

Course Division

Grade VIII: 2083

Science and Technology

First Formative Assessment

Estimated working days: 61

S.N.	Units	Th.	Pr.	Total
1.	Scientific Learning	7	3	10
3.	Living Beings and their structure	10	2	12
6.	Force and Motion ((Motion +Simple Machine)	8	2	10
9.	Matter	12	3	15
	Total	37	10	47

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	9	1MCQ/1SQ	1VSQ	1LQ	1VSQ
3.	Living Beings and their structure	12	1VSQ	1MCQ/1SQ/1LQ	2MCQ/1VSQ	1MCQ
6.	6.1 Motion	18		1SQ	1MCQ/1SQ	1LQ
	6.2 Simple Machine		1MCQ	1VSQ/2MCQ	2SQ	1VSQ
9.	Matter	11	1VSQ/1LQ	1SQ	1VSQ	1MCQ/1SQ

Second Formative Assessment

Estimated working days: 64

S.N.	Units	Th.	Pr.	Total
2.	ICT (ICT Tools and their Use + Website, Search Engine and ISP + Social Networking Sites +Cybercrime, Computer Ethics, Cyber law & Internet Security + Robotics & Virtual Reality)	15	8	23
4.	Biodiversity and Environment	6	2	8
6.	Force and Motion (Pressure)	4	1	5
7.	Energy in Daily life ((Heat)	5	1	6
10.	Materials of Daily Use(Acid, Base & Salt)	6	2	8
	Total	36	14	50

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	9			1SQ	
2.	2.1 ICT Tools and their Use			1MCQ		

	2.2 Website, Search Engine and ISP		1MCQ			
	2.3 Social Networking Sites				1VSQ	
	2.4 Cybercrime, Computer Ethics, Cyber Law & Internet Security 2.5 Robotics & Virtual Reality					1LQ
3.	Living Beings and their structure	12	1VSQ		1SQ	1VSQ/1MCQ
4.	Biodiversity and Environment		1MCQ	1SQ	1LQ	
	6.1 Motion	18		1MCQ	2SQ	
6.	6.2 Simple Machine		1MCQ	1SQ		1VSQ
	6.3 Pressure			1SQ	2MCQ	
7.	Energy in Daily life (Heat)		1LQ	1VSQ		
9.	Matter	11		1SQ	1VSQ	1MCQ
10.	Materials of Daily Use(Acid, Base & Salt)		1LQ	1VSQ	1MCQ/1VSQ	

Third Formative Assessment

Estimated working days: 36

S.N.	Units	Th.	Pr.	Total
5.	Life process	12	3	15
7.	Energy in daily life (Light + Sound)	12	2	14
11.	The Earth & Space (Minerals)	2	1	3
	Total	26	6	32

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning				1SQ	1VSQ
2.	2.1 ICT Tools and their Use	9		1MCQ		
	2.2 Website, Search Engine and ISP			1VSQ		
	2.3 Social Networking Sites					1 LQ
	2.4 Cybercrime, Computer Ethics, Cyber Law, and Internet Security					
	2.5 Robotics and Virtual Reality					
3	Living Beings and Their Structure	12	1VSQ		1MCQ	
4.	Biodiversity and Environment		1MCQ	1SQ		
5.	Life process		1VSQ	1MCQ	1 LQ	1MCQ
6.	Force and Motion	18	1SQ			1VSQ
7.	7.1 Heat			1MCQ		1SQ
	7.2 Light			1 LQ	1MCQ/1SQ	
	7.3 Sound		1MCQ	1SQ		
11.	The Earth and Space (Minerals)				1SQ	
9.	Matter	11		1SQ	1VSQ	1MCQ
10.	Materials of Daily Use (Acid, Base and salt)		1 LQ	1VSQ	1MCQ/1VSQ	

Summative Assessment

Estimated working days: 52

S.N.	Units	Th.	Pr.	Total
2.	ICT (Artificial Intelligence and Cloud Computing)	5	2	7
8.	Electricity and Magnetism	8	2	10
10.	Materials of Daily Use (Water)	5	2	7
11.	The Earth and Space (Universe)	4	2	6
	Total	22	8	30

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	9	1VSQ	1SQ		
2.	Information and communication Technology				1SQ	1LQ
3	Living Beings and Their Structure	12			1LQ	
4.	Biodiversity and Environment		1MCQ	1SQ		
5.	Life process		1MCQ	1SD/1VSQ		1VSQ
6.	Force and Motion	18		1MCQ	1VSQ/1MCQ	1MCQ
7.	Energy in daily life				1VSQ/1SQ	1MCQ
8.	Electricity and Magnetism			1LQ	1MCQ	1SQ
11.	The Earth and Space		1SQ	1MCQ		
9.	Matter	11	1LQ	1MCQ	1MCQ	
10.	Materials of Daily Use		1VSQ	1VSQ	1SQ	1VSQ

Note: This syllabus is designed according to curriculum. Teachers are requested to improvise teaching hours (Theory/Practical) according to convenience or situation.

Course Division

Grade VII: 2083

Science and Technology

First Formative Assessment

Estimated working days: 61

S.N.	Units	Th.	Pr.	Total
1.	Scientific Learning	8	2	10
3.	Living Beings and Their Structures (Parts of Plants + Invertebrates)	8	2	10
6.	Force and Motion	8	2	10
9.	Matter	12	3	15
	Total	36	9	45

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ/1VSQ/1SQ	1LQ	1MCQ/1VSQ/1SQ	
3.	3.1 Parts of Plants	13	1MCQ		1VSQ	1LQ
	3.2 Invertebrates		1VSQ	1MCQ/1SQ	1SQ	1MCQ
6.	Force and Motion	17		2MCQ/1VSQ/2SQ	1MCQ/1SQ/1LQ	1MCQ/2VSQ
9.	Matter	8	1LQ	1VSQ	1MCQ	1SQ

Second Formative Assessment

Estimated working days: 64

S.N.	Units	Th.	Pr.	Total
2.	ICT(ICT and ICT Tools + Internet and Email)	6	6	12
3.	Living Beings and Their Structures (Cell: Basic Unit of Life)	4	1	5
7.	Energy in Daily Life (Energy + Heat and Temperature+ Sound+Light)	15	5	20
11.	The Earth and Space (Rocks +Planets)	4	2	6
	Total	29	14	43

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ		1SQ	
2.	ICT(ICT and ICT Tools + Internet and Email)		1VSQ/1SQ	1LQ	1MCQ/1VSQ	
3.	3.1 Parts of Plants	13	1MCQ		1VSQ	
	3.2 Invertebrates			1SQ		1MCQ
	3.3 Cell: Basic Unit of Life		1VSQ	1MCQ	1SQ	1LQ
6.	Force and Motion	17		1VSQ	1MCQ	1MCQ
7.	Energy in Daily Life (Energy + Heat and Temperature+Sound+Light)			1MCQ/2SQ	1LQ	1VSQ
11.	The Earth and Space (Rocks +Planets)			1MCQ	1SQ	1VSQ
9.	Matter	8	1LQ	1VSQ	1MCQ	1SQ

Third Formative Assessment

Estimated working days: 36

S.N.	Units	Th.	Pr.	Total
2.	ICT(Computer Software + Computer Virus and its remedy)	4	4	8
4.	Biodiversity and Environment	12	3	15
11.	The Earth and Space (The Moon)	1	1	2
10.	Materials Used in Daily Life (Acid, Base and Salt)	4	2	6
	Total	21	10	31

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ		1SQ	
2.	ICT(ICT and ICT Tools + Internet and Email)		1SQ		1VSQ	
	Computer Software + Computer Virus and its remedy)		1VSQ	1LQ	1MCQ	
3.	3.1 Parts of Plants	13		1SQ		1MCQ
	3.2 Invertebrates		1MCQ		1VSQ	
	3.3 Cell: Basic Unit of Life				1SQ	
4.	Biodiversity and Environment		1VSQ	1MCQ		1LQ
6.	Force and Motion	17		1SQ	1MCQ	
7.	Energy in Daily Life (Energy + Heat and Temperature)			1MCQ		1VSQ
	Sound + Light			1VSQ	1LQ	1VSQ
11.	The Earth and Space (Rocks +Planets)			1MCQ	1SQ	

	The Moon			1SQ		1MCQ
9.	Matter	8		1VSQ		1SQ
10.	Materials Used in Daily Life (Acid, Base and Salt)		1LQ		1MCQ	

Summative Assessment

Estimated working days: 52

S.N.	Units	Th.	Pr.	Total
2.	ICT(Spreadsheet + Photo Editing)	5	5	10
5.	Life Process	7	3	10
8.	Electricity and Magnetism	11	4	15
11.	The Earth and Space (Shadow and Eclipse)	1	1	2
10.	Materials Used in Daily Life (Metals and Non-metals)	3	1	4
	Total	27	14	41

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ		1SQ	
2.	ICT(ICT and ICT Tools + Internet and Email)				1VSQ	
	Computer Software + Computer Virus and its remedy)		1VSQ		1MCQ	
	Spreadsheet + Photo Editing		1SQ	1LQ		
3.	3.1 Parts of Plants	13		1SQ		1MCQ
	3.2 Invertebrates		1MCQ		1VSQ	
	3.3 Cell: Basic Unit of Life				1SQ	
4.	Biodiversity and Environment		1VSQ			
5.	Life Process			1MCQ		1LQ
6.	Force and Motion	17		1SQ	1MCQ	
7.	Energy in Daily Life (Energy + Heat and Temperature)			1MCQ		1VSQ
	Sound + Light			1VSQ	1SQ	
8.	Electricity and Magnetism			1MCQ	1LQ	
11.	The Earth and Space (Rocks +Planets)					1MCQ
	The Moon			1SQ		
	Shadow and Eclipse					1VSQ
9.	Matter	8				1SQ
10.	Materials Used in Daily Life (Acid, Base and Salt)				1MCQ	
	Metals and Non-metals		1LQ	1VSQ		

Note: This syllabus is designed according to curriculum. Teachers are requested to improvise teaching hours (Theory/Practical) according to convenience or situation.

Course Division

Grade VI: 2083
Science and Technology

First Formative Assessment

Estimated working days: 61

S.N.	Units	Th.	Pr.	Total
1.	Scientific Learning	8	2	10
3.	Organisms and Their Structures	11	4	15
6.	Force and Motion	8	2	10
9.	Matter	12	3	15
	Total	39	11	50

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ/1VSQ/1SQ	1LQ	1MCQ/1VSQ/1SQ	
3.	Organisms and Their Structures	13	1MCQ/1VSQ	1MCQ/1SQ	1VSQ/1SQ	1LQ/1MCQ
6.	Force and Motion	17		2MCQ/1VSQ/2SQ	1MCQ/1SQ/1LQ	1MCQ/2VSQ
9.	Matter	8	1LQ	1VSQ	1MCQ	1SQ

Second Formative Assessment

Estimated working days: 64

S.N.	Units	Th.	Pr.	Total
2.	ICT (Technology + Uses of smart phones and computer in our daily life)	4	2	6
4.	Biodiversity and Environment (Environment and Its Balance)	5	2	7
7.	Energy in Daily Life (Energy + Heat+Sound+Light)	16	4	20
11.	Earth and Space (Soil + The Earth)	4	2	6
10.	Materials Used in Daily Life (Some Useful Chemicals)	5	1	6
	Total	34	11	45

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1MCQ/1SQ		1SQ/1VSQ	
2.	ICT (Technology + Uses of smart phonesand computer in our daily life)		1VSQ	1LQ	1MCQ	
3.	Organisms and Their Structures	13		1MCQ	1VSQ/1SQ	1MCQ
4.	Biodiversity and Environment (Environment and Its Balance)		1MCQ/1VSQ	1SQ		1LQ

6.	Force and Motion	17		1VSQ/1 SQ	1MCQ	1MCQ
7.	Energy in Daily Life (Energy + Heat+Sound+Light)			1MCQ/1SQ	1LQ	1VSQ
11.	Earth and Space (Soil + The Earth)			1MCQ	1SQ	1VSQ
9.	Matter	8			1MCQ	1SQ
10.	Materials Used in Daily Life (Some Useful Chemicals)		1LQ	1VSQ		

Third Formative Assessment

Estimated working days: 36

S.N.	Units	Th.	Pr.	Total
2.	ICT (Computer)	16	8	24
4.	Biodiversity and Environment (Ecosystem)	6	2	8
	Total	22	10	32

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1SQ		1MCQ	
2.	ICT (Technology + Uses of smart phones and computer in our daily life)		1VSQ		1SQ	
	Computer		1MCQ	1LQ	1VSQ	
3.	Organisms and Their Structures	13		1SQ		1MCQ
4.	Biodiversity and Environment (Environment and Its Balance)		1MCQ		1SQ	
	Ecosystem		1VSQ	1MCQ	1VSQ	1LQ
6.	Force and Motion	17		1 SQ	1MCQ	
7.	Energy in Daily Life (Energy + Heat)			1MCQ	1SQ	
	Light + Sound			1MCQ/1SQ	1LQ	1VSQ
11.	Earth and Space (Soil + The Earth)			1VSQ		1MCQ/1VSQ
9.	Matter	8			1MCQ	1SQ
10.	Materials Used in Daily Life (Some Useful Chemicals)		1LQ	1VSQ		

Summative Assessment

Estimated working days: 52

S.N.	Units	Th.	Pr.	Total
5.	Life Process	8	2	10
8.	Electricity and Magnetism	11	4	15
11.	Earth and Space (Solar System)	3	1	4
10.	Materials Used in Daily Life (Metals and Non-metals)	3	1	4
	Total	25	8	33

Matrix

S.N.	Units	Marks	Cognitive level			
			K(20%)	U(30%)	A(30%)	HA(20%)
1.	Scientific Learning	12	1SQ		1MCQ	
2.	ICT (Technology + Uses of smart phones and computer in our daily life)		1VSQ		1SQ	
	Computer		1MCQ	1LQ	1VSQ	
3.	Organisms and Their Structures	13		1SQ		1MCQ
4.	Biodiversity and Environment (Environment and Its Balance)		1MCQ		1SQ	
	Ecosystem			1MCQ	1VSQ	
5.	Life Process		1VSQ			1LQ
6.	Force and Motion	17		1 SQ	1MCQ	
7.	Energy in Daily Life (Energy + Heat)			1MCQ		1VSQ
	Light + Sound			1SQ		1VSQ
8.	Electricity and Magnetism			1MCQ	1LQ	
11.	Earth and Space (Soil + The Earth)			1VSQ		1MCQ
	Solar System				1SQ	
9.	Matter	8				1SQ
10.	Materials Used in Daily Life (Some Useful Chemicals)				1MCQ	
	Metals and Non-metals		1LQ	1VSQ		

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