

Informatics Curriculum High school, Grade 1

No		Numer of classes
I	Computers and Informatics	1
1.	Informatics, Computers, Data, Information - Introduction	1
II	Computer System	
2.	Computer system structure	1
3.	Motherboard	1
4.	Processor	1
5.	Input devices	1
6.	Output devices	1
7.	Input/output devices	1
8.	External memory	1
9.	Repeating and Exercise	1
10.	Connecting of Basic Computer Components	1
III	Operating Systems	
11.	Operating System	1
12.	Kinds of operating systems	1
13.	Licenses, Viruses and Protection	1
14.	Repeating and Exercise	1
15.	DOS; DIR, CD	1
16.	DOS; MD, RD, DEL	1
17.	DOS; COPY, ATTRIB, RENAME	1
18.	Repeating and Exercise	1
IV	Windows	
19.	Windows; Desktop, Mouse, Icons	1
20.	Windows; Settings, Finding files, Start menu	1
21.	Explorer; File-menu	1
22.	Explorer; File - menu	1
23.	Explorer; Edit - menu	1
24.	Explorer; Edit - menu	1
25.	Explorer; View, Favorites, Tools	1
26.	Repeating and Exercise	1
27.	Windows; Network, Sharing	1
28.	Windows; Network, Copying files on another Computer	1
29.	Recycle Bin (Wincommander)	1
30.	Windows; floppy disk formatting, saving files, zipping files	1
31.	Drawing software - Paint	1
32.	Repeating and Exercise	1
V	Word	
33.	Word; Introducing	1
34.	Word; page setup	1
35.	Page numbering	1
36.	Repeating and Exercise	1
37.	Word; fonts; saving, saving with password	1
38.	Header and Footer	1
39.	Footnotes	1
40.	Tables - creating	1
41.	Table properties	1
42.	Table position in text	1
43.	Equation in tables	1
44.	Sorting in tables	1
45.	Repeating and Exercise	1
46.	Enumeration	1
47.	Templates	1
48.	Templates; Tools/Wizard	1

49.	Columns in Word	1
50.	Patagraphs	1
51.	Inserting pictures and graphics	1
52.	Mathematical equations	1
53.	Borders and Shading	1
54.	Repeating and Exercise	1
55.	Automatic index and contents	1
56.	Graphicons	1
57.	Printing	1
58.	Text searching and replacing	1
59.	Drawing in Word	1
60.	Repeating and Exercise	1
61.	Word and other applications	1
VI	Excel	
62.	Excel;Cell, Saving	1
63.	Formating and text adjusting	1
64.	Excel formulas	1
65.	Fuctions in Excel	1
66.	Graphicons in Excel	1
VII	Multimedia	
67.	Multimedia introducing	1
68.	Multimedia examples; Encarta, Britanica	1
69.	Repeating and Exercise	1
VII	Internet	
70.	Internet; connection; Internet explorer, URL	1
71.	E-mail	1
72.	Repeating and Exercise	1

Informatics Curriculum High school, Grade 2

No		Num of classes
I	Programming language Pascal	
1-2.	Introducing, algorithm	2
3-4.	Algorithmic structures	2
5-6.	Programming languages, Pascal workspace	2
7-8.	Whole number type - Integer	2
9-10.	Real number type - real	2
11-12.	Practicing with real and integer types	2
13-14.	Logical type - Boolean	2
15-16.	Practicing with logical type	2
17-18.	Characters, character data type	2
19-20.	Branching structures, IF-ELSE structure	2
21-22.	CASE structure	2
23-24.	Cycles, FOR cycle	2
25-26.	Cycles, WHILE cycle	2
27-28.	Cycles, REPEAT cycle	2
29-30.	Practicing cycles	2
31-32.	Arrays	2
33-34.	Arrays sorting	2
35-36.	Practicing arrays	2
37-38.	Enumerated type	2
39-40.	Sets	2
41-42.	Functions	2
43-44.	Practicing	2
45-46.	Procedures	2
47-48.	Practicing procedures	2
49-50.	Text file	2
51-52.	Working with text files	2
53-54.	Practicing files	2
55-56.	Advanced examples in Pascal	2
II	CorelDraw	
57-58.	CorelDraw, commands and adjusting	2
59-60.	Preparations for drawing	2
61-62.	Drawing of basic graphical elements, line, circle, polygons...	2
63-64.	Object manipulation, arranging, shrinking, rotating...	2
65-66.	Color filling, layers	2
67-68.	Copying, moving objects	2
69-70.	Using text in graphics	2
71-72.	Practicing	2

Informatics Curriculum High school, Grade 3

	Number of classes
Introducing class, explaining of curriculum	8
Repeating of second grade content	
Concentric cycles	
One dimension arrays (repeating)	
Two dimensional arrays	
Two dimensional arrays - operations	
Practicing	
Sorting algorithms	10
Testing of sorting algorithms	
Searching in arrays	
Practicing	
Data types	
Strings	
Records	
Practicing	8
Practicing	
File type	
Text files	
Practicing	
Basic operations with files	
Practicing	
Practicing	
Evaluation	8
Evaluation	
Excel - repeating from first grade	
Marking and addressing cells	
Marking and addressing cells	
Moving trough worksheet	
Data input	
Practicing	
Practicing	4
Evaluation	
Semester evaluating	
Tables in Excel	
Saving tables	8
Practicing	
Practicing	
Evaluation	
Working with rows and columns	
Practicing	
Formulas and functions	
Practicing	
Practicing	8
Worksheet formatting	
Practicing	
Printing	
Graphics	
Practicing	
Evaluation	
Databases introducing	8
Database elements	
Evaluation	

Data manipulation	8
Relations between data in database	
Relations between data in database	
Relation databases	
Evaluation	
Database creating	
Practicing	10
Practicing	
Sorting and searching in database	
Microsoft Access functions	
Practicing	
Input/output forms	
Practicing	
Evaluation	
Information Systems - Introduction	2
Information systems and business systems	
Information system projecting	
Evaluation	

Informatics Curriculum High school, Grade 4

	Number of classes
Introduction to curriculum	8
Third grade curriculum repeating	
Procedures	
Declarations and calling a procedures	
Global and local variables	
Practicing	
Practicing	
Procedures parameters	
Retrieving parameters	10
Practicing	
Practicing	
Evaluation	
Evaluation	
Projecting and programming methods	
Transforming problems in smaller parts	
Program writing	
Program testing	8
Practicing	
Documentation and maintains	
Advanced program projecting	
Advanced program projecting	
Practicing	
Practicing	
Evaluation	8
New information techniques	
Animations	
Music software	
Practicing	
Text, pictures and sound integration	
Hypertext and multimedia	
Virtual reality	
Practicing	4
World Wide Web introducing	
Home page	
URL	
Practicing	8
Practicing	
Web mail	
Practicing	
Evaluation	8
Artificial intelligence	
Robotics	
Generations of robots	
Evaluation	
Areas of computer usage	
Expert systems	
Evaluation	
Evaluation	
Web design - Front Page introduction	
Front Page workspace	
Views in Front Page	

Creating new webpage and navigation	
Practicing	
Practicing	
Designing of web age, text input	8
Inserting picture	
Links and Hyperlinks	
Practicing	
Practicing	
Personal homepage designing	
Personal homepage designing	
Personal homepage designing	10
Evaluation	
Evaluation	