

2010 Advanced VISUAL BASIC

Week	Chapter	Assignment	SD Technology Standards
1	Review of VB	Knowledge Check	VBP 4.2
		Practice program	
2,3	<p>Lesson 1.7 Sub & Functions</p> <ul style="list-style-type: none"> • Define the difference between a Sub procedure and a Function procedure. • Create a procedure that receives information passed to it. • Define the difference between passing data <i>by value</i> and passing data <i>by reference</i>. • Create a Function procedure. • Include a combo box in an interface. • Add items to a combo box. • Select a combo box item from code. • Determine the item either selected or entered in a combo box. • Code a combo box's Text-Changed event procedure. 	<p>Learn It Online</p> <p>Program 1.1</p> <p>Learn It Online</p> <p>Knowledge Check</p> <p>Knowledge Check</p> <p>Program 1.2</p> <p>Program 1.2a</p> <p>Knowledge Check</p> <p>Program 1.3</p>	<p>VBP1.2</p> <p>VBP 3.3</p> <p>VBP 1.2</p> <p>VBP 5.1</p> <p>VBP 5.1</p> <p>VBP 5.1</p> <p>VBP 5.1</p> <p>VBP3.3</p> <p>VBP 5.3</p>

Week	Lesson	Assignment	SD Technology Standards
4,5	<p data-bbox="313 306 691 338">Lesson 2. 8 String Manipulation</p> <ul style="list-style-type: none"> <li data-bbox="370 373 829 447">• Determine the number of characters in a string. <li data-bbox="370 457 824 531">• Remove spaces from the beginning and end of a string. <li data-bbox="370 562 824 636">• Replace, insert & access characters in a string. <li data-bbox="370 667 602 699">• Search a string. <li data-bbox="370 730 784 804">• Compare strings using pattern-matching. <li data-bbox="370 835 808 909">• Include a MenuStrip control on a form. <li data-bbox="370 940 716 972">• Add elements to a menu. <li data-bbox="370 1003 743 1077">• Assign access keys to menu elements. <li data-bbox="370 1108 824 1182">• Assign shortcut keys to commonly used menu items. <li data-bbox="370 1213 792 1287">• Code a menu item's Click event procedure. <li data-bbox="370 1318 800 1392">• Include the Length property in a procedure. <li data-bbox="370 1423 808 1497">• Include the Substring & Contains method in a procedure. <li data-bbox="370 1528 768 1602">• Include the Like operator in a procedure. <li data-bbox="370 1633 784 1707">• Include the Mid statement in a procedure. 	<p data-bbox="873 373 1081 405">Knowledge check</p> <p data-bbox="873 436 1019 468">Program 2.1</p> <p data-bbox="873 499 1019 531">Program 2.2</p> <p data-bbox="873 562 1019 594">Program 2.3</p> <p data-bbox="873 625 1036 657">Program 2.3a</p> <p data-bbox="873 688 1019 720">Program 2.4</p> <p data-bbox="873 751 1036 783">Program 2.4a</p> <p data-bbox="873 814 1036 846">Program 2.4b</p> <p data-bbox="873 877 1036 909">Program 2.4b</p> <p data-bbox="873 940 1036 972">Program 2.4b</p> <p data-bbox="873 1003 1019 1035">Program 2.5</p> <p data-bbox="873 1066 1036 1098">Program 2.5a</p> <p data-bbox="873 1129 1036 1161">Program 2.5b</p> <p data-bbox="873 1192 1036 1224">Program 2.5c</p>	<p data-bbox="1235 373 1325 405">VBP 3.2</p> <p data-bbox="1235 436 1325 468">VBP3.3</p> <p data-bbox="1235 499 1325 531">VBP5.1</p> <p data-bbox="1235 562 1325 594">VBP 5.3</p> <p data-bbox="1235 625 1325 657">VBP 5.2</p> <p data-bbox="1235 688 1325 720">VBP 5.1</p> <p data-bbox="1235 751 1325 783">VBP5.2</p> <p data-bbox="1235 814 1325 846">VBP 5.1</p> <p data-bbox="1235 877 1325 909">VBP3.3</p> <p data-bbox="1235 940 1325 972">VBP 5.5</p> <p data-bbox="1235 1003 1325 1035">VBP3.3</p> <p data-bbox="1235 1066 1325 1098">VBP3.3</p> <p data-bbox="1235 1129 1325 1161">VBP3.3</p> <p data-bbox="1235 1192 1325 1224">VBP3.3</p> <p data-bbox="1235 1255 1325 1287">VBP3.3</p>

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6,7,8	<p data-bbox="310 306 721 338">Chapter 3.9 Arrays & File Handling</p> <ul style="list-style-type: none"> <li data-bbox="370 373 732 447">• Declare and initialize a one-dimensional array. <li data-bbox="370 485 781 558">• Store data in a one-dimensional array. <li data-bbox="370 596 760 669">• Display the contents of a one-dimensional array. <li data-bbox="370 707 708 781">• Code a loop using the For Each...Next statement. <li data-bbox="370 819 808 892">• Access an element in and search a one-dimensional array. <li data-bbox="370 930 773 1003">• Compute the average of a one-dimensional array's contents. <li data-bbox="370 1041 776 1115">• Find the highest entry in a one-dimensional array. <li data-bbox="370 1152 764 1226">• Update the contents of a one-dimensional array. <li data-bbox="370 1264 756 1337">• Sort a one-dimensional array. <li data-bbox="370 1375 833 1449">• Create and manipulate parallel one-dimensional arrays. <li data-bbox="370 1486 808 1560">• Locate information in two parallel one-dimensional arrays. <li data-bbox="370 1598 735 1671">• Declare and initialize a two-dimensional array. <li data-bbox="370 1709 776 1782">• Store data in and search a two-dimensional array. <li data-bbox="370 1820 837 1894">• Determine the highest subscript in a two-dimensional array. 	<p data-bbox="870 373 1019 405">Program 3.1</p> <p data-bbox="870 510 1019 541">Program 3.1</p> <p data-bbox="870 579 1019 611">Program 3.1</p> <p data-bbox="870 716 1019 747">Program 3.2</p> <p data-bbox="870 852 1019 884">Program 3.2</p> <p data-bbox="870 921 1032 953">Program 3.2a</p> <p data-bbox="870 1058 1036 1089">Program 3.2b</p> <p data-bbox="870 1194 1032 1226">Program 3.2c</p> <p data-bbox="870 1257 1036 1289">Program 3.2d</p> <p data-bbox="870 1327 1019 1358">Program 3.3</p> <p data-bbox="870 1463 1036 1495">Program 3.3a</p> <p data-bbox="870 1600 1019 1631">Program 3.4</p> <p data-bbox="870 1663 1019 1694">Program 3.4</p> <p data-bbox="870 1799 1036 1831">Program 3.4a</p>	<p data-bbox="1232 373 1325 405">VBP 5.2</p> <p data-bbox="1232 510 1325 541">VBP 5.2</p> <p data-bbox="1232 579 1325 611">VBP 5.3</p> <p data-bbox="1232 716 1325 747">VBP 5.2</p> <p data-bbox="1232 852 1325 884">VBP 5.3</p> <p data-bbox="1232 921 1325 953">VBP 5.3</p> <p data-bbox="1232 1058 1325 1089">VBP 5.2</p> <p data-bbox="1232 1194 1325 1226">VBP 5.2</p> <p data-bbox="1232 1257 1325 1289">VBP 5.3</p> <p data-bbox="1232 1327 1325 1358">VBP 5.2</p> <p data-bbox="1232 1463 1325 1495">VBP 5.2</p> <p data-bbox="1232 1600 1325 1631">VBP 5.2</p> <p data-bbox="1232 1663 1325 1694">VBP 5.3</p> <p data-bbox="1232 1799 1325 1831">VBP 5.3</p>

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9,10, 11	<p data-bbox="310 306 760 373">Lesson 4.10 Structures and Sequential Access Files</p> <ul data-bbox="370 415 837 1787" style="list-style-type: none"> • Create a structure. • Declare a structure variable. • Pass a structure variable to a procedure. • Create and manipulate a one-dimensional array of structures. • Open and close a sequential access file. • Write data to a sequential access file. • Read data from a sequential access file. • Determine whether a sequential file exists. • Test for the end of a sequential access file. • Fill a list box with values stored in a sequential access file. • Add an item to a list box while an application is running. • Align columns of information. • Remove an item from a list box while an application is running. • Save list box items to a sequential access file 	<p data-bbox="870 373 1084 405">Knowledge Check</p> <p data-bbox="870 510 997 541">Program 4</p> <p data-bbox="870 573 997 604">Program 4</p> <p data-bbox="870 636 1013 667">Program 4a</p> <p data-bbox="870 772 1019 804">Program 4.1</p> <p data-bbox="870 909 1036 940">Program 4.1a</p> <p data-bbox="870 972 1036 1003">Program 4.1b</p> <p data-bbox="870 1108 1019 1140">Program 4.2</p> <p data-bbox="870 1245 1036 1276">Program 4.2a</p> <p data-bbox="870 1308 1036 1339">Program 4.2b</p> <p data-bbox="870 1444 1036 1476">Program 4.2c</p> <p data-bbox="870 1507 1019 1539">Program 4.3</p> <p data-bbox="870 1644 1036 1675">Program 4.3a</p> <p data-bbox="870 1707 1036 1738">Program 4.3b</p>	<p data-bbox="1232 373 1328 405">VBP 4.2</p> <p data-bbox="1232 510 1328 541">VBP 3.3</p> <p data-bbox="1232 573 1328 604">VBP 5.2</p> <p data-bbox="1232 636 1328 667">VBP 5.2</p> <p data-bbox="1232 772 1328 804">VBP 5.3</p> <p data-bbox="1232 909 1328 940">VBP5.3</p> <p data-bbox="1232 972 1328 1003">VBP5.3</p> <p data-bbox="1232 1108 1328 1140">VBP 5.3</p> <p data-bbox="1232 1245 1328 1276">VBP 5.3</p> <p data-bbox="1232 1308 1328 1339">VBP 5.2</p> <p data-bbox="1232 1444 1328 1476">VBP 5.2</p> <p data-bbox="1232 1507 1328 1539">VBP 5.2</p> <p data-bbox="1232 1644 1328 1675">VBP 5.2</p> <p data-bbox="1232 1707 1328 1738">VBP 5.2</p>

Week	Lesson	Assignments	SD Technology Standards
12,13, 14	Lesson 5.11 Classes and Objects <ul style="list-style-type: none"> • Define a class • Instantiate an object from a class that you define. • Add Property procedures to a class. • Include data validation in a class. • Create a default constructor. • Include a ReadOnly property in a class. • Include a parameterized method in a class. • Overload a method in a class. • Include methods in a class. • Create a derived class using inheritance. • Override a method in the base class. 	Knowledge Check Program 5.1 Program 5.1a Program 5.1a Program 5.2 Program 5.2b Program 5.2c Knowledge Check Program 5.3 Program 5.3a Program 5.3b	VBP 2.1 VBP 2.1 VBP 2.1 VBP 2.1 VBP 2.2 VBP 2.2 VBP 5.1 VBP 5.1 VBP 3.3 VBP 5.1 VBP 5.2 VBP 5.3
15,16, 17	Lesson 6.11_12 Cell phone applications and Web services. <ul style="list-style-type: none"> • Include a required field validator control on a web page. • Make changes to the web page in Source view. • Create columns using the <div> tag • Add a calendar to a web page. 	Program 6.1 Program 6.1 Program 6.1a Program 6.1b	WP3.3 WP3.3 WP3.3 WP3.3

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	<ul style="list-style-type: none"> • Add a dropdown list box. • Create a new line using the
tag. • Code programs for cell phone applications. • Code programs Web services 	<p>Program 6.1c</p> <p>Program 6.1d</p> <p>Program 6.2</p> <p>Program 6.3</p>	<p>WP3.2</p> <p>WP3.3</p> <p>VBP 3.3</p> <p>VBP 3.3</p>
18	Finals Week	Review & Semester TEST	