

Subject: Science



Syllabus Breakup for Grade: VI for the Session-2026-27

Book: Cambridge lower secondary book 7

Week #	Dates	No of Working Days	Detail of the Topics	%	Review
1	Aug 12 - Aug 13	2 (Pakistan Independence Day)	Warm up session (orientation of syllabus), Index pasting and Baseline Test		
2	Aug 16 - Aug 20	5	Unit 1 Cells .1.1Plant cells AFL Activity making a model of a plant cell (Bk pg # 10 & 11Qs on notebook) Lab: Looking at plant cell through microscope, making a model of plant cell, WB pg # 1-3 H.W WB pg # 4	4%	
3	Aug 23 - Aug 27	4(Eid Milad un Nabi)	1.2 Animal cell AFL activity looking at animal cell through microscope(book pg #14,15 Qs on note book). H.W WB pg # 5, 6, 1.3 Specialized cells Activity Structure and function in animal cell and in plant cell (BK pg # 19, 20, 21 Qs on note book) WK pg# 7,8 and H.W Wk pg # 9 Difference between two specialized cells.	7%	
4	Aug 30 - Sep 03	5	1.4 Cells tissue and organs AFL activity Organs and system in humans (Book pg # 23 Qs on note book) H.W Bk pg # 24 Q3, WB pg #11,12, 13, 14,15, CHECK YOUR PROGRESS, UNIT END WORK SHEET , CLASS TEST	10%	
5	Sep 06 - Sep10	5	Unit 2 Materials and their structure 2.1 Solids, liquids and gas (Bk pg # 30,32 Qs on notebook) AFL activity Modelling the particles in solid liquid and gases and particle theory(note book), WB pg # 16,17,18,19, H.W book pg # 20 & 21, 2.2 Changes of state Lab: which change of state? AFL Activity Measuring the temperature (Book pg # 36, 37, 38, 39 Qs on note book)WB pg # 22, 23, 24, 25	14%	
6	Sep 13 - Sep 17	5	2.3 Explaining changes of state AFL Activity: Modelling the changes of state (Bk pg # 43, 44, 45 Qs on notebook) WB pg # 26, 27, 28, 29, 2.5 Atoms elements and periodic table. Research work (key words, exploring meanings and their uses),(Bk pg 53 on notebook) Planning and discussion on Stem Project. Note-2.4 not included.	17%	
7	Sep 20 - Sep 24	5	2.5 Atoms elements and periodic table. (Bk pg 55 Qs on notebook) AFL activity (learning the symbols for the element Bk pg # 56 on note book) WB pg # 32, 33, 34 2.6 Compounds and formulae (Bk pg 59, 60, 62 Qs on notebook) WB pg # 34, 35, 37 H.W WB pg # 36(complete the table). Planning and discussion on Stem project	20%	
8	Sep 27 - Oct 01	5	2.7 Compounds and Mixtures Lab and AFL Activity (Bk pg # 67, 68, 69 Qs on note bookwork) WB pg # 38, 39, H.W WB pg40,41 CHECK YOUR PROGRESS CLASS TEST, UNIT END WORKSHEET.	24%	
9	Oct 04 - Oct 08	5	REVISION +ASSESSMENT NO.1 2026(Tentative)		
10	Oct 11 - Oct 15	5	UNIT 3 Forces and Energy 3.1 Gravity , weight and mass (BK pg # 76, 77, 78, 79, 80, 81 Qs on notebook), AFL activity: Mass or weight (on Bk pg # 81) Think like scientist: linking weight and mass research based (BK pg 82, 83 challenge and research based question on note book) WBpg # 42,43,44,45,46,47,	27%	
11	Oct 18 - Oct 22	5	3.2 Formation of solar system (BK pg # 88), AFL. activity using model (BK pg # 89 on notebook) WB pg # 49, 50 H.W matching column WB pg # 51, Assigning of stem project. Note -3.3 & 3.4 not included. 3. 5 Energy (BK pg #109 on book), WK BK pg# 59, 60, 61, 62.	30%	
12	Oct 25 - Oct 29	5	3.6 Changes in Energy (BK pg # 114 on book), AFL activity: Candle Energy (BK pg #116 on note book), WB pg # 63, 64, 65. 3.7 Where does this energy go (BK pg # 119 on book), Activity: Ripple tank in note books, Research based activity: Energy dissipation (BK pg # 122 Qs on note books) WK pg # 66, 67, H.W WB pg # 68 & 69, CHECK YOUR PROGRESS , UNIT END WORK SHEET ,CLASS TEST Submission and working on Stem Project	37%	
13	Nov 01 - Nov 05	5	Unit 4 Grouping and identifying Organisms 4.1 charectristics of living organisms (BK pg #129), WK pg # 72, 73, H.W WB pg # 71, 4.2 Virus AFL activity: makig a model of virus Activity Are virus alive? (BK pg # 133 on book), WK pg # 74, 75, 4. 3 What is specie? AFL activity: comparing two specie of elephants (book pg #136 on Book) Think like scientist: comparing organism belonging to different specie on note book) WK pg # 76, 77, 78, 79, H.W WB pg # 80)	40%	
14	Nov 08 - Nov 12	5	4.4 Using keys (Bk pg # 140 on book) Think like scientist: using key to identify fish (Bk pg # 142 on note book), WB pg # 82, 83, 84, 85, 86 4.5 Constructing keys AFL activities: making keys, writing a key to identify species of cats (BK pg # 145 & 146 Qs on note book)pg # 87, 88 CHECK YOUR PROGRESS, UNIT END WORK SHEETS , CLASS TEST	45%	
15	Nov 15 - Nov 19	5	Revision		
16	Nov 22 - Nov 26	3(Oman National Day)	Mid Term Examination Grade 2 to 8 (Nov 22, 2026 to Dec 11, 2026)		
17	Nov 30 - Dec 03	5	Mid Term Examination Grade 2 to 8 (Nov 22, 2026 to Dec 11, 2026)		
18	Dec 06 - Dec 10	5	Mid Term Examination Grade 2 to 8 (Nov 22, 2026 to Dec 11, 2026)		
19	Dec 13 - Dec 17	-	Sports Week		
20	Dec 20 - Dec 31		Winter Break From (Dec 20, 2026 to Dec 31, 2026)		
21	Jan 03- Jan 07	4 (Isra ul Mairaj)	Unit 5 Properties of Materials 5.1 Metals and non metals BK pg # 154, 156 Qs on note books)WB pg # 89, 90, 91 5.2 Comparing metals and non metals Bk pg # 158, 159 Research Base Question, AFL Activity: Researching metals and non metals (BK pg # 160 Qs note book),WK pg # 92,93, H.W WB pg # 94, Analysis and presentation of Stem project	48%	
22	Jan 10 - Jan 14	4 (H.M.Sultan's Accession Day)	5.3 Metal mixtures AFL activity: modelling a metal and an alloy (Bk pg # 163, 165, 166,168 Qs on note book), WBpg # 97, 98, H.W WK Bk pg # 96 5.4 Using the properties of materials to separate mixtures AFL & Lab activity (BK pg # 171, 172 Qs on note book), WB pg # 100, 101, 102	50%	

23	Jan 17 - Jan 21	5	.5.5 Acid and Alkalis (Bk pg # 174, 178 Qs on note book), WB pg # 103,H.W WB pg # 104, Stem project building models develop proto type record ervations , take videos/ photos of process	52%	
24	Jan 24 - Jan 28	5	5.6 Indicators and the pH scale Lab activity (Bk pg # 180, 181, AFL / lab activity making your own indicator, investigating the PH of different substance (Bk pg # 182, 184 Qs on note book WK pg # 105, 106, 107 H.W WB pg #108(indicators), Stem project building models develop proto type record observations , take videos/ photos of process,	55%	
25	Jan 31 - Feb 04	5	5.6 Indicators and the pH scale Lab activity (Bk pg # 180, 181, AFL / lab activity making your own indicator, investigating the PH of different substance (Bk pg # 182, 184 Qs on note book) CHECK YOUR PROGRESS , Unit END WORK SHEETS , CLASS TEST Stem Project test models or experimental results , identify errors improve design repeat tests if required	57%	
26	Feb 07 - Feb 11	5	Unit 6 Earth Physics 6.1 sound waves (Bk pg 193, 194, 195, 196 Qs on notebook) AFL activity: modelling sound waves , sound and vibration (on Bk pg # 197 & 198, Bk pg # 199 & 200 on notebook)WB pg # 109, 110, 111 H.W Research based Qs pg # 112	60%	
27	Feb 14 - Feb 18	5	, 6.2 Reflection of sound (Bk pg # 205, 206, 207 on book) AFL activity (Bk pg # 208 & 209 on note book), WB pg # 122 - 117 CHECK YOUR PROGRESS UNIT END WORK SHEETS, CLASS TEST	62%	
28	Feb 21 - Feb 25	4 (Oman Teacher's Day)	Unit 7 Microorganisms in the Environment 7.1 Microorganism AFL Activity (Bk pg # 235, 236, 237 Qs on note book) WB pg # 126, 127, 128	65%	
29	Feb 28- Mar 04	5	7. 2 Food chains and food webs Bk pg # 241, describing a food web and using food web as a model AFL activity 242, 243 (on note book) WK pg# 129, 130, 131, constructing a food web W B pg# 132 H.W	67%	
30	Mar 07 - Mar 11	3 (Eid-ul-Fitr)	7. 3Microorganism and decay BK pg# 245 AFL activity investigating moisture effect on decay process 246. 248(on note book)W B pg# 133, 134, 135, 136, 137, 138 , 139	70%	
31	Mar 14 - Mar 18	5	Revision + Assessment No 2, March 2027 (Tentative)		
32	Mar 21- Mar 25	5	7.4Microorganisms in Food web (AFL activity , decomposing fruits , are all decomposers microorganism? BK pg# 251, 252, 253 (on note book)WB pg# 140 , 141 H.W CHECK YOUR PROGRESS, UNIT END WORK SHEETS , CLASS TEST	72%	
33	Mar 28 - Apr 01	5	Unit 8 Changes to Materials 8.1 simple chemical reactions (lab activity burning magnesium AFL Activity reactions with water and acids BKpg# 263, 266, 267(on note book) WB pg#142, 143, 144, 145, 146	75%	
34	Apr 04 - Apr 08	5	8.2 Neutralisation AFL Activity Rainbow neutralisation , testing soil pH BK pg#269, 272, 274(on note book)WB pg#147, 148 , 149 H.w WB pg#151 neutralisation process CHECK YOUR PROGRESS , UNIT END WORK SHEETS ,CLASS TEST	80%	
35	Apr 11 - Apr 15	5	Unit 9 Electricity 9. 1 Flow of electricity BK pg3 296(on book) Activity Modelling electron flow and making prdictions about currentbook pg3 297. 298(on note book)WB pg# 164, 165 H.w 9.2 Electrical Circuit BK pg# 302 (on book) AFL activity drwing circuit diagrams and circuit uses BK pg#302, 303 (on note book) WB pg#166. 167 H.W circuits and symbols	85%	
36	Apr 18 - Apr 22	5	9. 3.Measuring the flow of current BK pg# 306 (on book)AFL activity making prediction about curent(on note book) WB pg3 168, 169 9.4 Conductor and insulator BK pg# 313 , (on book)AFL activity conductor or insulator Research Which material is conductor or insulator BK pg3 315(on note book) WB pg# 170 , 171 H.W Changing the number of cells or lamps	90%	
37	April 25 - Apr 29	5	9. 5.Adding or removing components BK pg# 319. 320(on book) AFL Activity model circuits , measuring current BK pg#321. 322(on note book)WB pg# 172, 173 , 174 H.W CHECK YOUR PROGRESS, UNIT END WORK SHEETS , CLASS TEST	100%	
38	May 02 - May 06	5	Revision		
39	May 09 - May 13	5	Revision		
40	May 16 - May 20	1(Eid-ul-Adha)	Revision		
41	May 23 - May 27	5	Final Term Final Exams (From May 23, 2027 - June 06 2027)		
42	May 30 - June 03	5	Final Term Final Exams (From May 23, 2027 - June 06 2027)		
Annual Result Day (June 17, 2027)					Annual Examination

Key*. Bk Pg =Book page, WB=Work book, AFL=Assessment for learning,