BOARD OF ELEMENTARY EXAMINATION
GILGIT–BALTISTAN
No. BEEGB (G)-2(1) Exam (Secrecy)/2025
Gilgit, the 16th March, 2026

To,

The Deputy Director Education, Gilgit, Ghizer,Hunza,Nager , Diamer,Astore, Skardu,Ghanche,Shiger & Kharmang

Subject: **REQUEST FOR DISSEMINATION AND IMPLEMENTATION OF SYLLABUS BREAK UP DOCUMENTS FROM GRADE 6 TO 8 FOR THE ACADEMIC SESSSION 2026**

As per past practice the BEEGB academic team in collaboration with CPLICs and the subject experts of SEDGB Baltistan and Gilgit Division has prepared syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Considering the suggestions of the stakeholders of SEDGB the documents for this academic session will be disseminated class-wise, subject-wise and zone -wise separately to make them easily accessible for all stakeholders instead of sending all documents in a single file which becomes very bulky and cannot be downloaded easily.

In this regard, all the respected DDEs are requested to distribute the said documents among all stakeholders and ensure proper implementation in true letter and spirit please.

(Abdul Hamid)
Controller Board of Elementary
Examination Gilgit- Baltistan
Phone #: 05811-940888

Copy for Information to:

1. The Secretary SEDGB
2. The DG SEDGB
3. The Divisional Director Gilgit, Baltistan and Diamer- Astore
4. The Divisional Assistant Controllers BEEGB for Gilgit,Baltistan and Diamer-Astore

ACKNOWLEDGEMENT

The BEEGB Academic team extends its gratitude to the following subject experts of SEDGB for their cooperation in preparing the syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB **Technical Support : Mr. Akbar Ali DD IT BEEGB**				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
1	English	Mr. Javed Iqbal CPLIC, TSDC	Mr. Mubarak Hussain CPLIC, TSDC	Ms. Afshan Nasir Instructor, CoE for Women Gilgit
2	Urdu	Ms. Sabika Khatoon SST, GHS Khomer Gilgit	Mr. Shakeel Hussain EST,BHS Minawer Gilgit	Nasir Abbas CPLIC, TSDC
3	Mathematics	Mr. Aziz Ahmad CPLIC, TSDC	Mr. Sajjad Hussain DD Finance & SE Maths, BEEGB	Mr. Dlair Shah Subject Expert (SE) Maths, BEEGB
4	Science	Mr. Asghar Ali CPLIC, TSDC	Mr. Abdul Bari DD Conduct & SE Science, BEEGB	Mr. Abdul Ghaffar AD Secrecy & SE Science, BEEGB
5	Islamiat	Mr. Nasir Hussain OT, BMS Jutal	Dr. Ikram uddin CPLIC, TSDC	Mr. Faqir Muhammad DD Admin and SE Islamiat, BEEGB
6	Geography	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB
7	History	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB Technical Support : Mr. Akbar Ali DD IT BEEGB				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
8	Computer Science	Ms. Nida Shaheen IT Expert, BEEGB	Mr. Shoukat Ali AD Conduct and SE, BEEGB	Ms. Nida Shaheen IT Expert, BEEGB
9	Agriculture	Mr. Ghulam Rasool TGT, HS No.1 Skardu	Mr. Maqsood Hussain TG, BHS Keris	Mr. Tariq Hussain CPLIC, TSDC
10	Drawing	Kacho Sadaqat FP,BEEGB Office Skardu	Mr. Ali Muhammad TGT, BHS Keris	Mr. Khadim Hussain AD IT & SE, BEEGB
11	Home Economics	Ms. Siddiqa Batool EST, GHS Skardu	Ms. Amber Rehman EST, GHSS Kashrote Gilgit	Ms. Muneera Akhtar Instructor, CoE for Women Gilgit
12	Arabic	Mr. Abdul Aziz OT BHS No.1 Gilgit	Mr. Abdul Basit OT BHS Hatoon Ghizer	Mr. Qasim Iqbal OT BHS Konodass Gilgit

SCHEME OF STUDIES AND CENTRALIZED SLO BASED SYLLABUS BREAK-UP 2026
GRADE 8 – EXTREME SUMMER ZONE

Subject: General Science **Class: Eight (8)**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		Students will be able to:	**K**	**U**	**A**		**From**	**To**
1. Ecology	Carbon and Oxygen Cycle	1. Describe the role of living things in cycling oxygen and carbon through an ecosystem, citing the processes of respiration, photosynthesis, and combustion.		✓		**2**	05 Jan. 2026	06 Jan. 2026
		2. Relate how oxygen and carbon cycles are complementary processes that bring balance and symmetry to life on Earth.		✓		**2**	07 Jan. 2026	08, Jan. 2026
	Global Warming	3. Describe global warming and explain how threats to the carbon-oxygen balance such as overpopulation, reliance on fossil fuels, and deforestation are contributing to global warming and climate change.			✓	**2**	09 Jan, 2026	10, Jan 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
	Interactions in Ecosystem	4. Describe and illustrate through examples key ecological relationships between organisms, including competition, predation and symbiosis.		✓		**2**	12, Jan 2026	13 Jan 2026
	Flow of energy in an ecosystem	5. Describe how energy flows from producers to consumers, and how only part of the energy flows from one level of the pyramid to the next.		✓		**2**	14, Jan 2026	15, Jan 2026
		6. Draw a food web diagram to illustrate the food relationship between organisms.			✓	**1**	16, Jan 2026	-------
	Changes in an Ecosystem and its effects	7. Predict how changes in an ecosystem (e.g., changes in the water supply, the introduction of a new population, hunting, migration) can affect available resources, and thus the balance among population.		✓		**2**	17 Jan 2026	19, Jan 2026
	Positive Impact of Human on Ecosystem	8. Hypothesize what would happen in the ecosystem if the population of one of the participants in different ecological relationships is		✓		**2**	20, Jan 2026	21, Jan 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		affected.						
		9 Explain ways in which human behavior (e.g., replanting forests, reducing air and water pollution, protecting endangered species) can have positive effects on the local environment		✓		**1**	22, Jan 2026	-----
	Practical	10 The concerned teacher will select any practical from the chapter.			✓	**1**	23, Jan 2026	------
		Revision and Unit End Assessment				**5**	24 Jan 2026	29 Jan 2026
2. Human Nervous System	Neuron and its Types	1. Identify the organs, functions and processes of the Human Nervous System.		✓		**2**	30, Jan 2026	31, Jan, 2026
		2. Describe the types and function of neurons in transmitting messages through body.		✓		**1**	02, Feb., 2026	**-------**
		3.Predict what would happen if a nerve connection broke		✓		**1**	03, Feb., 2026	**-------**
	Parts of Human Nervous System	4. Sketch and label a diagram of the Human Nervous System.			✓	**1**	04, Feb., 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
	Brain	5. List the three major parts of the brain — cerebrum, cerebellum, the fore brain, mid brain and hind brain, & describe their various functions.	✓			**2**	06, Feb., 2026	07, Feb., 2026
		6. Describe the structure of the cerebrum, its division into two hemispheres (left and right) and the role of each hemisphere in the control of the body.		✓		**2**	09 Feb., 2026	10 Feb., 2026
	Voluntary and Involuntary actions	7. Explain how the brain works as the control station of the human body.		✓		**1**	11 Feb., 2026	**-------**
		8. Match various body functions with the relevant part of the brain that controls or regulates them (For instance, associating breathing with the brain stem).		✓		**1**	12 Feb., 2026	**-------**
	Reflex arc	9. Map the various steps in the transmission of messages through the body and to the brain via a reflex arc.			✓	**1**	13, Feb., 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
	Activities to Keep Your Brain Healthy	10. Create a plan of activities and exercises they can do to maintain a healthy brain.			✓	**1**	14, Feb., 2026	**-------**
	Practical	11.The concerned teacher will select any practical from the chapter.			✓	**1**	16, Feb., 2026	**-------**
		Revision and Unit End Assessment				**5**	17 Feb., 2026	21, Feb., 2026
3.Variation, Heredity and Cell Division	Genetics	1. Recognize Genetics as the study of heredity.	✓			**1**	23, Feb., 2026	**-------**
	Variations and Adaptation	2. Describe variation and adaptation in living organisms.	✓			**1**	24, Feb., 2026	**-------**
		3. Explain and illustrate the differences between variation and adaptation.		✓		**1**	25, Feb., 2026	**-------**
		4. Identify sources of variation from environmental and genetic factors.		✓		**1**	26, Feb., 2026	**-------**
		5. Explain how different adaptations affects the chances of survivals of different species of		✓		**1**	27, Feb., 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		organism.						
	Chromosome and DNA	6. Differentiate between the concept of genes and chromosomes and relate them to how genetic characteristics are inherited.		✓		**1**	28, Feb, 2026	---
		7. Describe the composition and structure of DNA.		✓		**1**	02, March, 2026	-----
		8. Design a model of DNA to demonstrate its structure, functions, and various components.			✓	**2**	03 March, 2026	04, March, 2026
	Cell Division	9. Describe cell division and its types — mitosis and meiosis and relate them to the passage of genetic information through reproduction..	✓			**1**	05, March, 2026	----
		10. Explain the process of mitosis and meiosis and identify their key phases.		✓		**2**	06 March, 2026	07 March, 2026
	Practical	11. The concerned teacher will select any practical from the chapter.			✓	**1**	09, March, 2026	-----

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		Revision and Unit End Assessment				**2**	10, March, 2026	11, March, 2026
4. Biotechnology	Introduction	1. Define biotechnology as the use of living cells and organisms in products and processes that can improve the quality of life.	✓			**2**	12, March, 2026	13, March, 2026
	Applications of Biotechnology in the Field of Food, agriculture and medicine	2. Discuss the applications of biotechnology in the Pakistani context and their effects on the people and the environment of Pakistan over time. Illustrative examples: bread-making, making of yogurt and cheese, vaccines for immunization, insulin production, dyes, etc.			✓	**2**	14, March, 2026	16, March, 2026
		3. Illustrate how biotechnology is a discipline/field that has the potential to transform how we live.		✓		**1**	17, March, 2026	------
		4. Relate the use of biotechnology in food sciences in producing foods with higher nutritional value and improved taste and quality (how fermentation has been improved by		✓		**2**	18, March, 2026	19, March, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		genetically modified organisms).						
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	20, March, 2026	
		Revision and Unit End Assessment				**3**	24, March 2026	26, March, 2026

B. Physical Science

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
5. The Periodic Table of Elements	Introduction	1. Recognize Periodic Table as a way of classifying the elements in groups and periods.		✓		**2**	27, March, 2026	28, March, 2026
		2. Identify the names and location of the first 18 elements only.	✓			**1**	30, March, 2026	
	Classification of Elements	3. Identify properties of metals and	✓			**1**	31, March, 2026	

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		non-metals.						
	Uses of Metals	4. Relate the properties to the uses of metals.		✓		**2**	01, April, 2026	02, April, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	03, April, 2026	**----**
		Revision and Unit End Assessment				**3**	04,April, 2026	07, April, 2026
6. Chemical reaction and Bonding	Chemical Reactions	1. Define chemical reaction and give examples	✓			**1**	08, April, 2026	
	Chemical Equation and Balancing	2. Write and balance chemical equations.			✓	**2**	09, April, 2026	10, April, 2026
	Law of Conservation of Law	3. Define the Law of Conservation of Mass and demonstrate the law with an experiment.			✓	**2**	11, April, 2026	13, April, 2026
	Types of Chemical Reaction	4. Distinguish between different types of reactions (combination, displacement, double displacement, combustion).		✓		**2**	14, April, 2026	15 April, 2026
	Energy Changes in Chemical Reactions	5. Distinguish between endothermic and exothermic reactions. Recognize the importance of exothermic and endothermic reactions in daily life.	✓			**1**	16, April, 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		6. Recognize the importance of exothermic and endothermic reaction in daily life		✓		**1**	17 April, 2026	-------
	Chemical Bonds	7. Define chemical bond and its types.	✓			**1**	18, April, 2026	**------**
	Formation of chemical bond	8. Discuss formation of ionic bonds as a result of electrostatic forces between atoms (e. g., NaCl		✓		**2**	20, April, 2026	21, April, 2026
		9. Discuss types and formation of covalent bond as a result of mutual sharing of electrons between atoms (e. g., Hz, 02, N2).		✓		**2**	22, April, 2026	23, April, 2026
		10 Draw cross and dot structures showing formation of ionic compounds and covalent compounds.			✓	**2**	24, April, 2026	25, April, 2026
	Uses of some chemical compounds	11. Identify uses of some ionic and covalent compounds in daily life.	✓			**1**	27, April, 2026	**---**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	28, April, 2026	**---**
		Revision and Unit End Assessment				**3**	29, April, 2026	02, May 2026
7. Acids, Bases	Introduction to Acids, Bases and	1.Define acids, bases and salts	✓			**1**	04, May 2026	**---**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
and Salts	Salts	2. Classify acids, bases, and salts and give examples of each.		✓		**1**	05, May 2026	
	Properties of Acids, Alkalies and Salts	3. Identify the physical properties of acids, alkalis, and salts.	✓			**1**	06, May 2026	
	Uses of Acids, Alkalies and Salts	4. Observe and write the uses of acids, bases, and salts in daily life.			✓	**2**	07, May 2026	08, May 2026
	Neutralization Reaction	5. Describe neutralization reaction with real life examples.		✓		**2**	09, May 2026	11, May 2026
	pH Scale and its range with reference to indicator	6.Define pH and its ranges with reference to indicators		✓		**2**	12, May 2026	13,May, 2026
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	14, May,2026	
		Revision and Unit End Assessment				**2**	15, May,2026	16, May, 2026
8. Force and Pressure	Force and its types	1. Define force, units and its types with examples.	✓			**1**	18, May, 2026	**--------**
		2. Examine the effect of balanced and unbalanced force on an object.			✓	**2**	19, May, 2026	20, May,2026
		3. Examine the effect of force in the presence of air pressure.			✓	**1**	21, May, 2026	**-----**
	Pressure	4. Define ‘pressure’ with examples and	✓			**1**	22, May, 2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		its unit.						
		5. Relate pressure with force and area.		✓		**1**	23, May,2026	**-------**
		6. Investigate effects related to pressure (e.g., water pressure increasing with depth, a balloon expanding when inflated, etc.).			✓	**1**	25, May,2026	**--------**
	Buoyancy	7. Differentiate between floating and sinking objects in terms of density.			✓	**1**	26, May,2026	**-------**
	Hydraulic Elevator	8. Make a hydraulic elevator. (STEAM)			✓	**2**	30, May, 2026	01 June, 2026
	Rocket	9. Build a two stage rocket model. (STEAM)			✓	**2**	02, June, 2026	03,June, 2026
	Practical	10. The concerned teacher will select any practical from the chapter.			✓	**1**	04, June, 2026	**-----**
9. Reflection and Refraction of		**Revision and Unit End Assessment**				**2**	05, June, 2026	06, June, 2026
	Properties of Light and Ray Model of Light	1. Identify basic properties of light (i.e., speed, transmission through different media, absorption, reflection and dispersion).		✓		**2**	08, June,2026	09, June, 2026
	Laws of Reflection	2. State the Laws of Reflection.	✓			**1**	10, June , 2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
Light	Plane Mirror, Image formation and characteristic	3. Describe and show how an image is formed by the plane mirror.			✓	**1**	11, June, 2026	------
		4. Illustrate the characteristics of image formed by plane mirror.		✓		**1**	12, June, 2026	------
	Colour	5.Investigate that light is made up of many colors			✓	**1**	13, June, 2026	------
		6.Relate the apparent color of objects to reflected or absorbed light		✓		**1**	15, June, 2026	------
	Refraction of light	7. Distinguish between reflection and refraction of light with daily life examples.		✓		**1**	16, June 2026	------
		8. Explain that light is refracted at the boundary between air and any transparent material.		✓		**1**	17, June, 2026	------
	Spherical mirrors	9. Identify spherical mirror, describe the characteristics of image(s) formed by concave mirrors and convex mirrors..		✓		**2**	01, September, 2026	02, September, 2026
		10. Describe different optical instruments which use curved mirrors.		✓		**1**	03, September 2026	------
		11. Describe use of different optical instruments with plane in which		✓		**1**	04, September 2026	------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		spherical mirrors are used.						
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	05, September 2026	
		Revision and Unit End Assessment				**3**	07,September, 2026	09, September, 2026
10. Electricity and Magnetism	Electric Current	1. Define current and its SI unit.	✓			**1**	10, September, 2026	------
	Voltage	2. Define voltage and its SI unit.	✓			**1**	11,September, 2026	------
	Resistance	3.Define resistance and its SI unit	✓			**1**	12,September, 2026	------
		4. Formulate that resistance is the ratio of voltage to current.			✓	**1**	14,September, 2026	------
	Electrical Power	5. Define electric power and its unit.	✓			**1**	15, September, 2026	------
		6. Recognize the electric power of various electrical appliances.		✓		**1**	16, September, 2026	------
	Electric Safety Devices	7. Recognize the terms earth wire, fuse, circuit breaker.		✓		**1**	17, September,2026	------
		8. Analyze the danger of overloading and short circuit and identify the importance of earth wire, fuses and circuit breakers.			✓	**2**	18, September, 2026	19, September, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
	Potential Hazards in using Electricity	9. List precautionary measures to ensure the safe use of electricity.	✓			**1**	28, September, 2026	
	Electromagnets and Applications	10. Describe the properties that are unique to electromagnets (i.e. The strength varies with current, number of coil, and types of metals in the core, the magnetic attraction can be turned on and off, and the poles can switch)			✓	**2**	29, September, 2026	30, September, 2026
		11. Investigate the factors that the effect the strength of an electromagnet.		✓		**1**	01, October ,2026	**----**
		12. Describe briefly the working principles of electromagnetic devices such as speaker, doorbell.	✓			**2**	02, October, 2026	03,October, 2026
	Practical	13.The concerned teacher will select any practical from the chapter.			✓	**1**	05,October, 2026	**-----**
	Revision and Unit End Assessment					**3**	06, October, 2026	08. October, 2026
11. Technology in everyday life	Application of Acids and Bases in technology	1. Make bio plastic from milk and vinegar as an application of biotechnology.			✓	**2**	09, October, 2026	10, October, 2026
		2. Make toothpaste, soap and detergent as an application of acids and bases in			✓	**2**	12, October, 2026	13, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
		daily life.						
		3. Design a car that is powered solely by a chemical reaction and can travel.			✓	**2**	14, October, 2026	15, October, 2026
	Designing a concave Mirror type solar cooker	4. Assemble a concave mirror type solar cooker to convert solar energy into heat energy.			✓	**2**	16, October, 2026	17, October, 2166
	Deigning a Wind Turbine	5. Assemble and operate a simple wind turbine to produce electricity.			✓	**3**	19, October, 2026	21, October, 2026
	Working of UPS	6. Demonstrate the working of UPS and use it to operate a fan or energy saver bulb.			✓	**2**	22, October, 2026	23, October, 2026
	Practical	7.The concerned teacher will select any practical from the chapter.			✓	**1**	24, October, 2026	**---**
		Revision and Unit End Assessment				**3**	26, October, 2026	28, October, 2026

C. Earth and Space Science

12. Our Universe	Galaxies	1. Explore and understand the terms, galaxy and Compare the types of galaxies		✓		**2**	29, October, 2026	30, October, 2026
	The Milky way Galaxy	2. Define term Milky Way galaxy	✓			**1**	31, October, 2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Summer	
	The Life of Stars	3. Relate the life of a star with the formation of black hole, neutron star. Pulsar White Dwarf, Red Giant.		✓		**2**	02, November, 2026	03, November, 2026
	The Life of Sun	4. Discuss the birth and eventual death of our sun.	✓			**2**	04, November, 2020	05, November, 2026
	Information From Space	5. Show how information is collected from space by using telescopes (e.g., Hubble Space Telescope) and space probes (e.g., Galileo).		✓		**2**	06, November, 2026	07, November, 2026
		6. Describe advancements in space technology and analyze the benefits generated by the technology of space exploration.		✓		**1**	10, November 2026	**-----**
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	11,Novmber, 2026	**-----**
		Revision Annual Exam				**4**	12, November 2026	16, November,2026

DISTRIBUTION OF DAYS PER UNIT

Name of Themes	Name of Units	Number of SLOs	Number of days Required	Date
Life Sciences	**Ecology**	10	22	05 Jan. to 29 Jan. 2026
	Human Nervous System	11	19	30 Jan. to 21 Feb. 2026
	Variations, Heredity and cell division	11	15	23 Feb. to 11 March 2026.
	Biotechnology	05	11	13 March to 26 March 2026
Physical Sciences	**The periodic table of elements**	05	10	27 March to 7 April 2026
	Chemical reactions and bonding	12	21	8 April to 2 May 2026
	Acids, bases and salts	07	12	4 May to 16 may 2026
	Force and pressure	10	15	18 May to 6 June 2026
	Reflection and refraction of light	12	17	08 Jun to 09 September. 2026
	Electricity and magnetism	13	19	10 September. to 8 Oct. 2026
	Technology in everyday life	7	17	09 Oct. to 28 October. 2026
Earth and Space Science	**Our universe**	7	15	29 October to 16 November. 2026
Total		**110**	**193**	

S#	Theme/Units	No. of Sub-Topics	SLOs			Total SLOs
			K	U	A	
1	**Ecology**	07	00	07	03	10
2	**Human Nervous System**	07	01	06	04	11
3	**Variations, Heredity and cell division**	05	03	06	02	11
4	**Biotechnology**	03	01	02	02	05
5	**The periodic table of elements**	04	02	02	01	05
6	**Chemical reactions and bonding**	09	04	04	04	12
7	**Acids, bases and salts**	06	02	03	02	07
8	**Force and pressure**	06	02	01	07	10
9	**Reflection and refraction of light**	07	01	08	03	12
10	**Electricity and magnetism**	08	06	03	04	13
11	**Technology in everyday life**	05	00	00	07	07
12	**Our universe**	06	02	04	01	07
Total		**74**	**24**	**46**	**40**	**110**

Determining Marks/Weightage for a Specific Theme/Unit General Science 8

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total No of SLOs of Subject	Weightage in % = No of SLOs in the Unit / Total No of SLOs of the Subject × 100	Weightage in Marks = Calculated Percentage in previous column X Total Marks including option(140) ÷ 100
1	**Ecology**	10	110	9	13
2	**Human Nervous System**	11	110	10	14
3	**Variations, Heredity and cell division**	11	110	10	14
4	**Biotechnology**	05	110	5	6
5	**The periodic table of elements**	05	110	5	6
6	**Chemical reactions and bonding**	12	110	11	15
7	**Acids, bases and salts**	07	110	6	9
8	**Force and pressure**	10	110	9	13
9	**Reflection and refraction of light**	12	110	11	15
10	**Electricity and magnetism**	13	110	12	17
11	**Technology in everyday life**	07	110	6	9
12	**Our universe**	07	110	6	9
Total		**110**	**110**		**140**

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total Marks	MCQs	CRQs	ERQs
1	**Ecology**	10	13	02 ×1 = 02	02 × 3 = 06	01 × 7 = 07
2	**Human Nervous System**	11	14	02 × 1 = 02	03 × 3 = 09	
3	**Variations, Heredity and cell division**	11	14	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
4	**Biotechnology**	05	6	02 × 1 = 02	02 × 3 = 06	
5	**The periodic table of elements**	05	6	02 × 1 = 02	03 × 3 = 09	01 × 7 = 07
6	**Chemical reactions and bonding**	12	15	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
7	**Acids, bases and salts**	07	9	02 × 1 = 02	02 × 3 = 06	
8	**Force and pressure**	10	13	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
9	**Reflection and refraction of light**	12	15	02 × 1 = 02	02 × 3 = 06	
10	**Electricity and magnetism**	13	17	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
11	**Technology in everyday life**	07	9	01 × 1 = 01	02 × 3 = 06	-
12	**Our universe**	07	9	01 × 1 = 01	02 × 3 = 06	
Total		**110**	**140**	**20**	**78**	**42**

SUMMARY OF EXAM SPECIFICATION

Section	Number of Questions	Marks per Question	Total Marks of questions to be attempted	Total marks with options
MCQs	**20**	**1**	**20**	**20**
CRQs	**13+13 (100 % Choice)**	**3**	**39**	**78**
ERQs	**3+3 (100 % Choice)**	**7**	**21**	**42**
Practical			**20**	
Total	**60**	**-**	**100**	**140**

BOARD OF ELEMENTARY EXAMINATION
GILGIT–BALTISTAN
No. BEEGB (G)-2(1) Exam (Secrecy)/2025
Gilgit, the 16th March, 2026

To,

The Deputy Director Education, Gilgit, Ghizer,Hunza,Nager , Diamer,Astore, Skardu,Ghanche,Shiger & Kharmang

Subject: **REQUEST FOR DISSEMINATION AND IMPLEMENTATION OF SYLLABUS BREAK UP DOCUMENTS FROM GRADE 6 TO 8 FOR THE ACADEMIC SESSSION 2026**

As per past practice the BEEGB academic team in collaboration with CPLICs and the subject experts of SEDGB Baltistan and Gilgit Division has prepared syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Considering the suggestions of the stakeholders of SEDGB the documents for this academic session will be disseminated class-wise, subject-wise and zone -wise separately to make them easily accessible for all stakeholders instead of sending all documents in a single file which becomes very bulky and cannot be downloaded easily.

In this regard, all the respected DDEs are requested to distribute the said documents among all stakeholders and ensure proper implementation in true letter and spirit please.

(Abdul Hamid)
Controller Board of Elementary
Examination Gilgit- Baltistan
Phone #: 05811-940888

Copy for Information to:

1. The Secretary SEDGB
2. The DG SEDGB
3. The Divisional Director Gilgit, Baltistan and Diamer- Astore
4. The Divisional Assistant Controllers BEEGB for Gilgit,Baltistan and Diamer-Astore

ACKNOWLEDGEMENT

The BEEGB Academic team extends its gratitude to the following subject experts of SEDGB for their cooperation in preparing the syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB **Technical Support : Mr. Akbar Ali DD IT BEEGB**				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
1	English	Mr. Javed Iqbal CPLIC, TSDC	Mr. Mubarak Hussain CPLIC, TSDC	Ms. Afshan Nasir Instructor, CoE for Women Gilgit
2	Urdu	Ms. Sabika Khatoon SST, GHS Khomer Gilgit	Mr. Shakeel Hussain EST,BHS Minawer Gilgit	Nasir Abbas CPLIC, TSDC
3	Mathematics	Mr. Aziz Ahmad CPLIC, TSDC	Mr. Sajjad Hussain DD Finance & SE Maths, BEEGB	Mr. Dlair Shah Subject Expert (SE) Maths, BEEGB
4	Science	Mr. Asghar Ali CPLIC, TSDC	Mr. Abdul Bari DD Conduct & SE Science, BEEGB	Mr. Abdul Ghaffar AD Secrecy & SE Science, BEEGB
5	Islamiat	Mr. Nasir Hussain OT, BMS Jutal	Dr. Ikram uddin CPLIC, TSDC	Mr. Faqir Muhammad DD Admin and SE Islamiat, BEEGB
6	Geography	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB
7	History	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB Technical Support : Mr. Akbar Ali DD IT BEEGB				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
8	Computer Science	Ms. Nida Shaheen IT Expert, BEEGB	Mr. Shoukat Ali AD Conduct and SE, BEEGB	Ms. Nida Shaheen IT Expert, BEEGB
9	Agriculture	Mr. Ghulam Rasool TGT, HS No.1 Skardu	Mr. Maqsood Hussain TG, BHS Keris	Mr. Tariq Hussain CPLIC, TSDC
10	Drawing	Kacho Sadaqat FP,BEEGB Office Skardu	Mr. Ali Muhammad TGT, BHS Keris	Mr. Khadim Hussain AD IT & SE, BEEGB
11	Home Economics	Ms. Siddiqa Batool EST, GHS Skardu	Ms. Amber Rehman EST, GHSS Kashrote Gilgit	Ms. Muneera Akhtar Instructor, CoE for Women Gilgit
12	Arabic	Mr. Abdul Aziz OT BHS No.1 Gilgit	Mr. Abdul Basit OT BHS Hatoon Ghizer	Mr. Qasim Iqbal OT BHS Konodass Gilgit

SCHEME OF STUDIES AND CENTRALIZED SLO BASED SYLLABUS BREAK-UP 2026
GRADE 8 – EXTREME WINTER ZONE

Subject: General Science **Class: Eight (8)**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
1. Ecology		**Students will be able to:**	**K**	**U**	**A**		**From**	**To**
	Carbon and Oxygen Cycle	1. Describe the role of living things in cycling oxygen and carbon through an ecosystem, citing the processes of respiration, photosynthesis, and combustion.		✓		**2**	01 April. 2026	02 April, 2026
		2. Relate how oxygen and carbon cycles are complementary processes that bring balance and symmetry to life on Earth.		✓		**2**	03, April, 2026	04, April, 2026
	Global Warming	3. Describe global warming and explain how threats to the carbon-oxygen balance such as overpopulation, reliance on fossil fuels, and deforestation are contributing to global warming and climate change.			✓	**2**	06, April, 2026	07, April, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Interactions in Ecosystem	4. Describe and illustrate through examples key ecological relationships between organisms, including competition, predation and symbiosis.		✓		**2**	08, April, 2026	09 April, 2026
	Flow of energy in an ecosystem	5. Describe how energy flows from producers to consumers, and how only part of the energy flows from one level of the pyramid to the next.		✓		**2**	10, April, 2026	11, April, 2026
		6. Draw a food web diagram to illustrate the food relationship between organisms.			✓	**1**	13, April, 2026	-------
	Changes in an Ecosystem and its effects	7. Predict how changes in an ecosystem (e.g., changes in the water supply, the introduction of a new population, hunting, migration) can affect available resources, and thus the balance among population.		✓		**2**	14 April, 2026	15, April, 2026
	Positive Impact of Human on Ecosystem	8. Hypothesize what would happen in the ecosystem if the population of one of the participants in different ecological relationships is		✓		**2**	16, April, 2026	17, April, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		affected.						
		9 Explain ways in which human behavior (e.g., replanting forests, reducing air and water pollution, protecting endangered species) can have positive effects on the local environment		✓		**1**	18, April, 2026	-----
	Practical	10 The concerned teacher will select any practical from the chapter.			✓	**1**	20, April ,2026	------
		Revision and Unit End Assessment				**3**	21, April, 2026	23, April, 2026
2. Human Nervous System	Neuron and its Types	1. Identify the organs, functions and processes of the Human Nervous System.		✓		**2**	24, April, 2026	25, April, 2026
		2. Describe the types and function of neurons in transmitting messages through body.		✓		**1**	27, April, 2026	**-------**
		3.Predict what would happen if a nerve connection broke		✓		**1**	28, April, 2026	**-------**
	Parts of Human Nervous System	4. Sketch and label a diagram of the Human Nervous System.			✓	**1**	29, April, 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Brain	5. List the three major parts of the brain — cerebrum, cerebellum, the fore brain, mid brain and hind brain, & describe their various functions.	✓			**2**	30, April., 2026	02, May, 2026
		6. Describe the structure of the cerebrum, its division into two hemispheres (left and right) and the role of each hemisphere in the control of the body.		✓		**2**	04, May., 2026	05 May, 2026
	Voluntary and Involuntary actions	7. Explain how the brain works as the control station of the human body.		✓		**1**	06 May, 2026	**-------**
		8. Match various body functions with the relevant part of the brain that controls or regulates them (For instance, associating breathing with the brain stem).		✓		**1**	07 May, 2026	**-------**
	Reflex arc	9. Map the various steps in the transmission of messages through the body and to the brain via a reflex arc.			✓	**1**	08, May, 2026	**-------**
	Activities to Keep	10. Create a plan of activities and			✓	**1**	09, May,	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Your Brain Healthy	exercises they can do to maintain a healthy brain.					2026	
	Practical	11.The concerned teacher will select any practical from the chapter.			✓	**1**	11, May, 2026	-------
		Revision and Unit End Assessment				**3**	12 May, 2026	14, May, 2026
3.Variation, Heredity and Cell Division	Genetics	1. Recognize Genetics as the study of heredity.	✓			**1**	15, May, 2026	-------
	Variations and Adaptation	2. Describe variation and adaptation in living organisms.	✓			**1**	16, May, 2026	-------
		3. Explain and illustrate the differences between variation and adaptation.		✓		**1**	18, May, 2026	-------
		4. Identify sources of variation from environmental and genetic factors.		✓		**1**	19, May, 2026	-------
		5. Explain how different adaptations affects the chances of survivals of different species of organism.		✓		**1**	20, May, 2026	-------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Chromosome and DNA	6. Differentiate between the concept of genes and chromosomes and relate them to how genetic characteristics are inherited.		✓		**1**	21, May, 2026	**---**
		7. Describe the composition and structure of DNA.		✓		**1**	22, May, 2026	**-----**
		8. Design a model of DNA to demonstrate its structure, functions, and various components.			✓	**2**	23, May, 2026	25 May, 2026
	Cell Division	9. Describe cell division and its types — mitosis and meiosis and relate them to the passage of genetic information through reproduction..	✓			**1**	26, May, 2026	**----**
		10. Explain the process of mitosis and meiosis and identify their key phases.		✓		**2**	30. May, 2026	01, June, 2026
	Practical	11. The concerned teacher will select any practical from the chapter.			✓	**1**	02, June, 2026	**-----**
		Revision and Unit End Assessment				**2**	03, June, 2026	04, June, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
4. Biotechnology	Introduction	1. Define biotechnology as the use of living cells and organisms in products and processes that can improve the quality of life.	✓			**2**	05, June, 2026	06, June, 2026
	Applications of Biotechnology in the Field of Food, agriculture and medicine	2. Discuss the applications of biotechnology in the Pakistani context and their effects on the people and the environment of Pakistan over time. Illustrative examples: bread-making, making of yogurt and cheese, vaccines for immunization, insulin production, dyes, etc.			✓	**2**	08, June, 2026	09, June, 2026
		3. Illustrate how biotechnology is a discipline/field that has the potential to transform how we live.		✓		**1**	10, June, 2026	**------**
		4. Relate the use of biotechnology in food sciences in producing foods with higher nutritional value and improved taste and quality (how fermentation has been improved by genetically modified organisms).		✓		**2**	11, June, 2026	12, June, 2026
	Practical	5. The concerned teacher will select			✓	**1**	13, June, 2026	

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		any practical from the chapter.						
		Revision and Unit End Assessment				**2**	15, June, 2026	16 June, 2026

B. Physical Science

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
5. The Periodic Table of Elements	Introduction	1. Recognize Periodic Table as a way of classifying the elements in groups and periods.		✓		**2**	17, June, 2026	18, June, 2026
		2. Identify the names and location of the first 18 elements only.	✓			**1**	19, June, 2026	
	Classification of Elements	3. Identify properties of metals and non-metals.	✓			**1**	20, June, 2026	
	Uses of Metals	4. Relate the properties to the uses of metals.		✓		**2**	22, June, 2026	23, June, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	24, June, 2026	**----**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
						2	27, June, 2026	29, June, 2026
		Revision and Unit End Assessment						
6. Chemical reaction and Bonding	Chemical Reactions	1. Define chemical reaction and give examples	✓			**1**	30, June, 2026	
	Chemical Equation and Balancing	2. Write and balance chemical equations.			✓	**2**	01, July, 2026	02, July, 2026
	Law of Conservation of Law	3. Define the Law of Conservation of Mass and demonstrate the law with an experiment.			✓	**2**	03, July, 2026	04, July2026
	Types of Chemical Reaction	4. Distinguish between different types of reactions (combination, displacement, double displacement, combustion).		✓		**2**	06, July, 2026	07, July, 2026
	Energy Changes in Chemical Reactions	5. Distinguish between endothermic and exothermic reactions. Recognize the importance of exothermic and endothermic reactions in daily life.	✓			**1**	08, July, 2026	**-------**
		6. Recognize the importance of exothermic and endothermic reaction in daily life		✓		**1**	09, July, 2026	-------
	Chemical Bonds	7. Define chemical bond and its types.	✓			**1**	10, July, 2026	**------**
	Formation of chemical bond	8. Discuss formation of ionic bonds as a result of electrostatic forces between		✓		**2**	11, July, 2026	13, July, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		atoms (e. g., NaCl						
		9. Discuss types and formation of covalent bond as a result of mutual sharing of electrons between atoms (e. g., Hz, 02, N2).		✓		**2**	14, July, 2026	15, July, 2026
		10 Draw cross and dot structures showing formation of ionic compounds and covalent compounds.			✓	**2**	16, July, 2026	17, July, 2026
	Uses of some chemical compounds	11. Identify uses of some ionic and covalent compounds in daily life.	✓			**1**	18, July, 2026	**---**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	20, July, 2026	**---**
		Revision and Unit End Assessment				**4**	21, July, 2026	24,, July, 2026
7. Acids, Bases and Salts	Introduction to Acids, Bases and Salts	1.Define acids, bases and salts	✓			**1**	25, July, 2026	**---**
		2. Classify acids, bases, and salts and give examples of each.		✓		**1**	27, July, 2026	
	Properties of Acids, Alkalies and Salts	3. Identify the physical properties of acids, alkalis, and salts.	✓			**1**	28, July, 2026	
	Uses of Acids, Alkalies and Salts	4. Observe and write the uses of acids,			✓	**2**	29, July, 2026	30, July, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		bases, and salts in daily life.						
	Neutralization Reaction	5. Describe neutralization reaction with real life examples.		✓		**2**	31, July, 2026	01, August, 2026
	pH Scale and its range with reference to indicator	6.Define pH and its ranges with reference to indicators		✓		**2**	03, August, 2026	04, August, 2026
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	05, August,2026	
		Revision and Unit End Assessment				**2**	06, August,2026	07, August, 2026
8. Force and Pressure	Force and its types	1. Define force, units and its types with examples.	✓			**1**	08, August, 2026	--------
		2. Examine the effect of balanced and unbalanced force on an object.			✓	**2**	10, August, 2026	11, August,2026
		3. Examine the effect of force in the presence of air pressure.			✓	**1**	13, August, 2026	-----
	Pressure	4. Define 'pressure' with examples and its unit.	✓			**1**	15, August, 2026	------
		5. Relate pressure with force and area.		✓		**1**	17, August, 2026	-------
		6. Investigate effects related to pressure (e.g., water pressure increasing with depth, a balloon expanding when			✓	**1**	18, August, 2026	--------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		inflated, etc.).						
	Buoyancy	7. Differentiate between floating and sinking objects in terms of density.			✓	**1**	19, August, 2026	-------
	Hydraulic Elevator	8. Make a hydraulic elevator. (STEAM)			✓	**2**	20, August, 2026	21, August, 2026
	Rocket	9. Build a two stage rocket model. (STEAM)			✓	**2**	22, August, 2026	24, August, 2026
	Practical	10. The concerned teacher will select any practical from the chapter.			✓	**1**	25, August, 2026	-----
9. Reflection and Refraction of Light		**Revision and Unit End Assessment**				**2**	26, August, 2026	27,August, 2026
	Properties of Light and Ray Model of Light	1. Identify basic properties of light (i.e., speed, transmission through different media, absorption, reflection and dispersion).		✓		**2**	28, August,2026	29, August, 2026
	Laws of Reflection	2. State the Laws of Reflection.	✓			**1**	31, August, 2026	------
	Plane Mirror, Image formation and characteristic	3. Describe and show how an image is formed by the plane mirror.			✓	**1**	01, September, 2026	------
		4. Illustrate the characteristics of image formed by plane mirror.		✓		**1**	02, September, 2026	------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Colour	5.Investigate that light is made up of many colors			✓	**1**	03, September, 2026	------
		6.Relate the apparent color of objects to reflected or absorbed light		✓		**1**	04, September, 2026	------
	Refraction of light	7. Distinguish between reflection and refraction of light with daily life examples.		✓		**1**	05, September, 2026	------
		8. Explain that light is refracted at the boundary between air and any transparent material.		✓		**1**	07, September 2026	------
	Spherical mirrors	9. Identify spherical mirror, describe the characteristics of image(s) formed by concave mirrors and convex mirrors..		✓		**2**	08, September 2026	09, September 2026
		10. Describe different optical instruments which use curved mirrors.		✓		**1**	10, September 2026	------
		11. Describe use of different optical instruments with plane in which spherical mirrors are used.		✓		**1**	11, September 2026	------
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	12, September 2026	
		Revision and Unit End Assessment				**2**	14,	15, September, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
							September, 2026	
10. Electricity and Magnetism	Electric Current	1. Define current and its SI unit.	✓			**1**	16, September, 2026	**------**
	Voltage	2. Define voltage and its SI unit.	✓			**1**	17, September, 2026	**------**
	Resistance	3.Define resistance and its SI unit	✓			**1**	18, September, 2026	**------**
		4. Formulate that resistance is the ratio of voltage to current.			✓	**1**	19, September, 2026	**------**
	Electrical Power	5. Define electric power and its unit.	✓			**1**	28, September, 2026	**------**
		6. Recognize the electric power of various electrical appliances.		✓		**1**	29, September, 2026	**------**
	Electric Safety Devices	7. Recognize the terms earth wire, fuse, circuit breaker.		✓		**1**	30, September ,2026	**------**
		8. Analyze the danger of overloading and short circuit and identify the importance of earth wire, fuses and circuit breakers.			✓	**2**	01, October,2026	02, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
	Potential Hazards in using Electricity	9. List precautionary measures to ensure the safe use of electricity.	✓			**1**	03, October, 2026	
	Electromagnets and Applications	10. Describe the properties that are unique to electromagnets (i.e. The strength varies with current, number of coil, and types of metals in the core, the magnetic attraction can be turned on and off, and the poles can switch)			✓	**2**	05, October, 2026	06,October, 2026
		11. Investigate the factors that the effect the strength of an electromagnet.		✓		**1**	07, October, 2026	**----**
		12. Describe briefly the working principles of electromagnetic devices such as speaker, doorbell.	✓			**2**	08, October, 2026	09, October, 2026
	Practical	13.The concerned teacher will select any practical from the chapter.			✓	**1**	10, October, 2026	**-----**
	Revision and Unit End Assessment					**2**	12, October, 2026	13. October, 2026
11. Technology in everyday life	Application of Acids and Bases in technology	1. Make bio plastic from milk and vinegar as an application of biotechnology.			✓	**2**	14, October, 2026	15, October, 2026
		2. Make toothpaste, soap and detergent as an application of acids and bases in daily life.			✓	**2**	16, October, 2026	17, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		3. Design a car that is powered solely by a chemical reaction and can travel.			✓	**2**	19, October, 2026	20, October, 2026
	Designing a concave Mirror type solar cooker	4. Assemble a concave mirror type solar cooker to convert solar energy into heat energy.			✓	**2**	21, October, 2026	22, October, 2026
	Deigning a Wind Turbine	5. Assemble and operate a simple wind turbine to produce electricity.			✓	**2**	23, October, 2026	24,October, 2026
	Working of UPS	6. Demonstrate the working of UPS and use it to operate a fan or energy saver bulb.			✓	**2**	26, October, 2026	27, October, 2026
	Practical	7.The concerned teacher will select any practical from the chapter.			✓	**1**	28, October, 2026	**---**
		Revision and Unit End Assessment				**2**	29, October, 2026	30, October, 2026

C. Earth and Space Science

12. Our Universe	Galaxies	1. Explore and understand the terms, galaxy and Compare the types of galaxies		✓		**2**	31, October, 2026	02, November, 2026
	The Milky way Galaxy	2. Define term Milky Way galaxy	✓			**1**	03,November, 2026	**------**
	The Life of Stars	3. Relate the life of a star with the formation of black hole, neutron star.		✓		**2**	04,November ,2026	05, November, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Extreme Winter	
		Pulsar White Dwarf, Red Giant.						
	The Life of Sun	4. Discuss the birth and eventual death of our sun.	✓			**2**	06, November, 2020	07, November, 2026
	Information From Space	5. Show how information is collected from space by using telescopes (e.g., Hubble Space Telescope) and space probes (e.g., Galileo).		✓		**2**	10, November, 2026	11, November, 2026
		6. Describe advancements in space technology and analyze the benefits generated by the technology of space exploration.		✓		**1**	12, November, 2026	**-----**
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	13, November , 2026	**-----**
		Revision for Annual Exam				**2**	14, November, 2026	16, November,2026

DISTRIBUTION OF DAYS PER UNIT

Name of Themes	Name of Units	Number of SLOs	Number of days Required	Date
Life Sciences	**Ecology**	10	20	01 April. to 23 April. 2026
	Human Nervous System	11	17	24 April to 14 May 2026
	Variations, Heredity and cell division	11	15	15 May to 04 June 2026.
	Biotechnology	05	10	05 June to 16 June 2026
Physical Sciences	**The periodic table of elements**	05	09	17 June to 24 July 2026
	Chemical reactions and bonding	12	22	30 June to 24 July 2026
	Acids, bases and salts	07	12	25 July to 07 August 2026
	Force and pressure	10	15	08 August to 27 August 2026
	Reflection and refraction of light	12	16	28 August to 15 September. 2026
	Electricity and magnetism	13	18	16 September. to 06 October. 2026
	Technology in everyday life	7	15	07 October. to 23 October. 2026
Earth and Space Science	**Our universe**	7	13	24 October to 16 November. 2026
Total		**110**	**182**	

S#	Theme/Units	No. of Sub-Topics	SLOs			Total SLOs
			K	U	A	
1	**Ecology**	07	00	07	03	10
2	**Human Nervous System**	07	01	06	04	11
3	**Variations, Heredity and cell division**	05	03	06	02	11
4	**Biotechnology**	03	01	02	02	05
5	**The periodic table of elements**	04	02	02	01	05
6	**Chemical reactions and bonding**	09	04	04	04	12
7	**Acids, bases and salts**	06	02	03	02	07
8	**Force and pressure**	06	02	01	07	10
9	**Reflection and refraction of light**	07	01	08	03	12
10	**Electricity and magnetism**	08	06	03	04	13
11	**Technology in everyday life**	05	00	00	07	07
12	**Our universe**	06	02	04	01	07
Total		**74**	**24**	**46**	**40**	**110**

Determining Marks/Weightage for a Specific Theme/Unit General Science 8

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total No of SLOs of Subject	Weightage in % = No of SLOs in the Unit / Total No of SLOs of the Subject × 100	Weightage in Marks = Calculated Percentage in previous column X Total Marks including option(140) ÷ 100
1	**Ecology**	10	110	9	13
2	**Human Nervous System**	11	110	10	14
3	**Variations, Heredity and cell division**	11	110	10	14
4	**Biotechnology**	05	110	5	6
5	**The periodic table of elements**	05	110	5	6
6	**Chemical reactions and bonding**	12	110	11	15
7	**Acids, bases and salts**	07	110	6	9
8	**Force and pressure**	10	110	9	13
9	**Reflection and refraction of light**	12	110	11	15
10	**Electricity and magnetism**	13	110	12	17
11	**Technology in everyday life**	07	110	6	9
12	**Our universe**	07	110	6	9
Total		**110**	**110**		**140**

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total Marks	MCQs	CRQs	ERQs
1	**Ecology**	10	13	02 ×1 = 02	02 × 3 = 06	01 × 7 = 07
2	**Human Nervous System**	11	14	02 × 1 = 02	03 × 3 = 09	
3	**Variations, Heredity and cell division**	11	14	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
4	**Biotechnology**	05	6	02 × 1 = 02	02 × 3 = 06	
5	**The periodic table of elements**	05	6	02 × 1 = 02	03 × 3 = 09	01 × 7 = 07
6	**Chemical reactions and bonding**	12	15	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
7	**Acids, bases and salts**	07	9	02 × 1 = 02	02 × 3 = 06	
8	**Force and pressure**	10	13	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
9	**Reflection and refraction of light**	12	15	02 × 1 = 02	02 × 3 = 06	
10	**Electricity and magnetism**	13	17	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
11	**Technology in everyday life**	07	9	01 × 1 = 01	02 × 3 = 06	-
12	**Our universe**	07	9	01 × 1 = 01	02 × 3 = 06	
Total		**110**	**140**	**20**	**78**	**42**

SUMMARY OF EXAM SPECIFICATION

Section	Number of Questions	Marks per Question	Total Marks of questions to be attempted	Total marks with options
MCQs	**20**	**1**	**20**	**20**
CRQs	**13+13 (100 % Choice)**	**3**	**39**	**78**
ERQs	**3+3 (100 % Choice)**	**7**	**21**	**42**
Practical			**20**	
Total	**60**	**-**	**100**	**140**

GOVERNEMENT OF GILGIT-BALTISTAN
BOARD OF ELEMENTARY EXAMINATION
GILGIT–BALTISTAN
No. BEEGB (G)-2(1) Exam (Secrecy)/2025
Gilgit, the 16th March, 2026

To,

The Deputy Director Education, Gilgit, Ghizer,Hunza,Nager , Diamer,Astore, Skardu,Ghanche,Shiger & Kharmang

Subject: **REQUEST FOR DISSEMINATION AND IMPLEMENTATION OF SYLLABUS BREAK UP DOCUMENTS FROM GRADE 6 TO 8 FOR THE ACADEMIC SESSSION 2026**

As per past practice the BEEGB academic team in collaboration with CPLICs and the subject experts of SEDGB Baltistan and Gilgit Division has prepared syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Considering the suggestions of the stakeholders of SEDGB the documents for this academic session will be disseminated class-wise, subject-wise and zone -wise separately to make them easily accessible for all stakeholders instead of sending all documents in a single file which becomes very bulky and cannot be downloaded easily.

In this regard, all the respected DDEs are requested to distribute the said documents among all stakeholders and ensure proper implementation in true letter and spirit please.

(Abdul Hamid)
Controller Board of Elementary Examination Gilgit- Baltistan
Phone #: 05811-940888

Copy for Information to:

1. The Secretary SEDGB
2. The DG SEDGB
3. The Divisional Director Gilgit, Baltistan and Diamer- Astore
4. The Divisional Assistant Controllers BEEGB for Gilgit,Baltistan and Diamer-Astore

ACKNOWLEDGEMENT

The BEEGB Academic team extends its gratitude to the following subject experts of SEDGB for their cooperation in preparing the syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB **Technical Support : Mr. Akbar Ali DD IT BEEGB**				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
1	English	Mr. Javed Iqbal CPLIC, TSDC	Mr. Mubarak Hussain CPLIC, TSDC	Ms. Afshan Nasir Instructor, CoE for Women Gilgit
2	Urdu	Ms. Sabika Khatoon SST, GHS Khomer Gilgit	Mr. Shakeel Hussain EST,BHS Minawer Gilgit	Nasir Abbas CPLIC, TSDC
3	Mathematics	Mr. Aziz Ahmad CPLIC, TSDC	Mr. Sajjad Hussain DD Finance & SE Maths, BEEGB	Mr. Dlair Shah Subject Expert (SE) Maths, BEEGB
4	Science	Mr. Asghar Ali CPLIC, TSDC	Mr. Abdul Bari DD Conduct & SE Science, BEEGB	Mr. Abdul Ghaffar AD Secrecy & SE Science, BEEGB
5	Islamiat	Mr. Nasir Hussain OT, BMS Jutal	Dr. Ikram uddin CPLIC, TSDC	Mr. Faqir Muhammad DD Admin and SE Islamiat, BEEGB
6	Geography	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB
7	History	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB Technical Support : Mr. Akbar Ali DD IT BEEGB				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
8	Computer Science	Ms. Nida Shaheen IT Expert, BEEGB	Mr. Shoukat Ali AD Conduct and SE, BEEGB	Ms. Nida Shaheen IT Expert, BEEGB
9	Agriculture	Mr. Ghulam Rasool TGT, HS No.1 Skardu	Mr. Maqsood Hussain TG, BHS Keris	Mr. Tariq Hussain CPLIC, TSDC
10	Drawing	Kacho Sadaqat FP,BEEGB Office Skardu	Mr. Ali Muhammad TGT, BHS Keris	Mr. Khadim Hussain AD IT & SE, BEEGB
11	Home Economics	Ms. Siddiqa Batool EST, GHS Skardu	Ms. Amber Rehman EST, GHSS Kashrote Gilgit	Ms. Muneera Akhtar Instructor, CoE for Women Gilgit
12	Arabic	Mr. Abdul Aziz OT BHS No.1 Gilgit	Mr. Abdul Basit OT BHS Hatoon Ghizer	Mr. Qasim Iqbal OT BHS Konodass Gilgit

SCHEME OF STUDIES AND CENTRALIZED SLO BASED SYLLABUS BREAK-UP 2026
GRADE 8 –SUMMER ZONE

Subject: General Science **Class: Eight (8)**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		Students will be able to:	**K**	**U**	**A**		**From**	**To**
1. Ecology	Carbon and Oxygen Cycle	1. Describe the role of living things in cycling oxygen and carbon through an ecosystem, citing the processes of respiration, photosynthesis, and combustion.		✓		**2**	06 Feb. 2026	07 Feb. 2026
		2. Relate how oxygen and carbon cycles are complementary processes that bring balance and symmetry to life on Earth.		✓		**2**	09 Feb. 2026	10, Feb. 2026
	Global Warming	3. Describe global warming and explain how threats to the carbon-oxygen balance such as overpopulation, reliance on fossil fuels, and deforestation are contributing to global warming and climate change.			✓	**2**	11 Feb 2026	12, Feb 2026
	Interactions in	4. Describe and illustrate through		✓		**2**	13, Feb	14 Feb

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
	Ecosystem	examples key ecological relationships between organisms, including competition, predation and symbiosis.					2026	2026
	Flow of energy in an ecosystem	5. Describe how energy flows from producers to consumers, and how only part of the energy flows from one level of the pyramid to the next.		✓		**2**	16, Feb 2026	17, Feb 2026
		6. Draw a food web diagram to illustrate the food relationship between organisms.			✓	**1**	18,Feb 2026	-------
	Changes in an Ecosystem and its effects	7. Predict how changes in an ecosystem (e.g., changes in the water supply, the introduction of a new population, hunting, migration) can affect available resources, and thus the balance among population.		✓		**2**	19, Feb 2026	20, Feb 2026
	Positive Impact of Human on Ecosystem	8. Hypothesize what would happen in the ecosystem if the population of one of the participants in different ecological relationships is affected.		✓		**2**	21, Feb,2026	23, Feb, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		9 Explain ways in which human behavior (e.g., replanting forests, reducing air and water pollution, protecting endangered species) can have positive effects on the local environment		✓		**1**	24, Feb 2026	-----
	Practical	10 The concerned teacher will select any practical from the chapter.			✓	**1**	25, Feb 2026	------
		Revision and Unit End Assessment				**5**	26, Feb, 2026	03, March 2026
2. Human Nervous System	Neuron and its Types	1. Identify the organs, functions and processes of the Human Nervous System.		✓		**2**	04, March 2026	05, March, 2026
		2. Describe the types and function of neurons in transmitting messages through body.		✓		**1**	06, March, 2026	**-------**
		3.Predict what would happen if a nerve connection broke		✓		**1**	07, March, 2026	**-------**
	Parts of Human Nervous System	4. Sketch and label a diagram of the Human Nervous System.			✓	**1**	09, March., 2026	**-------**
	Brain	5. List the three major parts of the brain — cerebrum, cerebellum, the fore brain, mid brain and hind	✓			**2**	10, March., 2026	11, March, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		brain, & describe their various functions.						
		6. Describe the structure of the cerebrum, its division into two hemispheres (left and right) and the role of each hemisphere in the control of the body.		✓		**2**	12, March., 2026	13, March., 2026
	Voluntary and Involuntary actions	7. Explain how the brain works as the control station of the human body.		✓		**1**	14 March, 2026	**-------**
		8. Match various body functions with the relevant part of the brain that controls or regulates them (For instance, associating breathing with the brain stem).		✓		**1**	16 March, 2026	**-------**
	Reflex arc	9. Map the various steps in the transmission of messages through the body and to the brain via a reflex arc.			✓	**1**	17, March., 2026	**-------**
	Activities to Keep Your Brain Healthy	10. Create a plan of activities and exercises they can do to maintain a healthy brain.			✓	**1**	18, March, 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
	Practical	11.The concerned teacher will select any practical from the chapter.			✓	**1**	19, March, 2026	**-------**
		Revision and Unit End Assessment				**5**	20, March, 2026	27, March, 2026
3.Variation, Heredity and Cell Division	Genetics	1. Recognize Genetics as the study of heredity.	✓			**1**	28,March, 2026	**-------**
	Variations and Adaptation	2. Describe variation and adaptation in living organisms.	✓			**1**	30, March., 2026	**-------**
		3. Explain and illustrate the differences between variation and adaptation.		✓		**1**	31, March, 2026	**-------**
		4. Identify sources of variation from environmental and genetic factors.		✓		**1**	01, April, 2026	**-------**
		5. Explain how different adaptations affects the chances of survivals of different species of organism.		✓		**1**	02, April, 2026	**-------**
	Chromosome and DNA	6. Differentiate between the concept of genes and chromosomes and relate them to how genetic		✓		**1**	03, April, 2026	**---**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		characteristics are inherited.						
		7. Describe the composition and structure of DNA.		✓		**1**	04, April, 2026	**-----**
		8. Design a model of DNA to demonstrate its structure, functions, and various components.			✓	**2**	06 April, 2026	07 April, 2026
	Cell Division	9. Describe cell division and its types — mitosis and meiosis and relate them to the passage of genetic information through reproduction..	✓			**1**	08,April, 2026	**----**
		10. Explain the process of mitosis and meiosis and identify their key phases.		✓		**2**	09, April, 2026	10,April, 2026
	Practical	11. The concerned teacher will select any practical from the chapter.			✓	**1**	11, April, 2026	**-----**
		Revision and Unit End Assessment				**3**	13, April, 2026	15, April, 2026
4. Biotechnology	Introduction	1. Define biotechnology as the use of living cells and organisms in products and processes that can	✓			**2**	16 April, 2026	17, April, , 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		improve the quality of life.						
	Applications of Biotechnology in the Field of Food, agriculture and medicine	2. Discuss the applications of biotechnology in the Pakistani context and their effects on the people and the environment of Pakistan over time. Illustrative examples: bread-making, making of yogurt and cheese, vaccines for immunization, insulin production, dyes, etc.			✓	**2**	18, April, 2026	20,April, 2026
		3. Illustrate how biotechnology is a discipline/field that has the potential to transform how we live.		✓		**1**	21, April, 2026	**------**
		4. Relate the use of biotechnology in food sciences in producing foods with higher nutritional value and improved taste and quality (how fermentation has been improved by genetically modified organisms).		✓		**2**	22, April, 2026	23, April, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	24,April, 2026	
		Revision and Unit End Assessment				**3**	25, April, 2026	28, April, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	

B. Physical Science

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
5. The Periodic Table of Elements	Introduction	1. Recognize Periodic Table as a way of classifying the elements in groups and periods.		✓		**2**	29, April, 2026	30, April, 2026
		2. Identify the names and location of the first 18 elements only.	✓			**1**	02, May, 2026	
	Classification of Elements	3. Identify properties of metals and non-metals.	✓			**1**	04, May, 2026	
	Uses of Metals	4. Relate the properties to the uses of metals.		✓		**2**	05, May, 2026	06,,May, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	07. May, 2026	**----**
		Revision and Unit End Assessment				**3**	08 May, 2026	11, May, 2026
	Chemical Reactions	1. Define chemical reaction and give examples	✓			**1**	12, May, 2026	

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
6. Chemical reaction and Bonding	Chemical Equation and Balancing	2. Write and balance chemical equations.			✓	**2**	13, May, 2026	14, May, 2026
	Law of Conservation of Law	3. Define the Law of Conservation of Mass and demonstrate the law with an experiment.			✓	**2**	15, May , 2026	16, May, 2026
	Types of Chemical Reaction	4. Distinguish between different types of reactions (combination, displacement, double displacement, combustion).		✓		**2**	18, May, 2026	19, May, 2026
	Energy Changes in Chemical Reactions	5. Distinguish between endothermic and exothermic reactions. Recognize the importance of exothermic and endothermic reactions in daily life.	✓			**1**	20, May, 2026	**-------**
		6. Recognize the importance of exothermic and endothermic reaction in daily life		✓		**1**	21,May, 2026	-------
	Chemical Bonds	7. Define chemical bond and its types.	✓			**1**	22,May, 2026	**------**
	Formation of chemical bond	8. Discuss formation of ionic bonds as a result of electrostatic forces between atoms (e. g., NaCl		✓		**2**	23 May, 2026	25, May, 2026
		9. Discuss types and formation of covalent bond as a result of mutual sharing of electrons between atoms (e. g., Hz, 02, N2).		✓		**2**	26, May, 2026	30, May, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		10 Draw cross and dot structures showing formation of ionic compounds and covalent compounds.			✓	**2**	01, June, 2026	02, June, 2026
	Uses of some chemical compounds	11. Identify uses of some ionic and covalent compounds in daily life.	✓			**1**	03, June, 2026	**---**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	04, June, 2026	**---**
		Revision and Unit End Assessment				**4**	05, June, 2026	09, June, 2026
7. Acids, Bases and Salts	Introduction to Acids, Bases and Salts	1.Define acids, bases and salts	✓			**1**	10, June, 2026	
		2. Classify acids, bases, and salts and give examples of each.		✓		**1**	11,June, 2026	
	Properties of Acids, Alkalies and Salts	3. Identify the physical properties of acids, alkalis, and salts.	✓			**1**	12, June, 2026	
	Uses of Acids, Alkalies and Salts	4. Observe and write the uses of acids, bases, and salts in daily life.			✓	**2**	13, June, 2026	15, June, 2026
	Neutralization Reaction	5. Describe neutralization reaction with real life examples.		✓		**2**	16, June 2026	17, June, 2026
	pH Scale and its range with reference to indicator	6.Define pH and its ranges with reference to indicators		✓		**2**	18, June 2026	19, June 2026
	Practical	7. The concerned teacher will select			✓	**1**	20, June,2026	

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		any practical from the chapter.						
		Revision and Unit End Assessment				**2**	22, June,2026	23, June, 2026
8. Force and Pressure	Force and its types	1. Define force, units and its types with examples.	✓			**1**	24, June, 2026	**--------**
		2. Examine the effect of balanced and unbalanced force on an object.			✓	**2**	27, June 2026	29, June,2026
		3. Examine the effect of force in the presence of air pressure.			✓	**1**	30, June 2026	**-----**
	Pressure	4. Define 'pressure' with examples and its unit.	✓			**1**	13, August, 2026	**------**
		5. Relate pressure with force and area.		✓		**1**	15, August, 2026	**-------**
		6. Investigate effects related to pressure (e.g., water pressure increasing with depth, a balloon expanding when inflated, etc.).			✓	**1**	17, August, 2026	**--------**
	Buoyancy	7. Differentiate between floating and sinking objects in terms of density.			✓	**1**	18, August, 2026	**-------**
	Hydraulic Elevator	8. Make a hydraulic elevator. (STEAM)			✓	**2**	19, August, 2026	20, August, 2026
	Rocket	9. Build a two stage rocket model. (STEAM)			✓	**2**	21, August, 2026	22, August, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
	Practical	10. The concerned teacher will select any practical from the chapter.			✓	**1**	24, August, 2026	-----
9. Reflection and Refraction of Light		**Revision and Unit End Assessment**				**2**	25, August, 2026	27, August, 2026
	Properties of Light and Ray Model of Light	1. Identify basic properties of light (i.e., speed, transmission through different media, absorption, reflection and dispersion).		✓		**2**	28, August,,2026	29, August, 2026
	Laws of Reflection	2. State the Laws of Reflection.	✓			**1**	31, August, 2026	------
	Plane Mirror, Image formation and characteristic	3. Describe and show how an image is formed by the plane mirror.			✓	**1**	01, September, 2026	------
		4. Illustrate the characteristics of image formed by plane mirror.		✓		**1**	02, September, 2026	------
	Colour	5.Investigate that light is made up of many colors			✓	**1**	03, September, 2026	------
		6.Relate the apparent color of objects to reflected or absorbed light		✓		**1**	04, September, 2026	------
	Refraction of light	7. Distinguish between reflection and refraction of light with daily life examples.		✓		**1**	05, September 2026	------
		8. Explain that light is refracted at the boundary between air and any		✓		**1**	07, September 2026	------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		transparent material.						
	Spherical mirrors	9. Identify spherical mirror, describe the characteristics of image(s) formed by concave mirrors and convex mirrors..		✓		**2**	08, September 2026	09, September 2026
		10. Describe different optical instruments which use curved mirrors.		✓		**1**	10, September 2026	**------**
		11. Describe use of different optical instruments with plane in which spherical mirrors are used.		✓		**1**	11, September 2026	**------**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	12, September 2026	
		Revision and Unit End Assessment				**3**	14, September, 2026	16, September, 2026
10. Electricity and Magnetism	Electric Current	1. Define current and its SI unit.	✓			**1**	17, September, 2026	**------**
	Voltage	2. Define voltage and its SI unit.	✓			**1**	18, September, 2026	**------**
	Resistance	3.Define resistance and its SI unit	✓			**1**	19, September, 2026	**------**
		4. Formulate that resistance is the ratio			✓	**1**	28,	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		of voltage to current.					September, 2026	
	Electrical Power	5. Define electric power and its unit.	✓			**1**	29, September, 2026	**------**
		6. Recognize the electric power of various electrical appliances.		✓		**1**	30, September, 2026	**------**
	Electric Safety Devices	7. Recognize the terms earth wire, fuse, circuit breaker.		✓		**1**	01, October ,2026	**------**
		8. Analyze the danger of overloading and short circuit and identify the importance of earth wire, fuses and circuit breakers.			✓	**2**	02, October ,2026	03, October, 2026
	Potential Hazards in using Electricity	9. List precautionary measures to ensure the safe use of electricity.	✓			**1**	05, October ,2026	
	Electromagnets and Applications	10. Describe the properties that are unique to electromagnets (i.e. The strength varies with current, number of coil, and types of metals in the core, the magnetic attraction can be turned on and off, and the poles can switch)			✓	**2**	06, October, 2026	07, October, 2026
		11. Investigate the factors that the effect the strength of an electromagnet.		✓		**1**	08, October ,2026	**----**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		12. Describe briefly the working principles of electromagnetic devices such as speaker, doorbell.	✓			**2**	09, October, 2026	10, October, 2026
	Practical	13.The concerned teacher will select any practical from the chapter.			✓	**1**	12, October, 2026	**-----**
	Revision and Unit End Assessment					**3**	13, October, 2026	15. October, 2026
11. Technology in everyday life	Application of Acids and Bases in technology Designing a concave Mirror type solar cooker	1. Make bio plastic from milk and vinegar as an application of biotechnology.			✓	**2**	16, October, 2026	17, October, 2026
		2. Make toothpaste, soap and detergent as an application of acids and bases in daily life.			✓	**2**	19, October, 2026	20, October, 2026
		3. Design a car that is powered solely by a chemical reaction and can travel.			✓	**2**	21, October, 2026	22, October, 2026
		4. Assemble a concave mirror type solar cooker to convert solar energy into heat energy.			✓	**2**	23, October, 2026	24, October, 2026
	Deigning a Wind Turbine	5. Assemble and operate a simple wind turbine to produce electricity.			✓	**2**	26, October, 2026	27,October, 2026
	Working of UPS	6. Demonstrate the working of UPS and use it to operate a fan or energy saver bulb.			✓	**2**	28, October, 2026	29, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
	Practical	7.The concerned teacher will select any practical from the chapter.			✓	**1**	30, October, 2026	**---**
		Revision and Unit End Assessment				**2**	31, November, 2026	02, November, 2026

C. Earth and Space Science

12. Our Universe	Galaxies	1. Explore and understand the terms, galaxy and Compare the types of galaxies		✓		**2**	05, November ,2026	04, November, 2326
	The Milky way Galaxy	2. Define term Milky Way galaxy	✓			**1**	05, November, 2026	**------**
	The Life of Stars	3. Relate the life of a star with the formation of black hole, neutron star. Pulsar White Dwarf, Red Giant.		✓		**2**	16, November 20026	07, November
	The Life of Sun	4. Discuss the birth and eventual death of our sun.	✓			**2**	10, November, 2020	11, November, 2026
	Information From Space	5. Show how information is collected from space by using telescopes (e.g., Hubble Space Telescope) and space probes (e.g., Galileo).		✓		**2**	12, November 2026	13, November 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Summer	
		6. Describe advancements in space technology and analyze the benefits generated by the technology of space exploration.		✓		**1**	14, November 2026	**-----**
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	16, November, 2026	**-----**
		Revision and Unit End Assessment				**0**	, November 2026	, November,2026

DISTRIBUTION OF DAYS PER UNIT

Name of Themes	Name of Units	Number of SLOs	Number of days Required	Date
Life Sciences	**Ecology**	10	22	06 Feb. to 03 March. 2026
	Human Nervous System	11	19	04 March to 27 March 2026
	Variations, Heredity and cell division	11	16	28 March. to 15 April 2026.
	Biotechnology	05	11	16 April to 28 April 2026
Physical Sciences	**The periodic table of elements**	05	10	29 April to 11 May 2026
	Chemical reactions and bonding	12	22	12 May to 09 June 2026
	Acids, bases and salts	07	12	10 June to 23 June 2026
	Force and pressure	10	15	24 June to 27 August 2026
	Reflection and refraction of light	12	17	28 August to 16 September. 2026
	Electricity and magnetism	13	19	17 September. to 15 October. 2026
	Technology in everyday life	7	15	16 October. to 02 November. 2026
Earth and Space Science	**Our universe**	7	11	05 November. to 16 November. 2026
Total		**110**	**189**	

S#	Theme/Units	No. of Sub-Topics	SLOs			Total SLOs
			K	U	A	
1	**Ecology**	07	00	07	03	10
2	**Human Nervous System**	07	01	06	04	11
3	**Variations, Heredity and cell division**	05	03	06	02	11
4	**Biotechnology**	03	01	02	02	05
5	**The periodic table of elements**	04	02	02	01	05
6	**Chemical reactions and bonding**	09	04	04	04	12
7	**Acids, bases and salts**	06	02	03	02	07
8	**Force and pressure**	06	02	01	07	10
9	**Reflection and refraction of light**	07	01	08	03	12
10	**Electricity and magnetism**	08	06	03	04	13
11	**Technology in everyday life**	05	00	00	07	07
12	**Our universe**	06	02	04	01	07
Total		**74**	**24**	**46**	**40**	**110**

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total No of SLOs of Subject	Weightage in % = No of SLOs in the Unit / Total No of SLOs of the Subject × 100	Weightage in Marks = Calculated Percentage in previous column X Total Marks including option(140) ÷ 100
1	**Ecology**	10	110	9	13
2	**Human Nervous System**	11	110	10	14
3	**Variations, Heredity and cell division**	11	110	10	14
4	**Biotechnology**	05	110	5	6
5	**The periodic table of elements**	05	110	5	6
6	**Chemical reactions and bonding**	12	110	11	15
7	**Acids, bases and salts**	07	110	6	9
8	**Force and pressure**	10	110	9	13
9	**Reflection and refraction of light**	12	110	11	15
10	**Electricity and magnetism**	13	110	12	17
11	**Technology in everyday life**	07	110	6	9
12	**Our universe**	07	110	6	9
Total		**110**	**110**		**140**

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total Marks	MCQs	CRQs	ERQs
1	**Ecology**	10	13	02 ×1 = 02	02 × 3 = 06	01 × 7 = 07
2	**Human Nervous System**	11	14	02 × 1 = 02	03 × 3 = 09	
3	**Variations, Heredity and cell division**	11	14	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
4	**Biotechnology**	05	6	02 × 1 = 02	02 × 3 = 06	
5	**The periodic table of elements**	05	6	02 × 1 = 02	03 × 3 = 09	01 × 7 = 07
6	**Chemical reactions and bonding**	12	15	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
7	**Acids, bases and salts**	07	9	02 × 1 = 02	02 × 3 = 06	
8	**Force and pressure**	10	13	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
9	**Reflection and refraction of light**	12	15	02 × 1 = 02	02 × 3 = 06	
10	**Electricity and magnetism**	13	17	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
11	**Technology in everyday life**	07	9	01 × 1 = 01	02 × 3 = 06	-
12	**Our universe**	07	9	01 × 1 = 01	02 × 3 = 06	
Total		**110**	**140**	**20**	**78**	**42**

SUMMARY OF EXAM SPECIFICATION

Section	Number of Questions	Marks per Question	Total Marks of questions to be attempted	Total marks with options
MCQs	**20**	**1**	**20**	**20**
CRQs	**13+13 (100 % Choice)**	**3**	**39**	**78**
ERQs	**3+3 (100 % Choice)**	**7**	**21**	**42**
Practical			**20**	
Total	**60**	**-**	**100**	**140**

GOVERNMENT OF GILGIT-BALTISTAN
BOARD OF ELEMENTARY EXAMINATION
GILGIT–BALTISTAN
No. BEEGB (G)-2(1) Exam (Secrecy)/2025
Gilgit, the 16th March, 2026

To,

The Deputy Director Education, Gilgit, Ghizer,Hunza,Nager , Diamer,Astore, Skardu,Ghanche,Shiger & Kharmang

Subject: **REQUEST FOR DISSEMINATION AND IMPLEMENTATION OF SYLLABUS BREAK UP DOCUMENTS FROM GRADE 6 TO 8 FOR THE ACADEMIC SESSSION 2026**

As per past practice the BEEGB academic team in collaboration with CPLICs and the subject experts of SEDGB Baltistan and Gilgit Division has prepared syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Considering the suggestions of the stakeholders of SEDGB the documents for this academic session will be disseminated class-wise, subject-wise and zone -wise separately to make them easily accessible for all stakeholders instead of sending all documents in a single file which becomes very bulky and cannot be downloaded easily.

In this regard, all the respected DDEs are requested to distribute the said documents among all stakeholders and ensure proper implementation in true letter and spirit please.

(Abdul Hamid)
Controller Board of Elementary Examination Gilgit- Baltistan
Phone #: 05811-940888

Copy for Information to:

1. The Secretary SEDGB
2. The DG SEDGB
3. The Divisional Director Gilgit, Baltistan and Diamer- Astore
4. The Divisional Assistant Controllers BEEGB for Gilgit,Baltistan and Diamer-Astore

ACKNOWLEDGEMENT

The BEEGB Academic team extends its gratitude to the following subject experts of SEDGB for their cooperation in preparing the syllabus break up documents from Grade 6 to 8 for the academic session 2026.

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB **Technical Support : Mr. Akbar Ali DD IT BEEGB**				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
1	English	Mr. Javed Iqbal CPLIC, TSDC	Mr. Mubarak Hussain CPLIC, TSDC	Ms. Afshan Nasir Instructor, CoE for Women Gilgit
2	Urdu	Ms. Sabika Khatoon SST, GHS Khomer Gilgit	Mr. Shakeel Hussain EST,BHS Minawer Gilgit	Nasir Abbas CPLIC, TSDC
3	Mathematics	Mr. Aziz Ahmad CPLIC, TSDC	Mr. Sajjad Hussain DD Finance & SE Maths, BEEGB	Mr. Dlair Shah Subject Expert (SE) Maths, BEEGB
4	Science	Mr. Asghar Ali CPLIC, TSDC	Mr. Abdul Bari DD Conduct & SE Science, BEEGB	Mr. Abdul Ghaffar AD Secrecy & SE Science, BEEGB
5	Islamiat	Mr. Nasir Hussain OT, BMS Jutal	Dr. Ikram uddin CPLIC, TSDC	Mr. Faqir Muhammad DD Admin and SE Islamiat, BEEGB
6	Geography	Ms. Shamama Kosar Edu. Fellow, GHS Skardu	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB
7	History	Ms. Shamama Kosar Edu. Fellow,	Mr. Imtiaz Ahmad CPLIC, TSDC	Hafiz Sardar SE and IT Assistant, BEEGB

Facilitators: Ms. Memona Abbas Dy. Controller BEEGB & Ms. Zareen Taj DD Research and Secrecy BEEGB Technical Support : Mr. Akbar Ali DD IT BEEGB				
S.No	**Subject**	**Grade 6**	**Grade 7**	**Grade 8**
		GHS Skardu		
8	Computer Science	Ms. Nida Shaheen IT Expert, BEEGB	Mr. Shoukat Ali AD Conduct and SE, BEEGB	Ms. Nida Shaheen IT Expert, BEEGB
9	Agriculture	Mr. Ghulam Rasool TGT, HS No.1 Skardu	Mr. Maqsood Hussain TG, BHS Keris	Mr. Tariq Hussain CPLIC, TSDC
10	Drawing	Kacho Sadaqat FP,BEEGB Office Skardu	Mr. Ali Muhammad TGT, BHS Keris	Mr. Khadim Hussain AD IT & SE, BEEGB
11	Home Economics	Ms. Siddiqa Batool EST, GHS Skardu	Ms. Amber Rehman EST, GHSS Kashrote Gilgit	Ms. Muneera Akhtar Instructor, CoE for Women Gilgit
12	Arabic	Mr. Abdul Aziz OT BHS No.1 Gilgit	Mr. Abdul Basit OT BHS Hatoon Ghizer	Mr. Qasim Iqbal OT BHS Konodass Gilgit

SCHEME OF STUDIES AND CENTRALIZED SLO BASED SYLLABUS BREAK-UP 2026
GRADE 8 – WINTER ZONE

Subject: General Science **Class: Eight (8)**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
1. Ecology		**Students will be able to:**	**K**	**U**	**A**		**From**	**To**
	Carbon and Oxygen Cycle	1. Describe the role of living things in cycling oxygen and carbon through an ecosystem, citing the processes of respiration, photosynthesis, and combustion.		✓		**2**	02 March. 2026	03 March, 2026
		2. Relate how oxygen and carbon cycles are complementary processes that bring balance and symmetry to life on Earth.		✓		**2**	04 March. 2026	05 March. 2026
	Global Warming	3. Describe global warming and explain how threats to the carbon-oxygen balance such as overpopulation, reliance on fossil fuels, and deforestation are contributing to global warming and climate change.			✓	**2**	06 March, 2026	07, 6arch, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Interactions in Ecosystem	4. Describe and illustrate through examples key ecological relationships between organisms, including competition, predation and symbiosis.		✓		**2**	09, March, 2026	10 March, 2026
	Flow of energy in an ecosystem	5. Describe how energy flows from producers to consumers, and how only part of the energy flows from one level of the pyramid to the next.		✓		**2**	11, March, 2026	12, March, 2026
		6. Draw a food web diagram to illustrate the food relationship between organisms.			✓	**1**	13,March, 2026	-------
	Changes in an Ecosystem and its effects	7. Predict how changes in an ecosystem (e.g., changes in the water supply, the introduction of a new population, hunting, migration) can affect available resources, and thus the balance among population.		✓		**2**	14 March, 2026	16, March, 2026
	Positive Impact of Human on Ecosystem	8. Hypothesize what would happen in the ecosystem if the population of one of the participants in		✓		**2**	17, March, 2026	18, March, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		different ecological relationships is affected.						
		9 Explain ways in which human behavior (e.g., replanting forests, reducing air and water pollution, protecting endangered species) can have positive effects on the local environment		✓		**1**	19, March, 2026	-----
	Practical	10 The concerned teacher will select any practical from the chapter.			✓	**1**	20, March 2026	------
		Revision and Unit End Assessment				**5**	24, March, 2026	28, March 2026
2. Human Nervous System	Neuron and its Types	1. Identify the organs, functions and processes of the Human Nervous System.		✓		**2**	30, March 2026	31, March, 2026
		2. Describe the types and function of neurons in transmitting messages through body.		✓		**1**	01, April, 2026	**-------**
		3.Predict what would happen if a nerve connection broke		✓		**1**	02, April, 2026	**-------**
	Parts of Human	4. Sketch and label a diagram of the			✓	**1**	03, April,	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Nervous System	Human Nervous System.					2026	
	Brain	5. List the three major parts of the brain — cerebrum, cerebellum, the fore brain, mid brain and hind brain, & describe their various functions.	✓			**2**	04, April., 2026	06, April, 2026
		6. Describe the structure of the cerebrum, its division into two hemispheres (left and right) and the role of each hemisphere in the control of the body.		✓		**2**	07, April., 2026	08April., 2026
	Voluntary and Involuntary actions	7. Explain how the brain works as the control station of the human body.		✓		**1**	09 April, 2026	-------
		8. Match various body functions with the relevant part of the brain that controls or regulates them (For instance, associating breathing with the brain stem).		✓		**1**	10 April, 2026	-------
	Reflex arc	9. Map the various steps in the transmission of messages through the body and to the brain via a			✓	**1**	11 April, 2026	-------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		reflex arc.						
	Activities to Keep Your Brain Healthy	10. Create a plan of activities and exercises they can do to maintain a healthy brain.			✓	**1**	13, April, 2026	-------
	Practical	11.The concerned teacher will select any practical from the chapter.			✓	**1**	14, April, 2026	-------
		Revision and Unit End Assessment				**5**	15, April, 2026	20, April, 2026
3.Variation, Heredity and Cell Division	Genetics	1. Recognize Genetics as the study of heredity.	✓			**1**	21, April., 2026	-------
	Variations and Adaptation	2. Describe variation and adaptation in living organisms.	✓			**1**	22, April., 2026	-------
		3. Explain and illustrate the differences between variation and adaptation.		✓		**1**	23, April, 2026	-------
		4. Identify sources of variation from environmental and genetic factors.		✓		**1**	24, April, 2026	-------

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		5. Explain how different adaptations affects the chances of survivals of different species of organism.		✓		**1**	25, April, 2026	**-------**
	Chromosome and DNA	6. Differentiate between the concept of genes and chromosomes and relate them to how genetic characteristics are inherited.		✓		**1**	27, April, 2026	**---**
		7. Describe the composition and structure of DNA.		✓		**1**	28, April, 2026	**-----**
		8. Design a model of DNA to demonstrate its structure, functions, and various components.			✓	**2**	29 April, 2026	30, April, 2026
	Cell Division	9. Describe cell division and its types — mitosis and meiosis and relate them to the passage of genetic information through reproduction..	✓			**1**	02, May, 2026	**----**
		10. Explain the process of mitosis and meiosis and identify their key phases.		✓		**2**	04 May, 2026	05 May, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Practical	11. The concerned teacher will select any practical from the chapter.			✓	**1**	06, May, 2026	**-----**
		Revision and Unit End Assessment				**3**	07, May, 2026	09, May, 2026
4. Biotechnology	Introduction	1. Define biotechnology as the use of living cells and organisms in products and processes that can improve the quality of life.	✓			**2**	11 May, 2026	12, May, 2026
	Applications of Biotechnology in the Field of Food, agriculture and medicine	2. Discuss the applications of biotechnology in the Pakistani context and their effects on the people and the environment of Pakistan over time. Illustrative examples: bread-making, making of yogurt and cheese, vaccines for immunization, insulin production, dyes, etc.			✓	**2**	13, May, 2026	14, May, 2026
		3. Illustrate how biotechnology is a discipline/field that has the potential to transform how we live.		✓		**1**	15, May, 2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		4. Relate the use of biotechnology in food sciences in producing foods with higher nutritional value and improved taste and quality (how fermentation has been improved by genetically modified organisms).		✓		**2**	16, May, 2026	18, May, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	19, May, 2026	
		Revision and Unit End Assessment				**3**	20, May, 2026	22 May, 2026

B. Physical Science

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
5. The Periodic Table of Elements	Introduction	1. Recognize Periodic Table as a way of classifying the elements in groups and periods.		✓		**2**	23, May, 2026	25, May, 2026
		2. Identify the names and location of the first 18 elements only.	✓			**1**	26, May, 2026	

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Classification of Elements	3. Identify properties of metals and non-metals.	✓			**1**	30, May, 2026	
	Uses of Metals	4. Relate the properties to the uses of metals.		✓		**2**	01, June, 2026	02 June, 2026
	Practical	5. The concerned teacher will select any practical from the chapter.			✓	**1**	03, June, 2026	**----**
		Revision and Unit End Assessment				**3**	04, June, 2026	06 June, 2026
6. Chemical reaction and Bonding	Chemical Reactions	1. Define chemical reaction and give examples	✓			**1**	08, June, 2026	
	Chemical Equation and Balancing	2. Write and balance chemical equations.			✓	**2**	09, June, 2026	10, June, 2026
	Law of Conservation of Law	3. Define the Law of Conservation of Mass and demonstrate the law with an experiment.			✓	**2**	11, June, 2026	12, June, 2026
	Types of Chemical Reaction	4. Distinguish between different types of reactions (combination, displacement, double displacement, combustion).		✓		**2**	13, June, 2026	15, June, 2026
	Energy Changes in Chemical Reactions	5. Distinguish between endothermic and exothermic reactions. Recognize	✓			**1**	16, June, 2026	**-------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		the importance of exothermic and endothermic reactions in daily life.						
		6. Recognize the importance of exothermic and endothermic reaction in daily life		✓		**1**	17, June, 2026	-------
	Chemical Bonds	7. Define chemical bond and its types.	✓			**1**	18, June, 2026	**------**
	Formation of chemical bond	8. Discuss formation of ionic bonds as a result of electrostatic forces between atoms (e. g., NaCl		✓		**2**	19, June, 2026	20, June, 2026
		9. Discuss types and formation of covalent bond as a result of mutual sharing of electrons between atoms (e. g., Hz, 02, N2).		✓		**2**	22, June, 2026	23, June, 2026
		10 Draw cross and dot structures showing formation of ionic compounds and covalent compounds.			✓	**2**	24, June, 2026	27, June, 2026
	Uses of some chemical compounds	11. Identify uses of some ionic and covalent compounds in daily life.	✓			**1**	29, August, 2026	**---**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	30, August, 2026	**---**
						3	01, July, 2026	03, July, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		Revision and Unit End Assessment						
7. Acids, Bases and Salts	Introduction to Acids, Bases and Salts	1.Define acids, bases and salts	✓			**1**	04, July, 2026	**---**
		2. Classify acids, bases, and salts and give examples of each.		✓		**1**	06, July, 2026	
	Properties of Acids, Alkalies and Salts	3. Identify the physical properties of acids, alkalis, and salts.	✓			**1**	07, July, 2026	
	Uses of Acids, Alkalies and Salts	4. Observe and write the uses of acids, bases, and salts in daily life.			✓	**2**	08, July, 2026	09, July, 2026
	Neutralization Reaction	5. Describe neutralization reaction with real life examples.		✓		**2**	10, July, 2026	11, July, 2026
	pH Scale and its range with reference to indicator	6.Define pH and its ranges with reference to indicators		✓		**2**	13, July , 2026	14, July, 2026
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	15, July ,2026	
		Revision and Unit End Assessment				**2**	161 July, 2026	17, July, 2026
	Force and its types	1. Define force, units and its types	✓			**1**	18, July, 2026	**--------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
8. Force and Pressure		with examples.						
		2. Examine the effect of balanced and unbalanced force on an object.			✓	**2**	20, July, 2026	10, August, 2026
		3. Examine the effect of force in the presence of air pressure.			✓	**1**	11, August, 2026	-----
	Pressure	4. Define 'pressure' with examples and its unit.	✓			**1**	13, August, 2026	------
		5. Relate pressure with force and area.		✓		**1**	15, August, 2026	-------
		6. Investigate effects related to pressure (e.g., water pressure increasing with depth, a balloon expanding when inflated, etc.).			✓	**1**	17, August, 2026	--------
	Buoyancy	7. Differentiate between floating and sinking objects in terms of density.			✓	**1**	18, August, 2026	-------
	Hydraulic Elevator	8. Make a hydraulic elevator. (STEAM)			✓	**2**	19, August 2026	20, August, 2026
	Rocket	9. Build a two stage rocket model. (STEAM)			✓	**2**	21, August , 2026	22, August, 2026
	Practical	10. The concerned teacher will select any practical from the chapter.			✓	**1**	24, August , 2026	-----

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
9. Reflection and Refraction of Light		**Revision and Unit End Assessment**				**2**	25, August , 2026	26, August , 2026
	Properties of Light and Ray Model of Light	1. Identify basic properties of light (i.e., speed, transmission through different media, absorption, reflection and dispersion).		✓		**2**	27, August ,2026	28, August, 2026
	Laws of Reflection	2. State the Laws of Reflection.	✓			**1**	29, August ,2026	**------**
	Plane Mirror, Image formation and characteristic	3. Describe and show how an image is formed by the plane mirror.			✓	**1**	31, August, 2026	**------**
		4. Illustrate the characteristics of image formed by plane mirror.		✓		**1**	01, September, ,2026	**------**
	Colour	5.Investigate that light is made up of many colors			✓	**1**	02, September, 2026	**------**
		6.Relate the apparent color of objects to reflected or absorbed light		✓		**1**	03, September, 2026	**------**
	Refraction of light	7. Distinguish between reflection and refraction of light with daily life examples.		✓		**1**	04, September, 2026	**------**
		8. Explain that light is refracted at the boundary between air and any		✓		**1**	05, September, ,2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		transparent material.						
	Spherical mirrors	9. Identify spherical mirror, describe the characteristics of image(s) formed by concave mirrors and convex mirrors..		✓		**2**	07, September, 2026	08, September , 2026
		10. Describe different optical instruments which use curved mirrors.		✓		**1**	09, September, 2026	**------**
		11. Describe use of different optical instruments with plane in which spherical mirrors are used.		✓		**1**	10, September , 2026	**------**
	Practical	12.The concerned teacher will select any practical from the chapter.			✓	**1**	11, September, 2026	
		Revision and Unit End Assessment				**3**	12, September, 2026	15, September , 2026
10. Electricity and Magnetism	Electric Current	1. Define current and its SI unit.	✓			**1**	16, September, 2026	**------**
	Voltage	2. Define voltage and its SI unit.	✓			**1**	17, September, 2026	**------**
	Resistance	3.Define resistance and its SI unit	✓			**1**	18, September, 2026	**------**
		4. Formulate that resistance is the ratio of voltage to current.			✓	**1**	19, September, 2026	**------**

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Electrical Power	5. Define electric power and its unit.	✓			**1**	28, September, 2026	------
		6. Recognize the electric power of various electrical appliances.		✓		**1**	29, September , 2026	------
	Electric Safety Devices	7. Recognize the terms earth wire, fuse, circuit breaker.		✓		**1**	30 September, ,2026	------
		8. Analyze the danger of overloading and short circuit and identify the importance of earth wire, fuses and circuit breakers.			✓	**2**	01, October, ,2026	02, October, 2026
	Potential Hazards in using Electricity	9. List precautionary measures to ensure the safe use of electricity.	✓			**1**	03, October , 2026	
	Electromagnets and Applications	10. Describe the properties that are unique to electromagnets (i.e. The strength varies with current, number of coil, and types of metals in the core, the magnetic attraction can be turned on and off, and the poles can switch)			✓	**2**	05, October , 2026	06, October, 2026
		11. Investigate the factors that the effect the strength of an electromagnet.		✓		**1**	07, October , 2026	----
		12. Describe briefly the working principles of electromagnetic devices	✓			**2**	08, October , 2026	09, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		such as speaker, doorbell.						
	Practical	13.The concerned teacher will select any practical from the chapter.			✓	**1**	10, October, 2026	**-----**
	Revision and Unit End Assessment					**2**	12, October , 2026	13. October, 2026
11. Technology in everyday life	Application of Acids and Bases in technology Designing a concave Mirror type solar cooker	1. Make bio plastic from milk and vinegar as an application of biotechnology.			✓	**2**	14, October , 2026	15, October, 2026
		2. Make toothpaste, soap and detergent as an application of acids and bases in daily life.			✓	**2**	16, October , 2026	17, October, 2026
		3. Design a car that is powered solely by a chemical reaction and can travel.			✓	**2**	19, October , 2026	20, October, 2026
		4. Assemble a concave mirror type solar cooker to convert solar energy into heat energy.			✓	**2**	21, October , 2026	22, October, 2026
	Deigning a Wind Turbine	5. Assemble and operate a simple wind turbine to produce electricity.			✓	**3**	23, October, 2026	25, October, 2026
	Working of UPS	6. Demonstrate the working of UPS and use it to operate a fan or energy saver bulb.			✓	**2**	26, October, , 2026	27, October, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
	Practical	7.The concerned teacher will select any practical from the chapter.			✓	**1**	28, October, , 2026	**---**
		Revision and Unit End Assessment				**3**	29, October, , 2026	31, October, 2026

C. Earth and Space Science

12. Our Universe	Galaxies	1. Explore and understand the terms, galaxy and Compare the types of galaxies		✓		**2**	02, November, 2026	03, November, 2026
	The Milky way Galaxy	2. Define term Milky Way galaxy	✓			**1**	04, November, 2026	**------**
	The Life of Stars	3. Relate the life of a star with the formation of black hole, neutron star. Pulsar White Dwarf, Red Giant.		✓		**2**	05, November, 2026	06, November, 2026
	The Life of Sun	4. Discuss the birth and eventual death of our sun.	✓			**2**	07, November, 2020	10, November, 2026
	Information From Space	5. Show how information is collected from space by using telescopes (e.g., Hubble Space Telescope) and space probes (e.g., Galileo).		✓		**2**	11, November, 2026	12, November, 2026

Unit/ Theme	Sub Topics	Students Learning Outcomes	Cognitive Levels			Duration/ No. of Days	Time line Zone: Winter	
		6. Describe advancements in space technology and analyze the benefits generated by the technology of space exploration.		✓		**1**	13, November, 2026	**-----**
	Practical	7. The concerned teacher will select any practical from the chapter.			✓	**1**	14, November, 2026	**-----**
		Revision and Unit End Assessment				**1**	16, October, 2026	------

DISTRIBUTION OF DAYS PER UNIT

Name of Themes	Name of Units	Number of SLOs	Number of days Required	Date
Life Sciences	**Ecology**	10	22	02 March. to 28 March. 2026
	Human Nervous System	11	19	30 March to 20 April 2026
	Variations, Heredity and cell division	11	16	22 April. to 09 May 2026.
	Biotechnology	05	11	11 May to 22 May 2026
Physical Sciences	**The periodic table of elements**	05	10	23 May to 06 June, 2026
	Chemical reactions and bonding	12	21	08 June to 03 July 2026
	Acids, bases and salts	07	12	04 July to 17 July 2026
	Force and pressure	10	15	18 July to 26 August 2026
	Reflection and refraction of light	12	17	27 August to 15 September. 2026
	Electricity and magnetism	13	18	16 September. to 13 October. 2026
	Technology in everyday life	7	17	14 October. to 31 October. 2026
Earth and Space Science	**Our universe**	7	12	02 November. to 16 November. 2026
Total		**110**	**190**	

S#	Theme/Units	No. of Sub-Topics	SLOs			Total SLOs
			K	U	A	
1	**Ecology**	07	00	07	03	10
2	**Human Nervous System**	07	01	06	04	11
3	**Variations, Heredity and cell division**	05	03	06	02	11
4	**Biotechnology**	03	01	02	02	05
5	**The periodic table of elements**	04	02	02	01	05
6	**Chemical reactions and bonding**	09	04	04	04	12
7	**Acids, bases and salts**	06	02	03	02	07
8	**Force and pressure**	06	02	01	07	10
9	**Reflection and refraction of light**	07	01	08	03	12
10	**Electricity and magnetism**	08	06	03	04	13
11	**Technology in everyday life**	05	00	00	07	07
12	**Our universe**	06	02	04	01	07
Total		**74**	**24**	**46**	**40**	**110**

Determining Marks/Weightage for a Specific Theme/Unit General Science 8

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total No of SLOs of Subject	Weightage in % = No of SLOs in the Unit / Total No of SLOs of the Subject × 100	Weightage in Marks = Calculated Percentage in previous column X Total Marks including option(140) ÷ 100
1	**Ecology**	10	110	9	13
2	**Human Nervous System**	11	110	10	14
3	**Variations, Heredity and cell division**	11	110	10	14
4	**Biotechnology**	05	110	5	6
5	**The periodic table of elements**	05	110	5	6
6	**Chemical reactions and bonding**	12	110	11	15
7	**Acids, bases and salts**	07	110	6	9
8	**Force and pressure**	10	110	9	13
9	**Reflection and refraction of light**	12	110	11	15
10	**Electricity and magnetism**	13	110	12	17
11	**Technology in everyday life**	07	110	6	9
12	**Our universe**	07	110	6	9
Total		**110**	**110**		**140**

TABLE OF SPECIFICATION (INCLUDING OPTIONS)

S No	Theme/Unit	No of SLOs in the Unit	Total Marks	MCQs	CRQs	ERQs
1	**Ecology**	10	13	02 ×1 = 02	02 × 3 = 06	01 × 7 = 07
2	**Human Nervous System**	11	14	02 × 1 = 02	03 × 3 = 09	
3	**Variations, Heredity and cell division**	11	14	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
4	**Biotechnology**	05	6	02 × 1 = 02	02 × 3 = 06	
5	**The periodic table of elements**	05	6	02 × 1 = 02	03 × 3 = 09	01 × 7 = 07
6	**Chemical reactions and bonding**	12	15	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
7	**Acids, bases and salts**	07	9	02 × 1 = 02	02 × 3 = 06	
8	**Force and pressure**	10	13	02 × 1 = 02	02 × 3 = 06	01 × 7 = 07
9	**Reflection and refraction of light**	12	15	02 × 1 = 02	02 × 3 = 06	
10	**Electricity and magnetism**	13	17	01 × 1 = 01	02 × 3 = 06	01 × 7 = 07
11	**Technology in everyday life**	07	9	01 × 1 = 01	02 × 3 = 06	-
12	**Our universe**	07	9	01 × 1 = 01	02 × 3 = 06	
Total		**110**	**140**	**20**	**78**	**42**

SUMMARY OF EXAM SPECIFICATION

Section	Number of Questions	Marks per Question	Total Marks of questions to be attempted	Total marks with options
MCQs	**20**	**1**	**20**	**20**
CRQs	**13+13 (100 % Choice)**	**3**	**39**	**78**
ERQs	**3+3 (100 % Choice)**	**7**	**21**	**42**
Practical			**20**	
Total	**60**	**-**	**100**	**140**