

# Appendix 1

## Curriculum Distribution

### Computer and Information

### Technology Subject

### The First and Second semesters



2015 -2016



## Curriculum Distribution

### “Computer and information technology “Subject

#### First secondary grade

**2015-2016 (First Semester)**

Week number	Topic	Accompanying activities
1	<p><b><u>Topic one: An introduction to the project</u></b></p> <ul style="list-style-type: none"> <li>- Downloading the (Electronic Arabic Atlas) program ,to be familiar with the new working environment</li> <li>- Introducing the work in any Project using technology tools available.</li> <li>- Examples of (Electronic Arabic Atlas) Program</li> <li>- Searching through the Internet</li> </ul>	Practical parts of each Topic
2	<ul style="list-style-type: none"> <li>- Multimedia:               <ul style="list-style-type: none"> <li>o Advantages of Multimedia</li> <li>o Multimedia elements</li> </ul> </li> <li>- Stages of problem solving</li> <li>- Analysis of Project’s interface</li> <li>- Exercises and Questions of Topic one</li> </ul>	
3	<p><b><u>Topic two: Managing Project’s data</u></b></p> <ul style="list-style-type: none"> <li>- What is data management?</li> <li>- Creating Project Folders</li> <li>- What are search engines?</li> <li>- Searching information through the Internet and download the multimedia files (voice- video- image)</li> </ul>	
4	<ul style="list-style-type: none"> <li>- Electronic Encyclopedia (Searching and Organizing Encyclopedia )</li> <li>- Exercises and Questions of Topic two</li> </ul>	
5	<p><b><u>Topic three: Collecting Project’s data using Spreadsheets applications</u></b></p> <ul style="list-style-type: none"> <li>- Spreadsheets Applications</li> <li>- The types of data in table cells</li> <li>- What is meant by database</li> <li>- Create Data Table</li> <li>- Enter data in a worksheet in the workbook</li> <li>- Rename a worksheet</li> <li>- Save the new workbook</li> </ul>	

Week number	Topic	Accompanying activities
	<ul style="list-style-type: none"> <li>- Exercises and Questions of Topic three.</li> </ul>	
6	<p><b><u>Topic Four: Edit and design images</u></b></p> <ul style="list-style-type: none"> <li>- Identify some Image Editing software</li> <li>- Download different kind of image files from the Internet</li> <li>- The Characteristics of some picture's types</li> <li>- Modify picture's size</li> <li>- Add effects to picture</li> <li>- Save picture files with different extensions</li> </ul>	
7	<ul style="list-style-type: none"> <li>- Adding an image as a background in the project design</li> <li>- Designing Images</li> <li>- The concept of animated picture</li> <li>- Designing animated picture (enriched)</li> <li>- Exercises and Questions of Topic four</li> </ul>	
8	<p><b><u>Topic Five: Creating and manipulating Sound files</u></b></p> <ul style="list-style-type: none"> <li>- Audio files formats (extensions)</li> <li>- Some sound editing programs</li> <li>- Download one of the Audio editing software</li> <li>- Create sound files</li> </ul>	Practical parts of each topic
9	<ul style="list-style-type: none"> <li>- Create sound files</li> <li>- Manipulate Audio files</li> <li>- Add effects to Audio clips</li> <li>- Save Audio files with different extensions</li> <li>- Exercises and Questions of Topic five</li> </ul>	
10	<p><b><u>Topic six: Creating and editing videos</u></b></p> <ul style="list-style-type: none"> <li>- Types of Video files</li> <li>- Video editing software</li> <li>- Download video editing software.</li> <li>- Manipulate video files through video editing software.</li> <li>- Create video clips in the program.</li> </ul>	

Week number	Topic	Accompanying activities
11	<ul style="list-style-type: none"> <li>- Edit and Manipulate video files by adding or deleting files</li> <li>- Save video clips in a file with the right format (extension).</li> <li>- Exercises and Questions of Topic six</li> </ul>	
12	<p><b><u>Topic seven: Establish Project's interface and, set Project's properties</u></b></p> <ul style="list-style-type: none"> <li>- Identify the user interface properties and some of the controls 'properties ( Button – ConboBox – PictureBox – Label ).</li> <li>- Add a control to the Toolbox.</li> <li>- Design the User Interface of the project and, adjust its properties.</li> <li>- Exercises and Questions of Topic seven</li> </ul>	
13	<p><b><u>Topic eight: Reading data from an Excel sheet using Visual Basic.Net</u></b></p> <ul style="list-style-type: none"> <li>- Some terminologies (ADO.NET –Class – Object – Select- ...etc).</li> <li>- Working with Select statement.</li> <li>- Examples of select statement</li> </ul>	Practical parts of each topic
14	<p><b><u>Topic eight(continued) : Reading data from an Excel sheet using Visual Basic.Net</u></b></p> <ul style="list-style-type: none"> <li>- Examples of select statement (using the tutorial ... ArabicAtlas_Execute SQL_K )</li> </ul>	
15	<ul style="list-style-type: none"> <li>- A revision on the above study</li> </ul>	
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## Curriculum Distribution

### “Computer and information technology “ Subject

#### First secondary grade

**2015-2016 (Second Semester)**

رقم الأسبوع	الموضوع	Accompanying activities
1	- <b><u>Topic eight (continued)</u></b> : Exercise (Reading data from an Excel sheet using Visual Basic.Net) And identify the variables used in the project and the (Classes) used in the programming code.	Practical parts of each Topic
2	- Exercise (Reading data from an Excel sheet using Visual Basic.Net) And assign the values used for variables and, use the necessary code to fill the controls with data.	
3	- Complete the exercise (Reading data from an Excel sheet using Visual Basic.Net)	
4	- Create the function for reading Excel sheet data	
5	- Write the code needed to fill the control (ComboBox) with the names of the continents. - Exercises and Questions of Topic eight	
6	<b><u>Topic nine : Writing the Project Code</u></b> - Write the code needed to fill the control (ComboBox) with countries ‘names - . Write the code needed to display the countries ‘data, using the control (Label). - Exercises and Questions of Topic nine	

7	<p><b><u>Topic ten : Adding the country flag and its map in (Electronic Arabic Atlas) program</u></b></p> <ul style="list-style-type: none"> <li>- Write the code needed to display the country' flag and its map by using the control (PictureBox)</li> </ul>	<b>Practical parts of each Topic</b>
8	<ul style="list-style-type: none"> <li>- Exercises and Questions of Topic ten</li> </ul>	
9	<p><b><u>Topic eleven :Adding the national anthem sound file to (Electronic Arabic Atlas) program</u></b></p> <ul style="list-style-type: none"> <li>- Write the code needed to play the National Anthem sound file of the country</li> <li>- Write the code needed to play or stop the National Anthem sound file of the country</li> </ul>	
10	<ul style="list-style-type: none"> <li>- Exercises and Questions of Topic eleven</li> </ul>	
11	<p><b><u>Topic twelve: Adding the video file of tourist attractions to (Electronic Arabic Atlas) program</u></b></p> <ul style="list-style-type: none"> <li>- Write the code required to play the video files of <i>tourist attractions</i> of the country</li> </ul>	
12	<ul style="list-style-type: none"> <li>- Exercises and Questions of Topic twelve</li> </ul>	
13	<ul style="list-style-type: none"> <li>- A revision on the above study</li> </ul>	

### Notes:

1-Consider official holidays vacations and exam dates.

-2 Computer teacher should ask for the help of other teachers 'subjects in the school to verify the authenticity of information on projects which are downloaded from the Internet.

3- You can get the content from the portal of Ministry of Education: [www.moe.gov.eg](http://www.moe.gov.eg) / إدارة "الكمبيوتر التعليمي".