.4A 2.5A	<ul style="list-style-type: none"> • Analyze and Design • Plan & Develop Program • Write Code • Test Code Create Presentations 	<ul style="list-style-type: none"> • Present Final Projects • Turn in Final Project Paperwork