

Class Four

SYLLABUS BREAKUP

FOR THE SCHOOL YEAR

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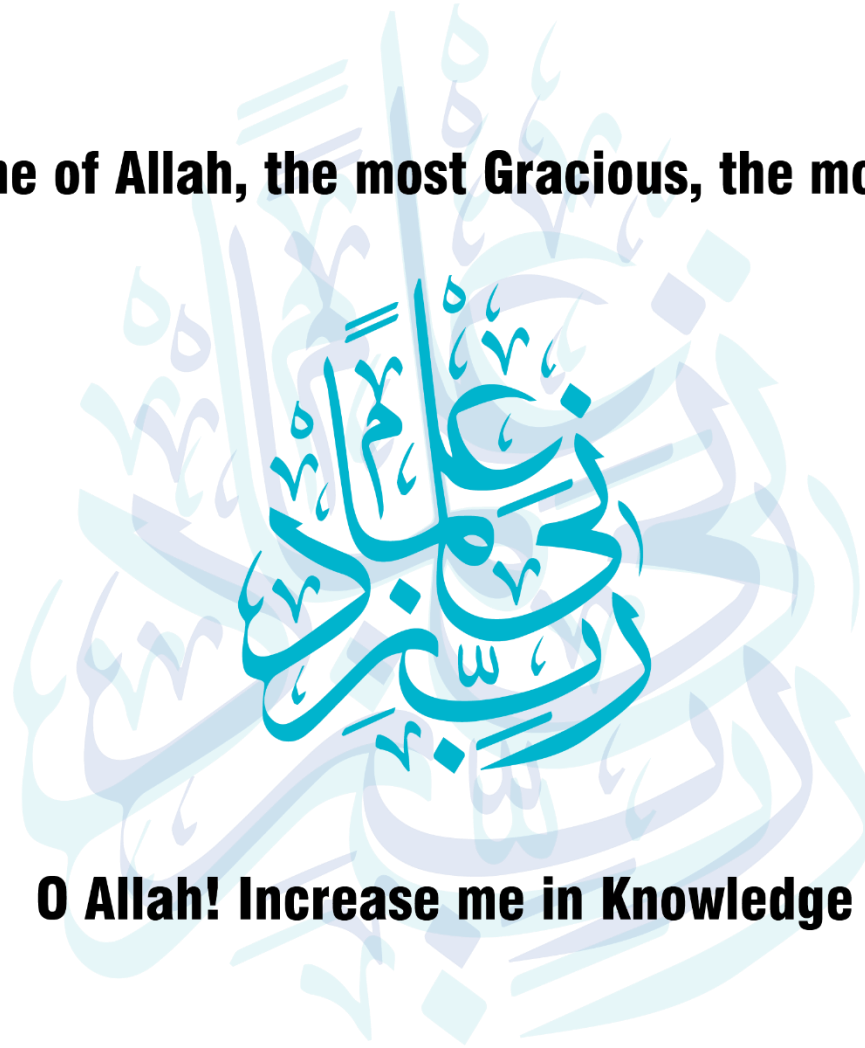
SMS: Subject Outline –Science 4

Syllabus Breakup for Grade 4 | ACD [2.1D] [DR]-5214

AFS-SMS-ACD-WI-5-1(1/5)

a country-wide
school network

In the Name of Allah, the most Gracious, the most Merciful



O Allah! Increase me in Knowledge

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SYLLABUS INFORMATION

Textbook	Science 4
Publisher	The Publishers
Approved by	Curriculum & Text Book Board
Developed by	AFSS Academia



PERIOD ALLOCATION TABLE

PUNJAB, KPK AND BALUCHISTAN REGIONS

SUBJECT	PERIODS PER WEEK	PERIODS PER ANNUM	DURATION
English I to VIII	5	150	40 min
Mathematics I to VIII			
Urdu I to VIII			
Science IV to VIII واقفیت عامہ (1 till 3)	4	120	
Social Studies IV to VIII			
Computers I to VIII	3	90	
Islamite I to VIII			
Art & Activity I to VIII			

SINDH REGION

SUBJECT	PERIODS PER WEEK	PERIODS PER ANNUM	DURATION
English I to VIII	5	150	40 min
Mathematics I to VIII			
Urdu I to VIII			
Science IV to VIII واقفیت عامہ (1 till 3)	4	120	
Social Studies IV to VIII			
Computers I to VIII	3	90	
Islamite I to VIII			
Sindhi + Art & Activity I to VIII			

**FIRST TERM | UNITS OR CHAPTERS DISTRIBUTION WITHIN 13 STUDY WEEKS OF THIS TERM.**

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



SECOND TERM / Final Term | UNITS OR CHAPTER DISTRIBUTION WITHIN 17 WEEKS OF THIS TERM.

Study Week [1/17 14/30] Unit: 6, Forces and motion. Pg # 102-108	Study Week [2/17 15/30] Unit: 6, Forces and motion. Pg # 109-112	Study Week [3/17 16/30] Unit: 5, Forms of energy and energy transfer. Unit: 6, Forces and motion. Pg #98-112	Study Week [4/17 17/30] Unit: 7, Earth and its Resources. Pg # 113-119, 125
Study Week [5/17 18/30] Unit: 7, Earth and its Resources. Pg # 120 -125	Study Week [6/17 19/30] Unit: 7, Earth and its Resources. Unit # 8, Weather and climate. Pg # 125-129	Study Week [7/17 20/30] Unit # 8, Weather and climate. Pg # 130-134	Study Week [8/17 21/30] Unit # 8, Weather and climate. Pg # 135-137
Study Week [9/17 22/30] Unit # 9, Earth in the Solar System. Pg # 139-143	Study Week [10/17 23/30] Unit # 9, Earth in the Solar System. Pg # 144-149	Study Week [11/17 24/30] Unit # 9, Earth in the Solar System. Pg # 149-152	Study Week [12/17 25/30] Unit # 9, Earth in the Solar System. Pg # 152-153
Study Week [13/17 26/30] Unit # 10, Technology in everyday life. Pg # 155-157	Study Week [14/17 27/30] Unit # 10, Technology in everyday life. Pg # 157-159	Study Week [15/17 28/30] Unit # 10, Technology in everyday life. Pg # 159-162	Study Week [16/17 29/30] Unit # 10, Technology in everyday life. Pg # 162-166
Study Week [17/17 30/30] REVISION Unit # 06 tuill 10			



1 /13 1 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Nov-Mar	17 weeks	14 to 30	85 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. Give activity for



ome work.

2 /13 2 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5224

Science Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	65 periods
5 periods p/w 150 p/a				II	Nov-Mar	17 weeks	85 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	Solve exercise long Q #02 <ul style="list-style-type: none"> 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 /13 3 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science	Class-4 40 min	TERM INFORMATION				I Apr-Oct 13 weeks 1 to 13 65 periods
5 periods p/w	150 p/a					II Nov-Mar 17 weeks 14 to 30 85 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	<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 	

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4 /13 4 /30
Daily Break-Up

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SUBJECT CODE
5224

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w	150 p/a			II	Nov-Mar	17 weeks	14 to 30	85 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	<p>Class discussion, reading, activity and writing.</p> <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	<p>Class discussion, reading, activity and writing.</p> <ul style="list-style-type: none"> ▪Introduce the concept of Ecosystem and some types of ecosystem. • Short Q # 01, Page # 48 		

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5 /13 5 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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.		

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6 /13 6 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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. 		

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7 /13 7 /30

Daily Break-Up

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SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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 Page#52-53 Ways by which micro-organisms enter the human body.		•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.			

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8 /13 8 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I Apr-Oct 13 weeks	1 to 13	65 periods
				II Oct-Nov 17 weeks	14 to 30	85 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. 	

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9 /13 9 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit # 03, Human Health		Unit # 04 Matter and its Characteristics			
	Week 9	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		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. 			

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10/13 10/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science Class-4 40 min 5 periods p/w 150 p/a			TERM INFORMATION	I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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.



11/13 11/30
Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5224

Science		Class-4 40 min		TERM INFORMATION		I Apr-Oct 13 weeks		1 to 13		65 periods	
5 periods p/w 150 p/a						II Oct-Nov 17 weeks		14 to 30		85 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		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		Page# 90-91		• Constructed Response questions.				
			Rainbow, Light travel in a straight light				• Project Work				

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



12/13 12/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5224

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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				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				• 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.

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13/13 13/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w	150 p/a			II	Oct-Nov	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit # 05, Forms of energy and Energy Transfer					
	Week 13	[150]	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	• Constructed Response questions. • Project Work			
		63.	Forms of energy and Energy Transfer		•Test of whole chapter.			
			Page# 84-99					
		64.	Unit #01 till Unit # 05		Page# 06-99	•Test of whole chapter.		

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2nd Term:

1/17 14/30
Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5224

Science		Class-4 40 min		TERM INFORMATION		I Apr-Oct 13 weeks		1 to 13		65 periods		
5 periods p/w 150 p/a				II Oct-Nov 17 weeks				14 to 30		85 periods		
MONTH	WEEK	PN	Unit: 6, Forces and motion.									
	Week 14	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS				
		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. 				

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2/17 15/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
				II	Oct-Nov	17 weeks	14 to 30	85 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. 			

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3/17 16/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min		TERM INFORMATION		I Apr-Oct 13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a				II Oct-Nov 17 weeks	14 to 30	85 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	Page # 98	<ul style="list-style-type: none"> Take Assessment of all short questions. 	
			2. Forms of energy and energy transfer	Page # 99	<ul style="list-style-type: none"> Take test of Q # 1 till Q# 3 Long questions 	
			3. Forms of energy and energy transfer	Page # 98-99	<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. 	

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4/17 17/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION				I	Apr-Oct	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 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.



5/17 18/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION					I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a							II	Oct-Nov	17 weeks	14 to 30	85 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. • Introduce the concept of difference between Renewable Resource and Non – Renewable Resources. • Clear the concept of different kinds of energy resources are used in our life. • Tell the students about Fossils. • Explain the impact of human activity on Earth. • Give detail about deforestation. • Solve the short Q# 2, 3, 4. 						
		2.	Non – Renewable Resources.	Page # 121							
		3.	Energy Resources.	Page # 121							
		4.	Impact of human activity on natural resources Page# 122-123								
		5.	Exercise	Page # 125							

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



6/17 19/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION				I	Apr-Oct	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 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. 						

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7/17 20/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a		II			Oct-Nov	17 weeks	14 to 30	85 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.



8/17 21/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION				
5 periods p/w 150 p/a		I	Apr-Oct	13 weeks	1 to 13	65 periods
		II	Oct-Nov	17 weeks	14 to 30	85 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.



9/17 22/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a				II	Oct-Nov	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.					
	Week 22	[150]	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.



10/17 22/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science	Class-4 40 min	TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a				II	Oct-Nov	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit # 9, Earth in the Solar System.					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		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.

11/17 24/30

SUBJECT CODE



Daily Break-Up

This is our new teaching week.

5225

Science		Class-4 40 min		TERM INFORMATION		I Apr-Oct 13 weeks		1 to 13		65 periods		
5 periods p/w 150 p/a				II Oct-Nov 17 weeks				14 to 30		85 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. 					

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



12/17 25/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min		TERM INFORMATION				I	Apr-Oct	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 periods	
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.



13/17 26/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science		Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 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.



14/17 27/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a				II	Oct-Nov	17 weeks	14 to 30	85 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. 			

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15/17 28/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-4 40 min		TERM INFORMATION				65 periods
5 periods p/w 150 p/a		I	Apr-Oct	13 weeks	1 to 13	
		II	Oct-Nov	17 weeks	14 to 30	85 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. 	

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16/17 29/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science		Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 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. 					

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17/17 30/30

SUBJECT CODE

5225

Daily Break-Up

This is our new teaching week.

Science		Class-4 40 min		TERM INFORMATION		I	Apr-Oct	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Nov	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	REVISION Unit # 06 tuill 10								
	Week 30	[150]	TOPIC/CONTENT & PAGE NUMBER					WORKBOOK / ACTIVITY CONTENTS			
		1.	Revision					• Revision of unit # 6			
		2.	Revision					• Revision of unit # 7			
		3.	Revision					• Revision of unit # 8			
		4.	Revision					• Revision of unit # 9			
		5.	Revision					• Revision of unit # 10			

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