



AIR FOUNDATION SCHOOL SYSTEM®

SMS: Subject Outline – Science 5

Syllabus Breakup for Grade 5 |ACD [2.1D][DR]-5215

AFS-SMS-ACD-WI-5-2(1/5)

a country-wide
school network



SYLLABUS BREAKUP

Class Five

FOR THE SCHOOL YEAR

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AIR FOUNDATION SCHOOL SYSTEM™



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school network

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

اللَّهُمَّ زِدْنِي عِلْمًا

O Allah! Increase me in Knowledge

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SYLLABUS INFORMATION

Textbook	Science 5
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)			
Social Studies IV to VIII	4	120	
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)			
Social Studies IV to VIII	4	120	
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 of living things page # 5-14	Study Week 2 [2/13 2/30] Unit #01 Characteristics of living things page # 15-21	Study Week 3 [3/13 3/30] Unit #01 & 02 Page # 17-28	Study Week 4[4/13 4/30] Unit # 02 page # 28-33
Study Week 5 [5/13 5/30] Unit #02 & 03 page # 33-38	Study Week 6[6/13 6/30] Unit # 03 page # 39-44	Study Week 7 [7/13 7/30] Unit # 03 & 04 page # 44-48	Study Week 8[8/13 8/30] Unit # 03 & 04 page # 35-53
Study Week 9[9/13 9/30] Unit # 04 page # 53-55	Study Week 8[8/13 8/30] Unit # 03 & 04 page # 35-53	Study Week 10(10/13 10/30) Unit # 04 & 05 page # 54-59	Study Week 11[11/13 11/30] Unit # 05 page # 60-65
Study Week 12(12/13 12/30) Unit # 05 & 06 page # 66-72, 81	Study Week (13/13 13/30) Unit # 05 & 06 page # 57-81		



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

Study Week [1/17 14/30] Unit: 5, Physical and chemical changes of Matter Pg # 57-61	Study Week [2/17 15/30] Unit: 5, Physical and chemical changes of Matter Pg # 61-66	Study Week [3/17 16/30] Unit: 5, Physical and chemical changes of Matter Pg # 59-69	Study Week [4/17 17/30] Unit: 5, Physical and chemical changes of Matter. Unit: 6, Light and Sound. Pg # 57-73
Study Week [5/17 18/30] Unit: 6, Light and Sound Pg # 73-77	Study Week [6/17 19/30] Unit: 6, Light and Sound it: Unit 7, Earth and its Resources. Unit # 8, Weather and climate. Pg # 71-81	Study Week [7/17 20/30] Unit: 6, Light and Sound , Unit 7 : Electricity and magnetism. Pg # 81-83	Study Week [8/17 21/30] Unit 7 : Electricity and magnetism Pg # 84-89
Study Week [9/17 22/30] Unit 7 : Electricity and magnetism Pg # 71-93	Study Week [10/17 23/30] Unit 7 : Electricity and magnetism Pg # 94-97	Study Week[11/17 24/30] Unit 7 : Electricity and magnetism, Unit:8 Structure of Earth Pg # 97-102	Study Week [12/17 25/30] Unit:8 Structure of Earth Pg # 102-107
Study Week [13/17 26/30] Unit:8 Structure of Earth, Unit 9: Space and satellites Pg # 107-115	Study Week [14/17 27/30] Unit 9: Space and satellites , Unit 10: Technology in everyday life Pg # 117-123	Study Week [15/17 28/30] Unit 10: Technology in everyday life Pg # 124-130	Study Week [16/17 29/30] Unit # 10, Technology in everyday life. Pg # 131-134
Study Week [17/17 30/30] REVISION Unit # 05 till 10			



1 /13 1 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 of living things					
	Week 1	[120]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Classification of organisms page #5-6			<ul style="list-style-type: none"> Reading and explanation of classification of organisms, importance of Classification, Basis of classification, The five kingdom system and classification. Also show some visual pictures or things that are living or non-living in nature. 		
		2.	The Five Kingdom system page #6-8			<p>Reading, writing and discussion on the topic.</p> <ul style="list-style-type: none"> Explain the Kingdom Monera, Kingdom Protista, Kingdom Fungi, Kingdom Plantae. 		
		3.	<ul style="list-style-type: none"> Classification and Characteristics of flowering plants. Difference between Monocot and Dicot Plants <p>Page # 09-10</p>			<p>Reading, writing and discussion on the topic.</p> <ul style="list-style-type: none"> Introduce the concept of classification of and Characteristics of flowering plants. Introduce the concept of difference between Monocot and Dicot Plants. 		
		4.	Classification and Characteristics of Animals. Page # 10-11			<p>Reading, writing, discussion and activity on the topic.</p> <ul style="list-style-type: none"> Introduce the Classification and Characteristics of Animals (Vertebrates, Reptiles, Birds and Mammals) 		
		5.	Classification and Characteristics of Animals. Page # 12-14			<ul style="list-style-type: none"> Reading, writing, discussion and activity on the topic. Introduce the Classification and Characteristics of Animals (Fishes, Amphibians, Insects , Mollusks, Echinoderms, Sponges and worms) 		



2 /13 2 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5225

Science Class-5 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 of living things					
	Week 2	[120]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		6.	Importance of Plants and Animals Page # 15-17			<ul style="list-style-type: none"> Class discussion, Reading, Activity and writing. Tell the importance of the plants and animals 		
		7.	Importance of Plants and Animals Page # 18-19			<ul style="list-style-type: none"> Measures for the conservation of Endangered Species. 		
		8.	Exercise	page# 20		<ul style="list-style-type: none"> Tick the correct answers. Write the short answers of given question 		
		9.	Exercise	page# 21		Write the answers of 1 till 3 long questions.		
		10.	Exercise	page# 21		<ul style="list-style-type: none"> Write the answers of 4 & 5 long questions. Constructed response Questions. 		

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
5225

Science Class-5 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 of living thingsUnit # 02 Micro-organism			
	Week 3	[120]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		11.	Characteristics of living things Page # 17-20		Take written test.	
		12.	Micro-organism page# 23-24		<ul style="list-style-type: none"> Read Micro-organism, Main groups of Micro-Organism, Virus, Bacteria, from the course book and discuss their shapes with the students. Home Work: Do Activity page# 24 	
		13.	Micro-organism page# 25-26		Class discussion, reading, activity and writing. <ul style="list-style-type: none"> Read Fungi, Protozoa, Algae from the course book and discuss their shapes with the students. 	
		14.	Advantages and Disadvantages of Micro-organism page# 26		Class discussion, reading, activity and writing. <ul style="list-style-type: none"> Tell the students Advantages and Disadvantages of Micro-organism. 	
		15.	Role of Micro-organism in Decomposition Page#27-28		Class discussion, reading, activity and writing. <ul style="list-style-type: none"> Explain useful and Harmful effects of Decomposition. 	

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4 /13 4 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science		Class-5 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 # 02 Micro-organism							
	Week 4	[120]	TOPIC/CONTENT & PAGE NUMBER				WORKBOOK / ACTIVITY CONTENTS			
		16.	Common diseases caused by Micro-organisms Page # 28-29				<ul style="list-style-type: none"> ▪ Read about Common diseases caused by Micro-organisms. ▪ Do activities. 			
		17.	Infection		Page#30 -31		<ul style="list-style-type: none"> ▪ Read about infection and ways to avoid infections. 			
		18.	Exercise Page#32-33							
		19.	Exercise		Page#33		<ul style="list-style-type: none"> ▪ Fill in the blanks. ▪ Write the answers of 1 & 2 long questions 			
		20.	Exercise		Page#33		<ul style="list-style-type: none"> ▪ Write the answers of 3 & 4 long questions. ▪ Constructed Response Questions. 			

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5 /13 5 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 Micro-organismUnit #03, Flowers and Seeds					
	Week 5	[120]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		21.	Micro-organismPage# 33			Test of long and short questions.		
		22.	Project Page#33			•Make project in the class room		
		23.	Flowers Page#35			Class discussion, reading, activity and writing. ▪Read Flowers and Structure of Flowers from the course book and students will draw and label the structure of flower.		
		24.	Pollination and its typesPage# 36			▪Introduce the concept of Pollination and its types and self and cross-pollination.		
		25.	Reproduction in PlantsPage#37-38			•Explain Sexual and Asexual Reproduction. •Explain difference between Sexual and Asexual Reproduction.		

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6 /13 6 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Flowers and Seeds					
	Week 6	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		26.	Structure of Seed Page#39-40			•Explain Structure and Functions of Seed. Do Activity: Demonstration of Seed Germination.		
		27.	Seed Germination and Conditions Necessary for Seed GerminationPage#40-41			•Explain Seed Germination and Conditions Necessary for Seed Germination. •Explain Structure of Chickpea Seed.		
		28.	Structure of SeedPage#42			••Explain Structure of Maize Seed and Comparison of Chickpea and Maize Seed.		
		29.	Exercise Page#43-44			•Solve MCQ”s and True and False. •Fill In the blanks.		
		30.	Exercise Page#44			•Write the short answers of the given questions.		

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7 /13 7 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Flowers and Seeds Unit # 04 Environmental Pollution					
	Week 7	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		31.	Exercise Page#44			•Write the short answers of the given questions.		
		32.	Exercise Page#44			Q No1: Elaborate the given terms. i) Pollination, ii) Self- Pollination iii) Cross Pollination.		
		33.	Exercise Page#44			Q No2: Write a short on Structure of flower. Q No3: How does Sexual reproduction in plants take place?		
		34.	Exercise Page#45			•Make a project.		
		35.	Environmental pollution and its types Page#47-48			•Explain “Environmental pollution and its types” (Water Pollution, Causes of water and its impacts, sewage water, Industrial waste , Agriculture water)		

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8 /13 8 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Flowers and SeedsUnit # 04 Environmental Pollution					
	Week 8	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		36.	Flowers and SeedsPage#35-45			•Test of whole chapter		
		37.	Air & Land Pollution , its causes and Impact Page#49			•Tell the students about air pollution, causes of air pollution and its impacts. Also tell the students Land pollution, causes of Land pollution and its impacts.		
		38.	Effects of pollution on life Page#50			•Tell the students about effects of pollution on life, and burning of fossil fuels.		
		39.	Effects of pollution on life Page#50-51			•Tell the students about Greenhouse effects and Biodegradable waste.		
		40.	Non-Biodegradable waste Page#52-53			•Tell the students about Non-Biodegradable waste and major effects of Non-Biodegradable waste on the Environment.		

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9 /13 9 /30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 Environmental Pollution					
	Week 9	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		41.	Non-Biodegradable waste		Page#53		•Explain the steps to avoid pollution of Non-Biodegradable Material and measures of reduce pollution.	
		42.	Activity		Page#53		Do Activity 2.	
		43.	Exercise		Page#54-55		• Solve MCQ's and first 2 short questions.	
		44.	Exercise		Page#55		• Write the answers of short Q 3, 4 and 5.	
		45.	Exercise		Page#55		• Project Let's prepare organic fertilizer.	

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10/13 10/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 Unit #05 Physical and Chemical Changes of Matter.					
	Week 10	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		46.	Exercise Page#54-55			Test of MCQ"s and Short Questions / Answers		
		47.	Exercise Page#55			Write down the Answers the long questions.		
		48.	Matter Page#57			Class discussion, reading, activity and writing. •Tell the students about the matter and arrangements of particles in Matter.		
		49.	Changes in Material Things Page#58			•Tell the students about changes in the material things. •Do activity 1. .		
		50.	Process Involved in Changes in State of Matter Page#58-59			Explain the "Process Involved in Changes in State of Matter(Freezing , Melting , Boiling) Do Activity 2 at home.		

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
5225

Science Class-5 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, Physical and Chemical Changes of Matter.			
	Week 11	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		51.	Process Involved in Changes in State of Matter Page#60-61		Explain the “Process Involved in Changes in State of Matter(Evaporation and Condensation) Do Activity 3at home	
		52.	Solution and its components Page#61-62		Class discussion, reading, activity and writing. •Explain the solution and its components. •Explain “how can the process of Dissolution be Accelerated?” •Do Activity 4.	
		53.	Increasing Temperature	Page#62-63	•Reading and explanation. •Do Activity 5 & 6.	
		54.	Activities	Page# 63-64	•Do activity 7 & 9. • Activity 10 for Home work.	
		55.	Chemical changes in everyday lifeand Matter Page# 64-65		•Reading and explanation of Chemical changes in everyday life and Matter. Do activity 11 at home.	

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12/13 12/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5225

Science Class-5 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, Physical and Chemical Changes of Matter. Unit# 06, Light and Sound					
	Week 12	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		56.	Burning, Decaying and difference between physical and chemical changes Page#66-68			Class discussion, reading, activity and writing. Homework: Solve MCQ's for		
		57.	Exercise Page#68-69			•Write the answers of short questions. Home work: Constructed response questions , Project		
		58.	Exercise Page#69			•Write the answers of long questions.		
		59.	Light and Sources and sources of Light Page# 71-72, 81			• Class discussion, reading, explanation, and writing. Write the answer of short Q#02		
		60.	Activity 2 Page# 72			•Do Activity 1 & 2		

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13/13 13/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Physical and Chemical Changes of Matter. Unit# 06, Light and Sound					
	Week 13	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		61.	Physical and Chemical Changes of Matter Page# 57-69			•take test of whole unit.		
		62.	Luminous and Non- luminous objects Transparent , opaque and Translucent objects Reflection of light Exercise Page# 73-74 Page#81			• Class discussion, reading, explanation, and writing. Write the answer of short Q#03.		
		63.	What happens to light when it is reflected Shadow formation, Location , Size and Shape of the Shadow Page# 74-75			• Class discussion, reading, explanation, and writing.		
		64.	Exercise Page#81			•Long Q# 1, 2		
		65.	Unit #01 till Unit # 06Page# 05-81			•Test of whole chapters.		

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1/17 14/30
Daily Break-Up
This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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: 5, Physical and chemical changes of Matter.					
	Week 14	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Matter	Page # 57		<ul style="list-style-type: none"> Class discussion, Reading and Writing. Tell the students about the Matter and arrangements of particles in Matter. 		
		2.	Changes in material things	Page # 58		<ul style="list-style-type: none"> Reading and Activity. Tell the students about changes in the material things. Do activity 1. 		
		3.	Process involved in changes in state of matter.	Page # 58-59		<ul style="list-style-type: none"> Explain the process involved in changes in state of matter (Freezing, Melting, and Boiling). Do activity 2 at home. 		
		4.	Process involved in changes in state of matter.	Page #60-61		<ul style="list-style-type: none"> Explain the process involved in changes in state of matter (Freezing , Melting, Boiling) 		
		5.	Solution and its components	Page # 61		<ul style="list-style-type: none"> Explain the solution and its components. Tell the student about the difference between solvent and solute. 		

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2/17 15/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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: 5, Physical and chemical changes of Matter.					
	Week 15	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Solution and its components	Page# 61 – 62	<ul style="list-style-type: none"> Explain” how can the process of dissolution be accelerated?” Do activity 4. 			
		2.	Increasing temperature	Page# 62 – 63	<ul style="list-style-type: none"> Reading, Explanation and Activity. Do activity 5,6 			
		3.	Activities	Page# 63 – 64	<ul style="list-style-type: none"> Explanation and activity Do activity 7 and 9 Activity 10 for homework. 			
		4.	Chemical changes in everyday life and matter	Page# 64-65	<ul style="list-style-type: none"> Reading and explanation of chemical changes in everyday life and matter. Do activity 10 at home. 			
		5.	Burning and decaying	Page# 66	<ul style="list-style-type: none"> Class discussion, reading and activity of burning and decaying in the classroom. 			

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3/17 16/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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: 5, Physical and chemical changes of Matter.			
	Week 16	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		1.	Physical and chemical changes of matter Page#59-66		<ul style="list-style-type: none"> Assessment of the previous work from page # 59-66 	
		2.	Difference between physical and chemical changes Page#67		<ul style="list-style-type: none"> To explain the concept of difference between physical and chemical changes. Homework: solve MCQs. 	
		3.	Key points	Page# 67	<ul style="list-style-type: none"> Learn and discuss the key points. 	
		4.	Exercise	Page# 68	<ul style="list-style-type: none"> Write the answers of short questions. Homework: write answer the constructed response questions. 	
		5.	Exercise	Page# 69	<ul style="list-style-type: none"> Write the answer of long answer. 	

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4/17 17/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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: 5, Physical and chemical changes of Matter.		Unit: 6, Light and Sound	
	Week 17	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS	
		1.	Physical and chemical changes of matter Page#57-69		<ul style="list-style-type: none"> Take test of whole unit 	
		2.	Project Page#69		<ul style="list-style-type: none"> Complete the project in the classroom 	
		3.	Light and sources and sources of light Page#71-72		<ul style="list-style-type: none"> Class discussion, reading, explanation. 	
		4.	Activities Page#72		<ul style="list-style-type: none"> Do activity 1 and 2 	
		5.	Luminous and non-luminous objects, transparent, opaque and translucent objects. Page#73		<ul style="list-style-type: none"> Class discussion, reading, explanation. 	

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5/17 18/30
Daily Break-Up
This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Light and Sound					
	Week 18	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Reflection of light	Page#73-74	<ul style="list-style-type: none"> To give explanation about reflection of light. To explain “what happens when light reflected” 			
		2.	Shadow formation, location, size and shape of shadow.	Page#74-75	<ul style="list-style-type: none"> Class discussion, reading and writing. Write the Q1 and Q2 Short questions 			
		3.	Production of sound	Page# 75-76	<ul style="list-style-type: none"> To give details about the sound and production of sound. 			
		4.	Sound travel	Page# 76-77	<ul style="list-style-type: none"> Class discussion and explanation about how does sound travel. 			
		5.	Intensity of sound	Page#77	<ul style="list-style-type: none"> To explain the concept of intensity of sound. 			

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-5 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, Light and Sound					
	Week 19	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Light and sound		Page#71-77	<ul style="list-style-type: none"> Take assessment of the previous work from Page71-77 		
		2.	Noise and Music		Page# 78	<ul style="list-style-type: none"> Class discussion and reading to explain about noise, music and their effects of noise on human health. 		
		3.	Measures to reduce Noise Pollution		Page #79	<ul style="list-style-type: none"> Class discussion and explanation about how to reduce noise pollution. 		
		4.	Key Points		Page#80	<ul style="list-style-type: none"> Learn and discuss the key points. 		
		5.	Exercise		Page#81	<ul style="list-style-type: none"> Write the short questions Q3 til Q5 		

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7/17 20/30
Daily Break-Up
 This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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, Light and Sound , Unit 7 : Electricity and magnetism					
	Week 20	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Light and sound	Page# 81	<ul style="list-style-type: none"> • Test of all short questions of unit 6 			
		2.	Exercise	Page# 81	<ul style="list-style-type: none"> • Write the long questions Q1 till Q3 			
		3.	Exercise	Page # 81	<ul style="list-style-type: none"> • Write theQ4 and Q5. 			
		4.	Activity	Page # 81	<ul style="list-style-type: none"> • Explain the activity to the students • Homework: Do MCQs 			
		5.	Electricity	Page # 83	<ul style="list-style-type: none"> • Reading and activity • Tell the students about electricity. • Homework: Do activity :1 			

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-5 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 7 : Electricity and magnetism					
	Week 21	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Static electricity		Page:84-85	<ul style="list-style-type: none"> • Reading and activity • Explain the concept of static electricity • Do activity 2 in the classroom. 		
		2.	Electric current		Page : 85-86	<ul style="list-style-type: none"> • Reading and activity • Explain the concept of electric current • Do activity 3 in the classroom. 		
		3.	Electric circuit and its components		Page# 86	<ul style="list-style-type: none"> • To give detail about the electric circuit and its components. 		
		4.	Conductors and its insulators		Page : 87	<ul style="list-style-type: none"> • To elaborate the concept of conductors and insulators. • Do activity 4 in the classroom. 		
		5.	Uses of conductors and insulators in daily life		Page : 88-89	<ul style="list-style-type: none"> • To give explanation about the uses of conductors and insulators in our daily life. 		

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-5 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 7 : Electricity and magnetism				
	Week 22	[150]	TOPIC/CONTENT & PAGE NUMBER		WORKBOOK / ACTIVITY CONTENTS		
		1.	Light and sound	Page: 71-87	<ul style="list-style-type: none"> Take test of whole unit:6 		
		2.	Magnetic and non-magnetic material	Page : 90-91	<ul style="list-style-type: none"> To give explanation about magnetic and non-magnetic materials Do activity 5 in the classroom. 		
		3.	Properties of a magnet	Page : 91-92	<ul style="list-style-type: none"> To elaborate the properties of a magnet to the students through activities. Do activity 6 and 7 in the classroom. 		
		4.	Earth as a huge magnet	Page : 92-93	<ul style="list-style-type: none"> Explain to the students that our earth is a big magnet and the earth attracts everything towards it. Do activity 8 in the classroom. 		
		5.	Magnetic compass	Page : 93	<ul style="list-style-type: none"> Class discussion and activity Tell the student about magnetic compass. Do activity 9 in the classroom. 		

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



10/17 23/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE

5225

Science Class-5 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 7 : Electricity and magnetism					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Working of magnetic compass	Page: 94	<ul style="list-style-type: none"> Tell the students about the working of magnetic compass (Permanent magnet) 			
		2.	Temporary and electromagnets	Page:95	<ul style="list-style-type: none"> Explain about the Temporary and electromagnets Do activity 10 in the classroom. 			
		3.	Key point	Page : 96	<ul style="list-style-type: none"> Learn and discuss the key points Homework: Do MCQs. 			
		4.	Exercise	Page: 97	<ul style="list-style-type: none"> Write Q1 till Q3 short questions. 			
		5.	Exercise	Page: 97	<ul style="list-style-type: none"> Write Q4 and Q5 short questions. Complete the fill in the blanks. 			

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11/17 24/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 7 : Electricity and magnetism, Unit:8 Structure of Earth					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Electricity and magnetism	Page:97	<ul style="list-style-type: none"> Take test of all short questions/answers 			
		2.	Exercise	Page:97	<ul style="list-style-type: none"> Write the long answers. 			
		3.	Project	Page: 98	<ul style="list-style-type: none"> Do Project in the classroom Homework: Write answer of constructed response questions. 			
		4.	Structure of the earth	Page: 100	<ul style="list-style-type: none"> Tell the students about the structure of the earth. Homework : Do activity no 1 			
		5.	Water cycle	Page: 101-102	<ul style="list-style-type: none"> To explain the importance of water cycle Do activity no 2 in the classroom. 			

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-5 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:8 Structure of Earth					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Soil and their formation	Page: 102-103	<ul style="list-style-type: none"> Class discussion and reading To explain about the soil and formation and components Homework: Do activity no 3 in the classroom. 			
		2.	Characteristics of soil	Page 103-104	<ul style="list-style-type: none"> Class discussion, reading and activity To elaborate the different characteristics of soil. Do activity no 4 in the classroom. 			
		3.	Types of soil	Page: 104-105	<ul style="list-style-type: none"> Tell the students about different types of soil. Homework: Do activity no 5 in the classroom. 			
		4.	Exercise	Page: 107	<ul style="list-style-type: none"> Write Q1 till Q5 short questions. 			
		5.	Exercise	Page: 107	<ul style="list-style-type: none"> Complete MCQs Do activity given on book. 			

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-5 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:8 Structure of Earth, Unit 9: Space and satellites					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Exercise	Page: 107		<ul style="list-style-type: none"> Write down the answer to the long questions. Homework : Do Project 		
		2.	Space	Page: 109		<ul style="list-style-type: none"> Class discussion and reading. Tell the students about "Space". 		
		3.	Space exploration	Page: 109-110		<ul style="list-style-type: none"> Class discussion, reading and activity To elaborate the space exploration. Do activity no 1 in the classroom. 		
		4.	Satellites	Page: 111-112		<ul style="list-style-type: none"> Tell the students about the satellites and their types. 		
		5.	Importance of satellites	Page: 113-115		<ul style="list-style-type: none"> To give explanation about Importance of satellites. Homework: Do Activity no 2 in the classroom. 		

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14/17 27/30
Daily Break-Up
This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 9: Space and satellites , Unit 10: Technology in everyday life					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Importance of artificial satellites	Page:117-118		<ul style="list-style-type: none"> Class discussion and reading. To give explanation about the importance of artificial satellites. 		
		2.	Exercise	Page: 120		<ul style="list-style-type: none"> Write Q1 till Q5 short questions. 		
		3.	Exercise	Page: 119-120		<ul style="list-style-type: none"> Write answer the constructed response questions. Homework: Do MCQs. 		
		4.	Exercise	Page: 120		<ul style="list-style-type: none"> Write the answer to the long questions. 		
		5.	Safety measures and principles while working in a laboratory.	Page: 122-123		<ul style="list-style-type: none"> Class discussion, reading and activity Tell the students about safety measure. To motivate the students to make bookshelf. 		

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15/17 28/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 10: Technology in everyday life					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Spirit level	Page: 124-125		<ul style="list-style-type: none"> To explain about the Spirit level and its uses. Homework: Do activity no 2 in the classroom 		
		2.	Plumb line	Page: 125-126		<ul style="list-style-type: none"> Explain to the students the uses of plumb line in their daily life. Do activity no 3 in the classroom 		
		3.	LED light string	Page: 126-127		<ul style="list-style-type: none"> Reading and activity to elaborate the uses of LED light string. Do activity no 4 in the classroom. 		
		4.	Making a musical instruments	Page: 127-128		<ul style="list-style-type: none"> To explain and encourage the students to make a musical instruments (Guitar). 		
		5.	Using First Aid box	Page: 129-130		<ul style="list-style-type: none"> Provide First Aid information to students and make students aware of the importance of First Aid by conducting various activities. 		

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16/17 29/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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 10: Technology in everyday life					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Shifting a person to hospital	Page: 131	<ul style="list-style-type: none"> To explain the different steps of shifting a person to a Hospital. Homework: Do Activity no 5 in the classroom. 			
		2.	Fire Drill	Page: 132	<ul style="list-style-type: none"> To elaborate the fire drill through different activities. 			
		3.	Earth quake/Flood Drill	Page: 133	<ul style="list-style-type: none"> To elaborate the different steps of earthquake/ Flood drill through different activities. 			
		4.	Exercise	Page: 134	<ul style="list-style-type: none"> Write the short answers Q1 till Q5. 			
		5.	Exercise	Page: 134	<ul style="list-style-type: none"> Write the answers to the long questions . Homework: Do MCQs. 			

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17/17 30/30

Daily Break-Up

This is our new teaching week.

SUBJECT CODE
5225

Science Class-5 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	Revision : Unit # 5 till 10					
	Week 23	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK / ACTIVITY CONTENTS		
		1.	Revision			<ul style="list-style-type: none"> Revision of Unit : 5 		
		2.	Revision			<ul style="list-style-type: none"> Revision of Unit : 6 		
		3.	Revision			<ul style="list-style-type: none"> Revision of Unit : 7 		
		4.	Revision			<ul style="list-style-type: none"> Revision of Unit : 8 		
		5.	Revision			<ul style="list-style-type: none"> Revision of Unit : 9 & 10 		

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