Build Your Own Math Syllabus 6th grade			
Lesson #		Topic	Hours
		Unit 1. Language and logic	**9**
1-2	1	The concept of denial.	1
	2	The concept of denial. Denial of general statements.	1
2-3	3	Denial of general statements.	1
4	4	Denial of statements about existence.	1
5-6	5	Variable.	1
	6	Variable. Variable expressions.	1
6-7	7	Variable sentences.	1
8	8	Variable and quantifiers.	1
9	9	Denial of assertions with quantifiers.	1
		Unit 2. Arithmetic	**31**
10-12	10	Combined actions with common and decimal fractions.	3
	11	Combined actions with common and decimal fractions.	
	12	Combined actions with common and decimal fractions.	
13-14	13	Movement tasks.	2
	14	Movement tasks.	
15-16	15	Average.	2
	16	Average.	
17-18	17	Percentage concept.	2
	18	Percentage concept.	
19-21	19	Interest Rate tasks.	3
	20	Interest Rate tasks.	
	21	Interest Rate tasks.	
22-23	22	Simple percentage growth.	2
	23	Simple percentage growth.	
24-25	24	Compound interest growth.	2
	25	Compound interest growth.	
26-27	26	Relationship concept.	2
	27	Relationship concept.	
28	28	Scale.	1
29-30	29	Proportion concept. The main property of proportion.	2
	30	Proportion concept. The main property of proportion.	

31-32	31	Properties and aspect conversion.	2
	32	Properties and aspect conversion.	
33	33	Dependence between quantities.	1
34	34	Direct and inverse proportionality.	1
35-36	35	Direct and inverse proportional graphs.	2
	36	Direct and inverse proportional graphs.	
37-38	37	Solving problems using proportions.	2
	38	Solving problems using proportions.	
39-40	39	Proportional division.	2
	40	Proportional division.	
		Unit 3. Rational numbers.	**40**
41-42	41	Positive and negative numbers.	2
	42	Positive and negative numbers.	
43-45	43	Opposite numbers and modulus.	3
	44	Opposite numbers and modulus.	
	45	Opposite numbers and modulus.	
46-47	46	Comparison of rational numbers.	2
	47	Comparison of rational numbers.	
48-51	48	Addition of rational numbers.	4
	49	Addition of rational numbers.	
	50	Addition of rational numbers.	
	51	Addition of rational numbers.	
52-54	52	Subtraction of rational numbers.	3
	53	Subtraction of rational numbers.	
	54	Subtraction of rational numbers.	
55-56	55	Multiplication of rational numbers.	2
	56	Multiplication of rational numbers.	
57-58	57	Division of rational numbers.	2
	58	Division of rational numbers.	
59	59	What numbers do we know, and what we know or don’t know about them? Number systems.	1
60-61	60	Expansion of brackets.	2
	61	Expansion of brackets.	
62	62	Coefficient.	1
63-64	63	Similar terms.	2
	64	Similar terms.	

65	65	Equation concept.	1
66-68	66	Solving equations.	3
	67	Solving equations.	
	68	Solving equations.	
69-71	69	Solving problems by the method of equations.	3
	70		
	71		
72-73	72	Coordinate plane.	2
	73	Coordinate plane.	
74-75	74	Graphs of dependencies of quantities.	2
	75	Graphs of dependencies of quantities.	
76	76	The concept of logical consequence.	1
77	77	Denial of following.	1
78	78	Reverse statements.	1
79	79	Following and equivalence.	1
80	80	Following and properties of objects.	1
		Unit 4. Geometry.	**20**
81-82	81	Drawings and definitions of geometric concepts.	2
	82	Drawings and definitions of geometric concepts.	
83-84	83	Properties of geometric shapes.	2
	84	Properties of geometric shapes.	
85-88	85	Building tasks. Wonderful points in the triangle.	4
	86		
	87		
	88		
89	89	Geometric bodies and their images.	1
90	90	Polyhedron.	1
91	91	Rotation bodies.	1
92-93	92	Measurement of quantities. Length, area, volume.	2
	93	Measurement of quantities. Length, area, volume.	
94-95	94	Angle measure. Protractor.	2
	95	Angle measure. Protractor.	
96	96	Beauty and symmetry.	1
	97	Plane transformation.	2

97-98	98	Plane transformation.	
99	99	Regular polygons.	1
100	100	Regular polyhedrons.	1

Total: 100 h = 100 lessons.