

Syllabus Breakdown

Science Grade 4

Teaching weeks per annum

For the regions where academic session begins in **April**

FIRST TERM: APRIL – SEPTEMBER

Expected Teaching Weeks

April	Teaching Week 1	Teaching Week 2	Teaching Week 3	Teaching Week 4
May	Teaching Week 5	Teaching Week 6	Teaching Week 7	First Midterm Examination
June	<i>Summer Vacation</i>	<i>Summer Vacation</i>	<i>Summer Vacation</i>	<i>Summer Vacation</i>
July	<i>Summer Vacation</i>	<i>Summer Vacation</i>	<i>Summer Vacation</i>	<i>Summer Vacation</i>
August	Teaching Week 8	Teaching Week 9	Teaching Week 10	Teaching Week 11
September	Teaching Week 12	Teaching Week 13	1st Term Examination	1st Term Examination

SECOND TERM: OCTOBER – MARCH

Expected Teaching Weeks

October	Teaching Week 14	Teaching Week 15	Teaching Week 16	Teaching Week 17
November	Teaching Week 18	Teaching Week 19	Teaching Week 20	Teaching Week 21
December	Teaching Week 22	Second Midterm Examination	<i>Winter Vacation</i>	<i>Winter Vacation</i>
January	Teaching Week 23	Teaching Week 24	Teaching Week 25	Teaching Week 26
February	Teaching Week 27	Teaching Week 28	Teaching Week 29	Teaching Week 30
March	<i>Revision Work</i>	Annual Examination	Annual Examination	<i>PTM & Annual Day</i>



Teaching weeks per annum

For the regions where academic session begins in **August**

FIRST TERM: AUGUST – DECEMBER

Expected Teaching Weeks

August	Teaching Week 1	Teaching Week 2	Teaching Week 3	Teaching Week 4
September	Teaching Week 5	Teaching Week 6	Teaching Week 7	First Midterm Examination
October	Teaching Week 8	Teaching Week 9	Teaching Week 10	Teaching Week 11
November	Teaching Week 12	Teaching Week 13	Teaching Week 14	Teaching Week 15
December	Midterm Examination	Midterm Examination	<i>Winter Vacation</i>	<i>Winter Vacation</i>

SECOND TERM: OCTOBER – MARCH

Expected Teaching Weeks

January	Teaching Week 16	Teaching Week 17	Teaching Week 18	Teaching Week 19
February	Teaching Week 20	Teaching Week 21	Teaching Week 22	Second Midterm Exam
March	Teaching Week 23	Teaching Week 24	Teaching Week 25	Teaching Week 26
April	Teaching Week 27	Teaching Week 28	Teaching Week 29	Teaching Week 30
May	<i>Revision Work</i>	Annual Examination	Annual Examination	<i>PTM & Annual Day</i>



Allocation of periods

Subjects and period distribution for preparing timetable, syllabus breakdown, lesson plans etc.

SN	SUBJECT	JUNIOR			PRIMARY		SECONDARY			EACH SUBJECT PER ANNUM
		GRADE – 1	GRADE – 2	GRADE – 3	GRADE – 4	GRADE – 5	GRADE – 6	GRADE – 7	GRADE – 8	
1	English Language	5	5	5	5	5	5	5	5	150
2	Urdu Language	5	5	5	5	5	5	5	5	
3	Mathematics	5	5	5	5	5	5	5	5	
4	Science	-	-	-	5	5	5	5	5	
5	General Knowledge	5	5	5	-	-	-	-	-	
6	Sindhi Language ¹	4	4	4	4	4	4	4	4	120
7	Social Studies	-	-	-	4	4	-	-	-	
8	Islamiyat	4	4	4	4	4	4	4	4	
9	Nazra-e-Quran ²	4	4	4	4	4	4	4	4	
10	Geography	-	-	-	-	-	3	3	3	90
11	Computer Science	3 SRM ³	3 SRM	3 SRM	3 SRM	3 SRM	3	3	3	
12	Life Skills	3 SRM	3 SRM	3 SRM	-	-	-	-	-	
13	Artwork	3 SRM	3 SRM	3 SRM	-	-	-	-	-	60
14	History	-	-	-	-	-	2	2	2	
15	Life Skills & Art	-	-	-	2 SRM	2 SRM	-	-	-	30
		-	-	-	-	-	1 SRM	1 SRM	1 SRM	
PERIODS PER WEEK		37	37	37	37	37	37	37	37	

¹ In Sindh Region only

² In all regions except Sindh

³ SRM: (Supplementary Reading Material)



FIRST TERM | UNITS OR CHAPTERS DISTRIBUTION WITHIN 15 STUDY WEEKS OF THIS TERM.

Study Week 1 [1/15 1/30]Unit #01 Characteristics andLife Processes of Organisms page # 6-16 page # 31	Study Week 2 [2/15 2/30]Unit #01 Characteristics and Life Processes of Organisms page # 6-20 page # 31	Study Week 3 [3/15 3/30] Unit #01 Characteristics andLife Processes of Organisms page # 17-26, Page # 31	Study Week 4[4/15 4/30] Unit #01 & 02 page # 27-36, Page # 31
Study Week 5 [5/15 5/30] Unit #01 & 02 page # 30-45 Page # 31	Study Week 6[6/15 6/30] Unit # 02 page # 45-48	Study Week 7 [7/15 7/30] Unit #02 & 03 page # 34-56	Study Week 8[8/15 8/30] Unit # 03 page # 56-66,
Study Week 9[9/15 9/30] Unit # 03 & 04 page # 66-76,	Study Week 10(10/15 10/30) Unit # 04 page # 77-82	Study Week 11[11/15 11/30] Unit # 04 & 05 page # 77-91	Study Week 12(12/15 12/30) Unit # 05 page # 92-98
Study Week (13/15 13/30) Unit # 01 & 05 page # 84-100	Study Week[14/15 14/30] Unit: 6, Forces and motion. Pg # 102-108	Study Week [15/15 15/30] Unit: 6, Forces and motion. Pg # 109-112	



SECOND TERM / Final Term | UNITS OR CHAPTER DISTRIBUTION WITHIN 15 WEEKS OF THIS TERM.

Study Week [1/15 16/30] Unit: 5, Forms of energy and energy transfer. Unit: 6, Forces and motion. Pg #98-112	Study Week [2/15 17/30] Unit: 7, Earth and its Resources. Pg # 113-119, 125	Study Week [3/15 18/30] Unit: 7, Earth and its Resources. Pg # 120 -125	Study Week [4/15 19/30] Unit: 7, Earth and its Resources. Unit # 8, Weather and climate. Pg # 125-129
Study Week [5/15 20/30] Unit # 8, Weather and climate. Pg # 130-134	Study Week [6/15 21/30] Unit # 8, Weather and climate. Pg # 135-137	Study Week [7/15 22/30] Unit # 9, Earth in the Solar System. Pg # 139-143	Study Week [8/15 23/30] Unit # 9, Earth in the Solar System. Pg # 144-149
Study Week [9/15 24/30] Unit # 9, Earth in the Solar System. Pg # 149-152	Study Week [10/15 25/30] Unit # 9, Earth in the Solar System. Pg # 152-153	Study Week [11/15 26/30] Unit # 10, Technology in everyday life. Pg # 155-157	Study Week [12/15 27/30] Unit # 10, Technology in everyday life. Pg # 157-159
Study Week [13/15 28/30] Unit # 10, Technology in everyday life. Pg # 159-162	Study Week [14/15 29/30] Unit # 10, Technology in everyday life. Pg # 162-166	Study Week [15/15 30/30] REVISION Unit # 06 till 10	



1st Term

1 /15 1 /30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct 15 weeks	1 to 15	75 periods
				II Nov-Mar 15weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit #01 Characteristics and Life Processes of Organisms			
	Week 1	[120]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		1.	Characteristics of Living things	page # 6-7	<ul style="list-style-type: none"> •Reading and explanation of characteristics of living things. •Ask the students if they can tell some more qualities of living things. •Also show some visual pictures or things that are living or non-living in nature. 	
		2.	Major Groups of living things.	Page# 07 -09	Reading, writing and discussion on the topic. <ul style="list-style-type: none"> •Explain the similarities and differences between plants and animals. •Activity. Do activity given on page # 09 • Solve Short Q # 1 & 2 from exercise page #31 	
		3.	Classification of Animals.	Page # 09-11	Reading, writing and discussion on the topic. <ul style="list-style-type: none"> •Introduce the concept of classification of animals, also introduce the two classes of animals vertebrates and invertebrates. •Introduce the cold blooded and warm blooded animals 	
		4.	Classification of Animals.	Page # 12-14	Reading, writing, discussion and activity on the topic. <ul style="list-style-type: none"> •Introduce the cold blooded and warm blooded animals and also share amazing and interesting facts about these animals. •Discuss the differences and similarities between vertebrates and invertebrates. Solve Short Q # 03 page#31 	



		5.	Classification of plants.	Page # 14-16	<ul style="list-style-type: none"> • Reading, writing, discussion and activity on the topic. Clear the concept of classification of plants in flowering and non-flowering plants.
--	--	----	----------------------------------	---------------------	---



2 /15 2 /30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
5 periods p/w 150 p/a				II	Nov-Mar	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit #01 Characteristics and Life Processes of Organisms					
	Week 2	[120]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		6.	Unit #01.	Page # 06-15		Take written test from page # 06 -15		
		7.	Difference between flowering and non-flowering plants.	Page # 17-18		<ul style="list-style-type: none"> •Read respective concepts from the course book and discuss its important concepts with the students. Home Work: Q #06 (How flowering plants are different from non-flowering plants). Page #31 		
		8.	Biodiversity	page# 18 -19		<ul style="list-style-type: none"> •Class discussion, Reading, Activity and writing. •Clear the concept of biodiversity and different ways for protection of biodiversity. •Home work: Long Q#04 page# 32 		
		9.	Exercise	page# 32		<ul style="list-style-type: none"> Solve exercise long Q #02 • What is the importance of biodiversity? 		
		10.	Major organs and parts of human body and their function	page# 19-20		<ul style="list-style-type: none"> •Tell the students about the major parts of the human body and their function. • Tell the students about teeth, their types and function. 		
			Exercise	page# 31		Solve short Q # 4 from exercise.		

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



3 /15 3 /30

Daily Break-Up

This is our new teaching week.



Science	Class-4 40 min	TERM INFORMATION	I Apr-Oct 15 weeks	1 to 15	75 periods
5 periods p/w 150 p/a			II Nov-Mar 15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit #01, Characteristics and Life Processes of Organisms.		
	Week 3	[120]	TOPIC/CONTENT & PAGE NUMBER	WORKBOOK / ACTIVITY CONTENTS	
		11.	Unit #01. Page # 17-20	Take written test.	
		12.	Tooth Decay, Bones and Muscles page# 21-23 Exercise page# 31	<ul style="list-style-type: none"> •Read tooth Decay, Bones and Muscles from the course book and discuss their functions with the students. Home Work: Short Q #05 	
		13.	Bones and Muscles work together to produce movement and Lungs. page# 24-25	<ul style="list-style-type: none"> Class discussion, reading, activity and writing. •Explain how bones and muscles work together to produce movement. •Do Activity page# 25 	
		14.	Heart , Stomach page# 25-26	<ul style="list-style-type: none"> Class discussion, reading, activity and writing. • Tell the students about the function of the human organs and such as the heart, lungs, stomach and brain. •Do Activity page# 26 Long Question. Q#1 & 3 page#32 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher



4 /15 4 /30

Daily Break-Up

This is our new teaching week.



Science	Class-4 40 min	TERM INFORMATION	I Apr-Oct 15 weeks	1 to 15	75 periods
5 periods p/w 150 p/a			II Nov-Mar 15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit #01, Characteristics and Life Processes of Organisms. Unit #02, Ecosystems.		
	Week 4	[120]	TOPIC/CONTENT & PAGE NUMBER	WORKBOOK / ACTIVITY CONTENTS	
		15.	Parts of a plant and their function Activity Page#27 -28	<ul style="list-style-type: none"> •Tell the students about the structure and function of stems, leaves, flowers, and roots. •Do activity in the class. 	
		16.	Parts of a plant and their function Activity Page#28 -29	<ul style="list-style-type: none"> •Tell the students about the structure and function of seeds and fruits •Do activity for home work 	
		17.	Project Page#31 -32	<ul style="list-style-type: none"> • Do project in the class room. 	
		18.	Ecosystems page# 34-35	Class discussion, reading, activity and writing. <ul style="list-style-type: none"> •Introduce the concept of Ecosystem and ponds •Do Activity page# 35 • Short Q # 02, Define Ecosystem. Page # 48 	
		19.	Ecosystems page# 36	Class discussion, reading, activity and writing. <ul style="list-style-type: none"> •Introduce the concept of Ecosystem and some types of ecosystem. • Short Q # 01, Page # 48 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher



5 /15 5 /30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct 15 weeks 1 to 15 75 periods
				II Oct-Nov 15 weeks 16 to 30 75 periods
MONTH	WEEK	PN	Unit #01, Characteristics and Life Processes of Organisms. Unit #02, Ecosystems.	
	Week 5	[120]	TOPIC/CONTENT & PAGE NUMBER	WORKBOOK / ACTIVITY CONTENTS
		20.	Characteristics and Life Processes of Organisms. Page#30-32	Test of long and short questions.
		21.	Components of Ecosystems. Page#37-39 Classification of the Consumer Animals	Class discussion, reading, activity and writing. •Tell the students about the components of Ecosystem i.e Biotic and Abiotic components •Introduce the concept of the categories of herbivores, carnivores and omnivores. Q # 03 How carnivores are different from omnivores? Page# 48
		22.	Abiotic Components Page#40	Class discussion, reading, activity and writing. •Tell the students about the components of Ecosystem i.e Abiotic components. • Short Q # 04, page# 48
		23.	Food Chain and links of Food Chain Page#41-43	•Introduce the concept of the Food Chain and links of the food chain. •Do Activity page# 43
		24.	Predator-Prey Relationship Page#44-45	•Introduce the concept of Predator-Prey Relationship and competition among organisms. •Balanced Ecosystem.

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



6 /15 6 /30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				
		I	Apr-Oct	15 weeks	1 to 15	75 periods
		II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit #02, Ecosystems.			
	Week 6	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		25.	Impacts of Human Actions on Food Chain in an Ecosystem Page#45-46		Clear the concept of “ Impacts of Human Actions on Food Chain in an Ecosystem and Role of humans to save the ecosystem” through reading , discussion.	
		26.	Exercise Page#47-48		<ul style="list-style-type: none"> •Tick the correct answers. •Write the short answers of given question 	
		27.	Exercise Page#48		<ul style="list-style-type: none"> •Tick the true and cross the false. •Write the answers of 1 & 2 long questions. 	
		28.	Exercise Page#48		<ul style="list-style-type: none"> •Write the answers of 3 & 4 long questions. 	
		29.	Exercise Page#48		<ul style="list-style-type: none"> •Project Make a model of ecosystem using abiotic and biotic components of Ecosystem. 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



7 /15 7 /30

Daily Break-Up**This is our new teaching week.**

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16to 30	75 periods
MONTH	WEEK	PN	Unit #02, Ecosystems. Unit # 03 Human Health					
	Week 7	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS			
		30.	Ecosystems	Page#34-48	Take assessment of whole chapter.			
		31.	Health, System of Illness	Page#51	•Tell the students about the health and system of illness such as fever, cough, influenza and allergies.			
		32.	Types of diseases Ways by which micro-organisms enter the human body.	Page#52-53	•Tell the students about the Contagious like polio, tuberculosis, cancer and diabetes and also tell about non- Contagious diseases •Also explain the ways by which micro-organisms enter the human body.			
		33.	Prevention of Infection or Diseases Page#54-55		•Tell the students about the Prevention of Infection or Diseases and also tell the importance of washing hands, wearing masks and Vaccination.			
		34.	Food Groups and Sources	Page#55-56	•Introduce main food groups to the students like carbohydrates, Proteins, Fats etc.			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



8 /15 8 /30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 03, Human Health					
	Week 8	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		35.	Food Groups and Sources	Page#56-57	<ul style="list-style-type: none"> • Introduce main food groups to the students like Vitamins, Minerals, water etc. 			
		36.	Balance Diet and its Importance	Page#58-59	<ul style="list-style-type: none"> • Tell the students about a balanced diet and its importance. Also tell the students about nutritional deficiency and related diseases • Explain Food Pyramid. Give activity for home work. Page # 60 			
		37.	Ways of Maintaining Good Health	Page#60-62	<ul style="list-style-type: none"> • Tell the students about different Ways of Maintaining Good Health. • Explain Basic principles of hygiene. 			
		38.	Value of Clean Drinking Water Factor Causing water pollution Ways making water clean	Page#63-64	<ul style="list-style-type: none"> • Tell the students about the Value of Clean Drinking Water, Factor Causing water pollution • Introduce the ways of cleaning water through boiling and Filtration. 			
		39.	Exercise	Page#66	<ul style="list-style-type: none"> • Write 1 till 3 short questions in the class room. • Give MCQ's for Home work. 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



9 /15 9 /30

Daily Break-Up**This is our new teaching week.**

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				I Apr-Oct 15 weeks 1 to 15 75 periods	II Oct-Nov 15 weeks 16 to 30 75 periods	
MONTH	WEEK	PN	Unit # 03, Human Health Unit # 04 Matter and its Characteristics		TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS
	Week 9	[150]						
		40.	Exercise	Page#66	<ul style="list-style-type: none"> • Write 4& 5 short questions in the class room. • Answer Question 1 & 2 long questions. 			
		41.	Exercise	Page#66-67	<ul style="list-style-type: none"> • Write the answers of constructed response questions • Complete Investigate, activity and project. 			
		42.	Things are made up of matter	Page#70-71	Class discussion, reading, activity and writing. <ul style="list-style-type: none"> • Tell the students about things are made up of matter. • Explain States of Matter Solid. 			
		43.	States of Matter	Page#72-74	<ul style="list-style-type: none"> • Tell the students about state of Matter “Liquid and Gas”. • Also do activity on page# 74 . 			
		44.	Classification of objects on the basis of their physical properties.	Page# 75-76	<ul style="list-style-type: none"> • Introduce the concept of states of matter and arrangements of partials. 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



10/15 10/30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 04 Matter and its Characteristics					
	Week 10	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		45.	Conductors Physical properties of metals.	Page#77-78		Class discussion, reading, activity and writing. • Explain the conductors, physical properties of metals.		
		46.	Exercise	Page#79-81		Class discussion, reading, activity and writing. • Explain density of metals, • Tick ✓ the correct answers. • Tick ✓ true or false for the following statements.		
		47.	Exercise	Page# 81		• Answer the given short questions.		
		48.	Exercise	Page# 81		• Answer the following long questions.		
		49.	Constructed	Page# 81-82		• Constructed Response questions. • Project Work		

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



11/15 11/30
Daily Break-Up
This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct	15 weeks	1 to 15	75 periods
				II Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 04 Matter and its Characteristics		Unit # 05, Forms of energy and Energy Transfer		
	Week 11	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS	
		50.	Matter and its Characteristics	Page#77-78	•Written test of whole chapter.		
		51.	Energy and Sources of Energy Task 1 & 2.	Page#84-86	Class discussion, reading, activity and writing. • Explain the definition of energy. • Sources of Energy and its uses. • Light Energy and energy is needed to do Work. • Task 1 and 2.		
		52.	Transformation of Solar Energy	Page# 86-87	• Explanation and reading of the transformation of energy.		
		53.	Hydroelectricity	Page# 87-89	• Explanation and reading of the Hydroelectricity, Thermal energy and conservation of energy. Do activity page# 89		
		54.	Reflection of Light Rainbow, Light travel in a straight light	Page# 90-91	• Constructed Response questions. • Project Work		

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



12/15 12/30
Daily Break-Up
This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				
		I	Apr-Oct	15 weeks	1 to 15	75 periods
		II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 05, Forms of energy and Energy Transfer			
	Week 12	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		55.	Location, Size and shape of the shadow Page#92-93		Class discussion, reading, activity and writing. • Explain Location, Size and shape of the shadow and properties of sound.	
		56.	laboratory Thermometer Page#94-96		Class discussion, reading, activity and writing. • Explain laboratory thermometer.	
		57.	Electrical Circuit and its components Page# 96-97		• Explanation and reading of “Electrical Circuit and its Components”.	
		58.	Exercise Page# 98-99		• Tick ✓ the correct answers. • Tick ✓ true or false for the following statements.	
		59.	Exercise Page# 98		• Answer the given short questions.	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



13/15 13/30

Daily Break-Up

This is our new teaching week.



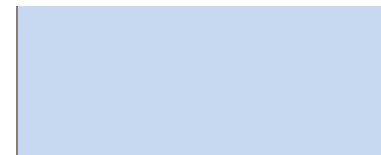
Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 05, Forms of energy and Energy Transfer					
		Week 13	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		60.	Exercise	Page# 99	•Answer the following long questions.			
		61.	Exercise	Page# 99	•Answer the following long questions.			
		62.	Exercise	Page# 99-100	<ul style="list-style-type: none"> • Constructed Response questions. • Project Work 			
		63.	Forms of energy and Energy Transfer	Page# 84-99	•Test of whole chapter.			
		64.	Unit #01 till Unit # 05	Page# 06-99	•Test of whole chapter.			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



14/15 14/30
Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16to 30	75 periods
MONTH	WEEK Week 14	PN [150]	Unit: 6, Forces and motion.		WORKBOOK / ACTIVITY CONTENTS			
			TOPIC/CONTENT & PAGE NUMBER					
		1.	Effects of forces.	Page# 102 - 103	<ul style="list-style-type: none"> • Reading and explanation of force and their types. • Activity: Allow the students to use the forces (Push , Pull) on class materials • Explain the effects of forces. 			
		2.	Friction and its uses.	Page# 104 – 105,111	<ul style="list-style-type: none"> • Class discussion, reading, writing and explanation. • Explain the topic friction and uses of friction. • Solve short Q # 1 from exercise page # 111. 			
		3.	Disadvantages and advantages of Friction.	Page# 105 -106	<ul style="list-style-type: none"> • Class discussion, reading, explanation, and writing. • Explain the advantages and disadvantages of friction. • Activity: Do activity given on book page # 106. 			
		4.	Gravitational Force.	Page # 107	<ul style="list-style-type: none"> • Reading and explanation of gravitational force. • Activity: Do activity showing force of gravity. 			
		5.	Simple Machines.	Page # 108	<ul style="list-style-type: none"> • Reading and demonstrate the different simple machines. • Hammer, gear and scissors. 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



15/15 15/30

Daily Break-Up

This is our new teaching week.

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
5 periods p/w 150 p/a				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit: 6, Forces and motion.					
	Week 15	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Simple machines (Pulley)	Page# 109	<ul style="list-style-type: none"> Explain the pulley. Discuss some questions about pulley given on book. 			
		2.	Simple machines (Ramp)	Page# 109,111	<ul style="list-style-type: none"> Discussion and writing Explain the Ramp. Solve short Q #2, 3, 4 given on book page # 111. 			
		3.	Simple machines (Lever)	Page# 110-111	<ul style="list-style-type: none"> Explanation of the topic Lever. Solve short Q # 5 on book page #111 Homework: Do Ex: A on book page #111. 			
		4.	Exercise	Page # 110-112	<ul style="list-style-type: none"> Class activity and writing. Do activity page# 112. Solve long questions Q # 1, Q # 2 on given page #112. 			
		5.	Projects	Page # 111- 112	<ul style="list-style-type: none"> Homework: Do Ex: C on given page # 111-112. 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



2nd Term /Final Term

1/15 16/30



Daily Break-Up

This is our new teaching week.

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct 15 weeks	1 to 15	75 periods
				II Oct-Nov 15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit: 5, Forms of energy and energy transfer. Unit: 6, Forces and motion.			
	Week 16	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		1.	Forms of energy and energy transfer # 98	Page	<ul style="list-style-type: none"> Take Assessment of all short questions. 	
		2.	Forms of energy and energy transfer # 99	Page	<ul style="list-style-type: none"> Take test of Q # 1 till Q# 3 Long questions 	
		3.	Forms of energy and energy transfer # 98-99	Page	<ul style="list-style-type: none"> Take assessment of whole exercise. 	
		4.	Forces and motion	Page # 111	<ul style="list-style-type: none"> Take Assessment of all short questions. 	
		5.	Forces and motion	Page # 111-112	<ul style="list-style-type: none"> Take assessment of whole exercise. 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



2/15 17/30

Daily Break-Up

This is our new teaching week.



Science		Class-4 40 min		TERM INFORMATION		I Apr-Oct 15 weeks		1 to 15		75 periods		
5 periods p/w 150 p/a				II Oct-Nov 15 weeks				16 to 30		75 periods		
MONTH	WEEK	PN	Unit: 7, Earth and its Resources.									
	Week 17	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS				
		1.	Projects		Page # 113-114		<ul style="list-style-type: none"> Do activity in the classroom. 					
		2.	Earth and its Resources		Page # 116		<ul style="list-style-type: none"> Do projects in the classroom. Class discussion and reading. Tell the students about Earth and physical characteristics of Earth. 					
		3.	Natural Resources		Page # 116 - 117		<ul style="list-style-type: none"> Introduce the concept of Natural and Renewable resources. 					
		4.	Fresh water and its Resources		Page# 117		<ul style="list-style-type: none"> Tell the students about the difference between Fresh water and sea water. Make a flow chart of dissolved components in sea water. 					
		5.	Natural Resources (Water, Air and Soil)		Page # 118-119,125		<ul style="list-style-type: none"> Reading, discussion and writing. Explain the natural resources used in daily life. Solve the short Q # 1 page 125. 					

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



3/15 18/30

Daily Break-Up

This is our new teaching week.



Science		Class-4 40 min		TERM INFORMATION		I Apr-Oct 15 weeks		1 to 15		75 periods		
5 periods p/w 150 p/a						II Oct-Nov 15 weeks		16 to 30		75 periods		
MONTH	WEEK	PN	Unit: 7, Earth and its Resources.									
	Week 18	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS				
		1.	Oil and Natural gas.		Page # 120		<ul style="list-style-type: none"> Reading and writing. Tell the students about Oil and Natural Gases. Homework: Do Ex: A on page # 124. 					
		2.	Non – Renewable Resources.		Page # 121		<ul style="list-style-type: none"> Introduce the concept of difference between Renewable Resource and Non – Renewable Resources. 					
		3.	Energy Resources.		Page # 121		<ul style="list-style-type: none"> Clear the concept of different kinds of energy resources are used in our life. Tell the students about Fossils. 					
		4.	Impact of human activity on natural resources		Page# 122-123		<ul style="list-style-type: none"> Explain the impact of human activity on Earth. Give detail about deforestation. 					
		5.	Exercise		Page # 125		<ul style="list-style-type: none"> Solve the short Q# 2, 3, 4. 					

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



4/15 19/30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit: 7, Earth and its Resources. Unit # 8, Weather and climate.					
	Week 19	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Exercise	Page # 125	<ul style="list-style-type: none"> Do Q # 5 on notebooks. Solve Long Q # 1 and Q# 2. 			
		2.	Exercise	Page # 125	<ul style="list-style-type: none"> Investigate: Explanation and understanding of given questions. 			
		3.	Project	Page # 126	<ul style="list-style-type: none"> Do project in the classroom. 			
		4.	Weather and climate	Page # 128	<ul style="list-style-type: none"> To introduce the concept of Weather and Climate. 			
		5.	Components and difference between Weather and climate.	Page # 128-129	<ul style="list-style-type: none"> Explain about the components of Weather and climate. Introduce the concept of difference between Weather and climate. 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



5/15 20/30

Daily Break-Up

This is our new teaching week.



Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
5 periods p/w	150 p/a			II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 8, Weather and climate.					
	Week 20	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Effects of the heat of the sun.	Page # 130	<ul style="list-style-type: none"> To give the concept of effect of the Heat of the sun on Weather and climate. Solve short Q # 1, 2, 3, 4. 			
		2.	Effect of light with Longitude.	Page# 131	<ul style="list-style-type: none"> To give explanation about the effect of light with Longitude. Homework: Note down the timings of sunrise and sunset. 			
		3.	State of the Weather.	Page # 132	<ul style="list-style-type: none"> Explanation and writing. Tell the students about state of the weather along with diagram. Solve short Q# 5. 			
		4.	Geographical location and Climate relationships.	Page # 133	<ul style="list-style-type: none"> Elaborate the concept of Geographical location and Climate relationships. 			
		5.	Changes in climate.	Page # 134	<ul style="list-style-type: none"> Explanation and Activity. Tell the students about changes in climate. Do activity on book page : 134 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



6/15 21/30
Daily Break-Up
 This is our new teaching week.

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods
5 periods p/w	150 p/a		II	Oct-Nov	15 weeks	16 to 30		75 periods
MONTH	WEEK	PN	Unit # 8, Weather and climate.					
	Week 21	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Exercise		Page # 135- 136		<ul style="list-style-type: none"> Complete the Ex: A on books. Discuss some Constructed Response Questions in the classroom. 	
		2.	Exercise		Page# 136		<ul style="list-style-type: none"> Solve Q # 1 and Q # 2 on notebooks. 	
		3.	Exercise		Page # 136		<ul style="list-style-type: none"> Allow all the students to Label the flowing picture according to climate zones 	
		4.	Exercise		Page # 137		<ul style="list-style-type: none"> Investigate: To give Explanation and understanding of given questions. 	
		5.	Project		Page # 137		<ul style="list-style-type: none"> Do Project in the classroom. 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



7/15 22/30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				1 to 15		75 periods		
		I Apr-Oct 15 weeks		16 to 30		75 periods				
		II Oct-Nov 15 weeks								
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.							
	Week 22	[150]	1. TOPIC/CONTENT & PAGE NUMBER				WORKBOOK / ACTIVITY CONTENTS			
		1.	Stars and Planets.	Page # 139	<ul style="list-style-type: none"> To explain about the concept of Stars and Planets. Introduce students to the basic difference between Stars and Planets. 					
		2.	Solar system.	Page# 139-140	<ul style="list-style-type: none"> Tell the students detail about the Sun. 					
		3.	The Planets.	Page # 140	<ul style="list-style-type: none"> Explain the Planets one by one to the students along with their diameter and distance from the Sun. 					
		4.	Activity	Page # 142	<ul style="list-style-type: none"> Activity: Complete the activity given on book in the classroom. 					
		5.	Earth and Moon	Page # 143	<ul style="list-style-type: none"> Explain the concept of Earth and movement of the Moon. 					

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



8/15 22/30

Daily Break-Up

This is our new teaching week.

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct 15 weeks	1 to 15	75 periods
				II Oct-Nov 15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.		WORKBOOK / ACTIVITY CONTENTS	
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			
		1.	Phases of the Moon.	Page # 144	<ul style="list-style-type: none"> Explain to the students about the different phases of the moon and ask them to observe the phases of the moon. 	
		2.	Comparison of the sizes of Earth, Sun and Moon.	Page # 145	<ul style="list-style-type: none"> Elaborate the comparison of the sizes and shapes of Earth, Sun and Moon. 	
		3.	Relation of changing shadows.	Page # 146	<ul style="list-style-type: none"> Explain to students how night and day occur. Give different activities related to the causes of lunar eclipse and solar eclipses. 	
		4.	Revolution of Earth.	Page # 147-148	<ul style="list-style-type: none"> Reading, Explanation and Activity. To give detail about the revolution of earth. The role of the tilt of the axis of earth can be well understood by the following activity. 	
		5.	Earth in the Solar System	Page # 149	<ul style="list-style-type: none"> To give explanation about four seasons. 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



9/15 24/30

Daily Break-Up

This is our new teaching week.

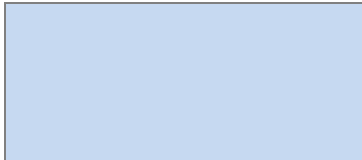
Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION			1 to 15		75 periods
		I	Apr-Oct	15 weeks	16 to 30		75 periods
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.				
	Week 24	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS		
		1.	Eclipse	Page # 149	<ul style="list-style-type: none"> Clear the concept of Eclipse. Write the short questions Q # 1, 2, 3. 		
		2.	Differences between Solar and Lunar Eclipse.	Page# 150	<ul style="list-style-type: none"> Clear the concept of difference between Solar Eclipse and Lunar Eclipse along with figures. 		
		3.	Activity	Page # 151	<ul style="list-style-type: none"> Activity: Complete the activity given on book in the classroom. 		
		4.	key points	Page #151	<ul style="list-style-type: none"> Discuss some key points with the students in the classroom. 		
		5.	Exercise	Page # 152	<ul style="list-style-type: none"> Write the short questions Q # 4 and Q# 5. 		



10/15 25/30

Daily Break-Up

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				1 to 15		75 periods		
		I		Apr-Oct		15 weeks		16 to 30		
		II		Oct-Nov		15 weeks		75periods		
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.							
	Week 25	[150]	TOPIC/CONTENT & PAGE NUMBER				WORKBOOK / ACTIVITY CONTENTS			
		1.	Exercise		Page # 152		<ul style="list-style-type: none"> Complete the Exercise A as given. 			
		2.	Exercise		Page# 153		<ul style="list-style-type: none"> Complete the Exercise C as given. 			
		3.	Exercise		Page # 153		<ul style="list-style-type: none"> Discuss some Constructed Response Questions in the classroom. 			
		4.	Exercise		Page #153		<ul style="list-style-type: none"> Write the Long question Q # 1 and Q 2 			
		5.	Exercise		Page #153		<ul style="list-style-type: none"> Compare the sizes of the Earth, the Sun, and the Moon 			

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



11/15 26/30

Daily Break-Up

This is our new teaching week.

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				
		I	Apr-Oct	15 weeks	1 to 15	75 periods
		II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 10, Technology in everyday life.			
	Week 26	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		1.	Plate fish.	Page # 155	<ul style="list-style-type: none"> Explain to the students all the activities (Plate fish). 	
		2.	Activity.	Page # 155-156	<ul style="list-style-type: none"> To encourage the students to make Plate fish by themselves. 	
		3.	Paper bag.	Page # 156	<ul style="list-style-type: none"> Explain to the students all the activities (Paper bag). 	
		4.	Activity.	Page # 156-157	<ul style="list-style-type: none"> To motivate the students to make Paper bag by themselves 	
		5.	Envelope.	Page # 157	<ul style="list-style-type: none"> Explain to the students all the activities (Envelope). 	

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



12/15 27/30

Daily Break-Up

This is our new teaching week.



Science		Class-4 40 min		TERM INFORMATION			I Apr-Oct 15 weeks		1 to 15		75 periods	
5 periods p/w 150 p/a				II Oct-Nov 15weeks			16 to 30				75 periods	
MONTH	WEEK	PN	Unit # 10, Technology in everyday life.									
	Week 27	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS				
		1.	Activity.			Page # 157		<ul style="list-style-type: none"> To encourage the students to make Envelope by themselves. 				
		2.	Greeting cards.			Page # 157		<ul style="list-style-type: none"> To explain and allow the students to make greeting cards in different styles. 				
		3.	Elephant Face Mask.			Page # 158		<ul style="list-style-type: none"> Explain to the students all the activity (Elephant Face Mask). 				
		4.	Activity.			Page # 158		<ul style="list-style-type: none"> To motivate the students to make Elephant face mask by themselves. 				
		5.	Clay.			Page # 158-159		<ul style="list-style-type: none"> Explanation about the basics of Clay. 				

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



13/15 28/30

Daily Break-Up5

This is our new teaching week.



Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	15weeks	1 to 15	75 periods
				II	Oct-Nov	15 weeks	16 to 30	75 periods
MONTH	WEEK	PN	Unit # 10, Technology in everyday life.					
	Week 28	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Activity.			Page # 159		<ul style="list-style-type: none"> Reinforcement of the previous work. To bring Clay and make different shapes and designs.
		2.	Greeting cards.			Page # 159		<ul style="list-style-type: none"> To explain and allow the students to make greeting cards in different styles.
		3.	Technology in everyday life.			Page # 160		<ul style="list-style-type: none"> To elaborate the different Technical activities to the students.
		4.	First Aid Box.			Page # 161		<ul style="list-style-type: none"> Tell the students about First Aid Box. Write the caption for each item in the box.
		5.	Thermometer.			Page # 161-162		<ul style="list-style-type: none"> To elaborate the “Thermometer” to the students.

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



14/15 29/30

Daily Break-Up

This is our new teaching week.



Science		Class-4 40 min		TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75 periods	
5 periods p/w 150 p/a						II	Oct-Nov	15 weeks	16 to 15	75 periods	
MONTH	WEEK	PN	Unit # 10, Technology in everyday life.								
	Week 29	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS			
		1.	Use of Blood Pressure.	Page # 162- 163		<ul style="list-style-type: none"> To explain about the checking and use of Blood pressure to the students. 					
		2.	To make Paper house.	Page # 164		<ul style="list-style-type: none"> To motivate the students to make paper house by themselves. 					
		3.	Make a butterfly.	Page # 164		<ul style="list-style-type: none"> To encourage the students to make a Butterfly by clay. 					
		4.	Exercise	Page # 165		<ul style="list-style-type: none"> Complete all short questions and Fill in the blanks in the classroom. 					
		5.	Project	Page # 166		<ul style="list-style-type: none"> To explain about how to make your own Toy Stethoscope. 					

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.



15/15 30/30

Daily Break-Up

This is our new teaching week.



Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	15 weeks	1 to 15	75periods
5 periods p/w 150 p/a				II	Oct-Nov	15 weeks	16 to 15	75 periods
MONTH	WEEK	PN	REVISION Unit # 06 till 10					
	Week 30	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Revision			<ul style="list-style-type: none"> Revision of unit # 6 		
		2.	Revision			<ul style="list-style-type: none"> Revision of unit # 7 		
		3.	Revision			<ul style="list-style-type: none"> Revision of unit # 8 		
		4.	Revision			<ul style="list-style-type: none"> Revision of unit # 9 		
		5.	Revision			<ul style="list-style-type: none"> Revision of unit # 10 		

Note: This breakup is provided for your daily planning. Daily lesson planning is the responsibility of the concerned teacher.