Content Strand	Sub-Content Srand	SLO Number	STUDENT LEARNING OUTCOMES (SLOs)	Wieghtage
	1.Oneness of Allah	1.1.1	Recognise that Almighty Allah has created us.	
	(Ta awwuz,		Recognise that everything in the world is created by	
	Tasmiyyah, Kalma	1.1.2	Almighty Allah.	
	Tayyibah)		Name the creations of Almighty Allah (Human beings,	404
		1.1.3	animals, plants, trees, stars, sun etc.)	470
		1.1.4	Recite Kalimah Tayyibah with its meanings.	
		1.1.5	Recite Ta awwuz and Tasmiyyah with their translation.	
		1.2.1	Name Prophets (Hazrat Ibrahim (A.S), Hazrat Musa (A.S, and Hazrat Isa (A.S) and Hazarat Muhammad	
		1.2.1	Recognize that Hazarat Muhammad Rasoolullah خاتم النبيين على الله عليه وعلى الله والمحابة والمحابة وسلم is the last prophet of Almighty Allah.	
	2. Prophets	1.2.3	Narrate the biography/Seerat of Hazarat Muhammad Rasoolullah خاتم النبيين صلى الله عليه و على آله واصحابه وسلم (birth, early upbringing and character).	4%
		1.2.4	Recognize that they should recite (SAW) whenever they read,say, and hear name of Hazrat Muhammad Hazarat Muhammad Rasoolullah خاتم النبيين صلى الله عليه و على آله و اصحابه و سلم	
1. Islamiat		1.2.5	Recite with translation the short form of Darood	
(24%)	3. Hazrat			
	Muhammad			
	Hazarat			
	Muhammad			4%
	خاتم Rasoolullah		Narrate events from the biography/Seerat of Hazrat	
	النبيين صلى الله عليه		خاتم النبيين Muhammad Hazarat Muhammad Rasoolullah	
	وعلى الم واصحابه وسلم	1.3.1	صلى الله عليه وعلى الم واصحابه وسلم	

	1.4.1	Name the holy books revealed by Almighty Allah.	
		Identify the prophet to whom Almighty Allah revealed	
	1.4.2	by each Holy Book.	
4. Holy Books		Recognize that the Quran and other Holy Books tell us	4%
	1.4.3	how to live a good life.	
	1.4.4	Recognize the importance of respecting all Holy Books.	
		Recognize that people pray to thank God for his	
	1.5.1	blessings and bounties.	
	1.5.2	Recognize that people pray in different ways.	
	1.5.3	Name the five prayers that Muslims offer daily.	
5 D	1.5.4	Recognize Azan as a call for Namaz.	Q0/
5. Prayer	1.5.5	Find out a Mosque/Masjid in their neighbourhood.	8%
		Inquire about other places of worship in their	
	1.5.6	neighbourhood (church,temple etc.).	
	1.5.7	Recognize that they should respect all places of worship.	
	2.1.1	Describe themselves briefly.	
		Identify good qualities in themselves (telling the truth;	
1 Introduction to colf	2.1.2	respecting elders; getting up early in the morning)	106
1.11111 ouucuon to sen	2.1.3	Recognize the good qualities in others.	4 /0
		Identify the ways in which they are same and different	
		from others with respect to physical characters and likes	
	2.1.4	and dislikes.	
		Identify the ways and means by which they can keep	
3. Keeping Onself		themselves clean (washing hands, clipping/trimming	4%
Clean	2.3.1	nails, brushing teeth, taking bath etc.).	
		Recognize the importance of keeping themselves clean	
	2.3.2	for their health.	
	2.5.1	List food items that they usually eat at home.	
	2.5.2	Name the food items they like to eat.	
	2.5.2	Recognize the importance of different food items they	
5 The food I Fet	2.5.3	eat.	

2.5.4 after eating. 2.5.5 Demonstrate the etiquettes of eating. 2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.6.1 Name the game they like to play. 2.6.2 Identify different games from the given picture. 2.6.3 Identify the general rules of playing a game. 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.6.5 Observe the rules when playing a game. 2.6.1 Identify the people they interact with in school. Identify the people they interact with in school Identify the people they interact with in school	8%
2.5.7 Interforming 2.5.5 Demonstrate the etiquettes of eating. 2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.6.1 Name the game they like to play. 2.6.2 Identify different games from the given picture. 2.6.3 Identify the general rules of playing a game. 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	0,0
2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.5.6 Recite Dua both before and after taking a meal. 2.6.1 Name the game they like to play. 2.6.2 Identify different games from the given picture. 2.6.3 Identify the general rules of playing a game. 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school Identify the people they interact with in school	
2. Social Studies (36%) 2.6.1 Name the game they like to play. 2. Social Studies (36%) 2.6.1 Identify different games from the given picture. 2.6.3 Identify the general rules of playing a game. 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	
2. Social Studies (36%) 2.6.2 Identify different games from the given picture. 2.6.3 Identify the general rules of playing a game. 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	
6.Games and Rules 2.6.3 Identify the general rules of playing a game. 2. Social Studies (36%) 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	
2. Social Studies (36%) 2.6.4 Recognize the importance of following rules. 2.6.5 Observe the rules when playing a game. 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	407
2. Social Studies 2.6.5 Observe the rules when playing a game. (36%) 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers students principal service providing staff	4%
(30%) 2.7.1 Describe and draw a picture of their school. Identify the people they interact with in school (teachers, students, principal, service providing, staff)	
Identify the people they interact with in school (teachers, students, principal service providing, staff	
(teachers students principal service providing staff	
(couchers, students, principal, service providing start	
2.7.2 etc.).	
2.7.3 List the activities they engage in at school.	80/
2.7.4 List the rules they follow in the classroom.	0%
2.7.5 Follow class rules.	
Recognize that they should respect everyone in their	
school (teachers, class fellows, service providing staff	
2.7.6 etc.).	
Recognize that in case of illness they require medical	
2.8.1 assistance/treatment.	
List people who provide health care (doctors, nurses	
2.8.2 etc.).	
Name the nearest health care facility in their	
2.8.3 neighbourhood.	
8.Health Care 2.8.4 Describe an incident where they or another family member had fallen sick and took medical treatment	8%

	2.8.5	Identify the causes of illness.	
		Identify unhealthy habits that cause common illness	
	2.8.6	(cough,diarrhea etc.).	
		List various ways of protecting oneself from diseases (
		keeping self and surrounding clean, drinking clean	
	2.8.7	water and eating healthy food, getting vaccinated).	
	3.1.1	Identify the plants they see around them.	
		Recognize the differences between the plants they see	
	3.1.2	around them.	
		Recognize the importance of plants/trees as a source of	
	3.1.3	food, shade and shelter.	
		Identify the things around them that are made up of	
	3.1.4	plants/trees.	
	3.1.5	Identify the animals they see around them.	
		Identify the differences between the animals they see	
	3.1.6	around them.	
1 Diants and Animals	3.1.7	Identify the food which different animals eat.	120/
1.Plants and Animals		Recognize the importance of animals as a source of	12%
	3.1.8	food, and transport.	
	3.1.9	Identify the homes of animals(nest,burrow).	
		Differentiate between animals that can and cannot be	
	3.1.10	kept at home.	
		Identify the measures for the better care of domestic	
	3.1.11	animals.	
		Recognize that plants and animals need water, food,	
	3.1.12	and air to live.	
		List ways in which they can take care of things around	
	3.1.13	them.	
		Name different objects in their surroundings	
	3.2.1	(home, school and neighbourhood).	
		Recognize that objects are different in	
	3.2.2	shape,size,texture and weight.	
			-

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		2.2.2	Group objects based on shape (circle, triangle, square, and rectangle), size (big, little; large, small), texture	
		3.2.3	(rough, smooth, nard, soit), and weight (neavy, light).	
		3.2.4	Recognize that many objects make sounds.	
			Identify that sounds can be made in different ways	
3. Science (40%)		3.2.5	(hitting,shaking,blowing and plucking).	
		3.2.6	Recognize that they hear sounds with ears.	
			Recognize that sounds heard are low when they are far	
		3.2.7	away.	
	2.Objects around us	3.2.8	Recognize that light is needed to see objects in the dark.	16%
			Recognize that some lights are intense and some are	1070
		3.2.9	dim.	
		3.2.10	Recognize that objects are made of different materials.	
			Group objects based on the materials they are made of	
		3.2.11	(wood,paper,plastic etc).	
			Identify materials that can be hard or soft, smooth or	
		3.2.12	rough.	
			Recognize that the same material can be used for	
		3.2.13	making different objects.	
			Recognize that the same object can be made from	
		3.2.14	different materials.	
			Recognize that some objects are made of more than one	
		3.2.15	material.	
		3.3.1	Identify the shape of the earth.	
	3.Earth			4%
		3.3.2	Recognize that the Earth is covered with land and water.	
		3.4.1	Identify objects in the sky during day and night.	
	4 61		Recognize that the sun shines very brightly during the	40/
	4.5Ку	3.4.2	day and gives us heat and light.	4%
		3.4.3	Recognize that the moon and stars shine at night.	
		3.6.1	Name four seasons (spring, summer, autumn, and winter).	
	•			

6.Seasons	3.6.2	Illustarte the key characteristics of the four seasons (summer: hot, winter: cold, autumn: leaves fall, spring: new flowers and leaves)	4%
	3.6.3	Relate seasonal weather conditions to appropriate choices for clothing, food and recreational activities.	

Content Strand	Sub-Content Strand	SLO No.	STUDENT LEARNING OUTCOMES (SLOs)	Weightage
1. ISLAMIC STUDY (Wieghtage 28 %)	1.1 Blessings/ Bounties of Almighty ALLAH	1.1.1	Recognize that Almighty Allah gives us innumerable blessings/ Bounties (home, family,food etc.).	
		1.1.2	Recognize that every one should thank Almighty Allah for his blessings/ Bounties.	4%
		1.1.3	Recite brief connotations in Arabic that Muslims use in daily life with their meanings (Insha Allah, Ma Sha Allah, Al-Hamdu lillah, Yarhamu kallah).	
	DEVELOPING A GOOD CHARACTER			
	1.2 Seerat of Hazarat Muhammad خاتم النبيين صلى الله Rasoolullah عليه وعلى آله واصحابه وسلم	1.2.1	Narrate events from the biography /Seerat of Hazarat Muhammad Rasoolullah خاتم النبيين صلى الله عليه وعلى آله واصحابه وسلم	4%
	1.3 Good character from the lives of Prophets	1.3.1	Narrate events from the life of hazarat Musa (A.S) and Hazrat Isa (A.S).	
		1.3.2	Identify examples of good character from the life history of Hazarat Muhammad Rasoolullah خاتم النبيين صلى الله عليه وعلى آله واصحابه وسلم (truthfulness, love,fotgiveness)	4%
	FASTING AND RELIGIOUS FESTIVELS			
		1.4.1	Recognize the importance of fasting for people of all faiths	
	1.4 Fasting	1.4.2 1.4.3 1.4.4	Recognize that people of all faiths fast at different time of the year. Recognize that Ramzan is the month of festing for Muslims. Identify what Muslims do during the month of Ramzan.	4%
	1.5 Religious Festivels	1.5.1 1.5.2	Describr how peoples celeberate Eid-ul-Fitr and Eid-ul- Azha. Identify other cultural and religious festivels celebrated in their village / city.	4%
	DEVELOPING A GOOD CHARACTER			
	1.7 Forgiveness and Forgiving Others		Recognize what they say and do,can hurt others, and what others do and say, can hurt them (telling lies, Pushing others, using derogatory	
	(Text Book Chapter 19)	1.7.1	words).	1%

Rhue Print of Ceneral Knowledge	Grade-2 alligned with Accelerated Pr	ogramme (AIP)
Dide I fint of General Knowledge,	Graue-2 anighed with Accelerated 11	Ugramme (ALI)

		identify the ways in which we can redress the hurt caused to others (ask	
		for forgiveness, say sorry, do something special for them etc.).	
	1.7.2		
1.8 All Humans are Equal	1.8.1	Identify ways in which people are similar and different.	
(Text Book Chapter 20)		Recognize the need to respect all people as they are born equal and with	
	1.8.2	human dignity.	4.07
	1.8.3	Identify ways in which they can show respect for others.	4%
	1.8.4	State the importance of taking turns.	
	1.8.5	Identify occasions when it is important to wait for one's turn	
OUR COUNTRY	<u> </u>		
OUR COUNTRY	1		
OUR COUNTRY			

2. SOCIAL STUDY		2.1.1	Recognize the map of Pakistan.	
(Wieghtage 32 %)		2.1.2	Name the four provinces of Pakistan.	
	2.1 Our Country Pakistan	2.3.1	Recognize the significance of the national flag	4.04
		2.3.2	Draw the flag of Pakistan	470
		2.3.3	Identify What colours and symbols on the flag represent.	
		2.3.4	Recognize that all countries have a flag.	
	NEIGHBOURHOOD			
		2.5.1	Identify what makes theirneighbourhood dirty.	
	2.5 Keeping the Environment	2.5.2	List the ways by which they can keep their neighbourhood clean.	
	Clean (Curriculum of Grade I)	2.5.3	Recognize that a clean neighbourhood is important for living a healthy	4%
			life.	
		2.5.4	State the ways they kept their neighbourhood clean.	
	VILLAGES AND CITIES			
		2.6.1	Recognize that the people of pakistan live in villages and cities	
			Identify key characteristics of a village(buildings, facilities, noise, and	
		2.6.2	the work people do).	
		2.6.3	Identify key characteristics of a city.	
		2.6.4	Compare village and city life.	
	2.6 Villages and Cities	2.6.5	Describe a day in the life of villagers(male and female).	8%
			List some of the common vocations/ professions of a village/city(070
		2.6.6	cobbler, musician, tailor, butcher etc.).	

1	1			
			List similarties and differences of their cities and village with that of	
		2.6.7	other cities or villages in different parts of the country/world.	
		2.6.8	Indicate choice of place to live and give reasons.	
		2.7.1	Identify some traffic rules.	
	2.7 Traffic Rules		Identify the safety rules they should follow while walking on the road,	
		2.7.2	crossing a road, travelling by a bus etc.	4%
	THE NATURAL ENVIRONMENT	Г		
		2.14.1	Identify the ways human being waste water.	
		2.14.2	Identify problems caused by wastage of water.	
	2.14 Conservation of Earth's	2.14.3	Suggest ways to save water.	
	Resources	2.14.4	Recognize the importance of forests for them.	8%
	Resources		Identify the ways in which the land is destroyed due to human	
		2.14.5	activity(deforestation).	
		2.14.6	Suggest ways to reduce deforestation.	
Science	THE NATURAL ENVIRONMENT	Г		
(Wieghtage 40%)		3.1.1	Name the plants that grow in their surroundings.	
		3.1.2	Identify major parts of a plants.	
		3.1.3	List the functions of the roots, stem, leaf and flower.	ĺ
		3.1.4	Identify the different kinds of leaves found around them.	
		3.1.5	Identify the roots that are eaten by the people.	
	3.1 Plants		Name the plants around them which have flowers and which don't have	120/
	5.1 1 lants	3.1.6	flowers.	1270
		3.1.7	Identify that all fruits have seeds in them.	
		3.1.8	Recognize that some plants grow from seeds.	
		3.1.9	Identify that soil and water is needed to grow a plant.	
		3.1.10	Identify the ways in which plants are used (food, clothing, sheltor etc).	
		3.2.1	List the animals they see in their surroundings (land,air and water).	
			Recognize that animals that live on land are different in features from	
		3.2.2	those that live in air and water.	
		3.2.3	Recognize that all animals have young that grow into adults.	
			Name different animals and theirs young ones (Horse ane foal,swan and	100/
	3.2 Animals	3.2.4	cygnets, frogs and tadpoles, butterflyes and caterpillars).	12%
			Identify that some young animals do not look like their parents(frogs	
		3.2.5	and butterflyes).	
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		List the animals that feed their youngs and look after them untiull they	
	3.2.6	are grown.	
	3.2.7	Recognize that there is a need for shelter for living things .	
	3.2.8	Name different places where animals live.	
	3.3.1	Recognize the importance of water for living things.	
	3.3.2	Identify the natural sources of water	
	3.3.3	Identify the main sources of water in their locality.	
	3.3.4	Recognize the importance of the resources of water.	
3.3 Water	3.3.5	Narrate how water gets from a natural source to the tabs in their home.	8%
	3.3.6	list the daily activities in which they use water.	
	3.3.7	Recognize that clean water should be used for drinking purposes.	
		Recognize that there are some peoples who always face shortage of	
	3.3.8	water.	
		Recognize that the natural environment comprises living and non living	
	3.5.1	thing.	
3.5 Land	3.5.2	Name some natural resources	8%
5.5 Land	3.5.3	Recognize the importance of natural resources	0 /0
	3.5.4	Recognize the importance of the resources of land.	
	3.5.5	List the ways in which people use the land.	

Blue Pr	Blue Print of General Knowledge, Grade- 3 alligned with Accelerated Learning Programme (ALP)			
Content Strand	Sub-Content Srand	SLO Number	STUDENT LEARNING OUTCOMES (SLO)	
1. SCIENCE (70%)		1.1	Recognize that heat and light of the sun help to sustain life on Earth.	
. ,		1.2	Define the term Habitat.	
		13	Describe the different habitats for living things (polar regions, desert, forest, sea and rivers)	
	1.The Earth as a Living	1.4	Identify the environmental factors (temprature, light, water) that supports life in a habitat.	
	Planet	1.5	Name plants and animals that live in each of the different habitats.	
		1.6	Identify the ways plants and animals adopt to their habitat (camel, fish, polar bear, cacti, lotus, pine trees etc)	
		1.7	Identify the ways human activities affect the natural habitats.	
		1.8	Describe the effects of human activity on the habitats.	
		2.1	Compare young plants and animals with their parents	
	2.Changes in living things	2.2	Identify the changes that animals and plants undergo during their life (Hen,frog, butterfly,cat,sunflower and rose)	
		2.3	Interpret diagrams of the life cycles of animal and plants to identify the different stages.	
		2.4	Sequence the stages of the life cycle of a plant/animal.	
		2.5	Illustrate the life cycle of an animal and a plant.	
		4.1	Define the terms natural resources, human resources, and capital resources.	
			Identify natural resources (plants, animals, water, air, land, forest and soil) Human resources (Farmers builders, painters etc.) Capital resources (
		4.2	trucks. computer. factory buildings etc).	
		4.3	Define the terms: Goods, services, Buyers, Sellers.	
		4.4	Identify how a good or service is made available.	
	4. Natural resources	4.5	Identify the main goods and services of their local area.	
		4.6	Recognize the concept of specialization (being an expert in one job or service or product).	
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		Recognize the need for interdependance as not or goods and services
	4.7	are available in their area.
	4.8	Define Scarcity.
		Recognize that equal people make economic choices because goods
	4.9	and services are limited.
	5.1	Describe ways in which humans have change the natural environment.
	5.2	Predict that what would happen if natural resources were used up.
5. Conservation of	5.3	Suggest ways to save natural resources.
natural resources		
	5.4	Design a poster to communicate ways to conserve natural resources.
	5.5	Identify the endangered animals of Pakistan
	5.6	Suggest ways to protect the endangered animals.
	5.7	Identify animals, which are extinct.
	6.1	Recognize that different animals have different diets.
	6.2	Identify the shape of teeth helps animals to eat their particular foods.
		Recognize that healthy living requires eating a balanced diet, keeping
	6.3	clean, getting a good night sleep and excessising regularly.
	6.4	Classify foods into the basic food groups.
6. Food and Feeding	6.5	Define a balanced diet.
	6.6	Identify foods for the three meals of a day to prepare a balanced diet.
		Prepare a flyer to educate others of the importance of cleanliness of
	6.7	healthy living.
	6.8	Recognize the importance of appropriate rest and a good night sleep.
	6.9	Identify the ways to get sufficient exercise to stay healthy.
	9.1	Explain why Inventors are important.
	9.2	Identify the qualities/attributes of an Inventor.
		Identify major objects Invented and their Inventors over the last
	9.3	century.

	9.4	Imagine how life would be without anyone major invention.
		Classify Inventions that improved farming, household chores, space
9. Inventors and	9.5	exploration and communication.
Inventions	9.6	Compose a paragraph about their favourite invention.
	9.7	Predict how an invention could change life in the future.
		Identify recent inventions (personal computers, fax machines,
		microwaves, CDs etc) and how they have changed the way people
	9.8	work and play.
		Gather and organize information and right a report about a recent
	9.9	invention.
	10.1	Recognize that people in the past used tools to make their work easier.
		Name the tools from the past given in the pictures and describe their
	10.2	functions.
		Recognize that people today use different tools and machines to make
	10.3	their work easier.
		Name some simple machine they see/use at home(scissors, hammer,
	10.4	pliers).
	10.5	Explain how simple machines make work easier.
10. Tools and machines		Recognize that deposition and shape of an object can be changed by a
	10.6	force (push or pull).
	10.7	Recognize that push and pulls move things fast or slow.
		Recognize from pictures of the past that force applied by humans and
	10.0	animals moved vehicles while today vehicles are moved by machines(
	10.8	Tonga, Bullock-cart, cycle, pushcart, bus, motorcycle, and car).
	10.0	Observe and describe how motion of vehicle can be changed by
	10.9	applying force (speedup, slow down, change direction etc).
	10.1	chiest
	10.1	Decognize that while living on the Earth we see the sun vising in the
	2 1	Fact and setting in the West
	3.1	Name the four cardinal directions
	3.2	

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3. Sun		
5. 5un	3.3	Name places towards North, South, East and West of the school/home.
	3.4	Describe the size of the shadow with the position of the sun.
		Recognize that the size of the shadow created by the position of the sun
	3.5	was used to tell the estimated time.
	8.1	Recognize that present time is different from the past.
8 Past and present things		Identify how schools, communities, transportation have changed over
o. I ast and present things	8.2	time (from the given picture).
	8.3	Sequence events in a narrated in chronological order.
		Describe the activities that individuals perform for the wellfare of the
	11.1	local communities.
11.The role of the		Identify the public issues in local area,(drinking water, school, sewrage
Government and Citizens	11.2	system etc).
		Inquire into one issue, identify its causes, suggest solutions and take a
	11.3	responsible action to solve the issue.
	12.1	Recognize that people organize themselves to meet their needs,
12.Responsibilities of	12.2	Describe what Government does to meet the needs of people.
Government and rights		Suggest ways the Government and people work together to meet
of Citizens	12.3	people's needs in the area.
13. Respect for others	13.1	Identify ways they can demonstrate good Citizenship (Playing fairly, helping others, following rules, taking responsibility or one's actions).
	13.2	Identify the personal traits of good Citizens(trustworthiness, respect for law, responsibility, honesty and respect for the rights of others).
	13.2	Identify the disagreement/conflicts that occur at home in school and in
	14 1	local communities (from stories and role play).
	14.2	Identify the feeling of people in different conflicting situations.
	14.3	Identify causes of conflict.
	1	Describe the impact of conflict on the people involved and larger
14. Working out	14.4	community.
disagreement	1	Identify the ways in which people resolved conflicts at home in school
uisugi comont	14 5	and in the local community.
	14.6	Suggest strategies for preventing conflicts.
	3. Sun 3. Sun 8. Past and present things 11.The role of the Government and Citizens 12.Responsibilities of Government and rights of Citizens 13. Respect for others 14. Working out disagreement	3. Sun 3.3 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 11.1 11.1 11.1 11.1 11.2 11.3 12.1 12.1 12.2 12.1 12.2 12.2 Government and rights 12.3 13.1 13.1 13.2 13.1 14.1 14.2 14.3 14.3 14.4 14.3 14.5 14.6

	14.7	Use discussion and problem solving methods to workout disagreement.
7.What I will become	7	not adressed in ALP and National curriculum

	Blue Print of Science Grade 4, in aacord	n Accelerated Learning Program (ALP)	
Content Strand	Sub-Content Strand	SLO No.	SLO
		1.1.1	Identify major parts of human body.
		1.1.2	State functions of major parts of the body.
	1.1 Understanding Ourselves (12%)	1.1.3	Describe how bones and muscles work together to produce movement.
		1.1.4	Identify common disorders of various parts of body and their causes.
		1.1.5	Suggest ways to keep parts of their body healthy.
		1.2.1	Identify factors necessary for both animals and plants to survive.
	1.2 Characteristics and Needs of Living	1.2.2	Compare physical characteristics of animals and plants.
1 I IFF SCIENCE	Things (8%)	123	Perform an experiment to show that living things can grow while non-
(36%)		1.2.3	living things cannot grow.
(5070)		1.3.1	Identify the sources of common food.
	1.3 Food and Health (8%)	1.3.2	Explain the properties of major food groups.
		1.3.3	Classify different food into their basic groups
		1.3.8	Explain hygiene and its basic principles.
	1.4 Living Things and Their Environment (8%)	1.4.1	Define environment
		1.4.2	Explain components of environment with examples.
		1.4.3	Diffrentiate between different types of environment.
		1.4.5	Classify animals on the basis of food they eat.
		1.4.6	Differentiate between carnivores, herbivores, and omnivores with the help of examples.
		2.1.1	Define matter and give examples
		2.1.2	Identify three states of matter with examples.
	2.1 Matter and its States (8%)	2.1.3	Compare solids, liquids and gases on the basis of shape and volume
		2.1.4	Demonstrate and explain how matter changes its state on heating.
		2.2.2	Draw and label the device for measuring temperature.
	2.2 Heat and its Measurement (8%)	2.2.3	Measure and record the body temperature using a laboratory thermometer and a clinical thermometer
		2.2.4	Suggest the safety measures required in using thermometer

1			
		2.3.1	Define force by giving examples.
		2.3.2	Investigate the ways in which motion of an object can be changed.
		233	Demonstrate how force can change the position and the shape of an
		2.5.5	object.
	2.3 Force and Machines (12%)	234	Explore that greater the force, greater the change in the distance
		2.3.4	covered by the object.
		225	Design experiment to demonstrate that some objects can return to
		2.3.3	their original shape after the release of force.
		2.3.6	Define speed and give its relation with distance.
		2.4.1	Investigate that sound is produced by vibrating objects.
2. PHYSICAL SCIENCE (56%)		2.4.2	Differentiate between low and high sounds.
SCIENCE (5070)		242	Demonstrate that sound can travel through solids, liquids and gases
		2.4.3	but cannot travel through a vacuum.
	2.4 Introduction to Sound (12%)	244	Interpret that the explosions in the core of the sun are not heard, as
	2.4 Introduction to Sound (12%)	2.4.4	sound cannot travel through vacuum.
		2.4.5	Differentiate between noise and other sounds.
		2.4.6	Explore the effects of noise on human health.
		2.4.7	Suggest ways to reduce noise pollution and plan an awareness
			campaign on any one.
	2.5 Investegating Electricity and Magnetism	2.5.1	Distinguish between insulators and conductors.
		2.5.2	Identify examples of conductors and insulators in their environment
		2.5.5	Investigate using a magnet that some materials are magnetic and
			some are non magnetic
		2.5.6	Recognize that a magnet has poles
		257	Demonstrate that like poles repel each other and unlike poles attract
	(10,0)	2.5.1	each other.
		258	Investigate that a freely suspended magnet always points in the N - S
		2.5.0	direction.
		259	Identify the various uses of magnets and magnetic materials in daily
		2.3.7	life.
		3.1.1	Describe the shape of Earth.
3. EARTH AND SPACE		3.1.2	Relate the Earth's spin with the occurrence of day and night.
SCIENCE (8%)	3.1 Movements of the Earth (8%)	3.1.3	Define the term revolution.
SCIENCE (870)		314	Identify that the distance between the Earth and the sun effects the
		5.1.7	time Earth takes to revolve around the sun.

Content Strand	Sub Content Strand	SLOs (Student Learning Outcomes)
1	1.1	1.1.1 Define classification
LIFE SCIENCE	Classification of Living Things (18%)	1.1.2 Explain the need and importance of Classification
36%		1.1.3 Differentiate between vertebrates and invertebrates according the key characteristics
		1.1.4 Identify vertebrates and invertebrates from their surroundings. 1.1.5 Classify vertebrates into mammals, reptiles, fish, birds and amphibians on the basis of their characteristics
		1.1.6 Identify key characteristics of worms and insects
		1.1.7 Compare flowering and non-flowering plants
		1.1.8 Classify the flowering plants into two major groups and give examples of
		each group.
		1.1.9 Compare the structure of a monocot and a dicot seed.
		1.1.10 Compare the structure of a monocot and dicot leaf in terms of its shape and venation
		1.1.11 Differentiate between the structure of monocot and dicot flower in terms of number of floral leaves.
		1.2.1 Define microorganisms
	1.2 Microorganisms	1.2.2 Identify the main groups of microorganisms and give examples for each
	10%	1.2.3 Describe the advantages and disadvantages of microorganisms in daily life
		1.2.5 Identify ways by which microorganisms can enter the human body
	1.3 Environmental pollution	1.3.1 Define pollution
	8%	1.3.2 Describe different kinds of pollution
		1.3.4 Explain the effects of water, air and land pollution on environment and suggest ways to reduce them.

Blue Print of Science Grade 5, in aacordance with Accelerated Learning Program (ALP)

2	21	2.1.1 Describe the properties of the three states of matter on the basis of
2	2.1	arrangement of particles.
PHVSICAL SCIENCE	Matter and Changes in its States	2.1.2 Demonstrate the arrangement of particles in the three states of matter
I II I SICAL SCIENCE	Watter and Changes in its States	through models.
52%	14%	2.1.3 Investigate the effect of heat on particle motion during a change in states.
		2.1.4 Demonstrate and explain the process that are involved in the change of
		states.
		2.1.5 Describe the role of evaporation and condensation in the water cycle.
	2.2 Force and Machines	2.2.1 Describe friction and its causes.
	16%	2.2.2 Explain the advantages and disadvantages of friction.
		2.2.3 Suggest methods to reduce friction.
		2.2.4 Identify what cyclists; swimmers and parachutists to reduce friction.
		2.2.5 Explain the gravitational force using different examples.
		2.2.11 Compare the three kinds of levers using examples.
		2.2.12 Describe how levers make work is near by giving examples of its uses from
		daily life.
	2.3	2.3.1 Differentiate between Luminous and non-luminous objects.
	Properties and Behaviour of Light	2.3.2 Identify and differentiate between transparent Opaque and translucent
		objects in their surroundings.
	12%	2.3.3 Investigate that light travels in a straight line.
		2.3.4 Explain the formation of Shadows and eclipses.
	2.4	2.4.1 Describe flow of electric current in an electrical circuit.
	Electricity and Magnetism 10%	2.4.2 Describe fuse and its importance in an electric circuit.
		2.4.3 Explain the phenomena of lightening.
		2.4.4 Explain the production of static electrical charges in some common
		materials.
		2.4.6 Make an electromagnet with the help of a cell, iron nail wire and show its
		working.
		2.4.7 Explore different electromagnetic devices used in their daily life.
		2.4.8 Describe the relationship between electricity and magnetism in an
		electromagnetic device.

3	3.1	3.1.1 Differentiate between a star and a planet.
EARTH AND SPACE SCIENCE	Solar System 12%	3.1.2 Explain that the Sun is a star.
12%		3.1.3 Describe the solar system and its planetary arrangement showing position of Earth in our solar system.3.1.4 Explain the relative size of the planets and their distance from the sun using a model.
		3.1.5 Compare the sizes of Earth, Sun and Moon.

Contont Strond		ÍSLO	
Content Stranu	Sub Contont Strond	No	Student Learning Outcomes (SLOs)
	Sub-Content Strand	110.	Student Learning Outcomes (SLOS)
LIFE SCIENCE		1.1.1	Define a Cell.
(32%)	1 Colladou Oursenization of	1.1.4	Draw, label and describe the basic structure of an animal cell and a plant cell.
	I. Cellular Organization of Diants and Animals (100/)	1.1.5	Compare and contrast an animal cell with a plant cell.
	Plants and Animals (10%)	1.1.8	Distinguish between tissues and organs.
		1.1.9	Recognize root and shoot systems in plants.
		1.1.10	State the functions of the major systems of the human body.
		1.2.1	Explain the structure and function of eye.
	2. Sence Organs (5%)	1.2.2	Explain the structure and function of ear.
	_	1.2.3	Explain the structure and function of nose.
		1.3.2	Define photosynthesis.
	3. Photosynthesis and	1.3.3	Explain the importance of photosynthesis in plants.
	Respiration in Plants (7%)	1.3.4	Describe the effects of different factors on the process of photosynthesis.
		1.3.7	Explain the importance and process of respiration in plants.
		1.4.1	Identify the components of environment
	4 Environment and	1.4.3	Describe the relationship between biotic and abiotic components of the environment.
	4. Environment andInteractions(8%)	1.4.4	Explain how abiotic factors affect the ability of plants to create their own food.
		1.4.5	Describe that living things depend on one another for food, shelter and protection.
PHYSICAL SCIENCE		2.1.1	Differentiate between an atom and a molecule.
(60%)		2.1.2	Recognize the symbols of some common elements.
		2.1.3	Classify elements into metals and non-metals.
		2.1.4	Relate the physical properties of elements to their uses.
	5. Atoms, Molecules, Mixtures	2.1.5	Differentiate between elements and compounds and compounds and mixtures.
	and Compounds (15%)	2.1.6	Identify examples of compounds and mixtures from their surroundings.
		2.1.7	Explain uses of common mixtures in daily life.

Blue Print of Science Grade 6, in aacordance with Accelerated Learning Program (ALP)

	2.1.8	Explain why air is considered as a mixture of gases.	
	2.1.9	Identify the sources of carbon dioxide and how its level can be maintained in nature.	
	2.2.1	Recognize the importance of air.	
6. Air (5%)	2.2.2	Identify the composition of air.	
	2.2.3	Relate the properties and uses of gases in air with the composition of air.	
	2.3.1	Differentiate between solute, solvent and solution.	
	2.3.2	Identify solute and solvent in a solution.	
7. Solutions and Suspensions	2.3.4	Distinguish between aqueous, dilute and concentrated solutions.	
(10%)	2.3.5	Demonstrate the use of water as a universal solvent.	
	2.3.6	Prepare saturated and unsaturated solutions.	
	2.3.10	Identify uses of solutions and suspensions in daily life.	
	2.4.1	Explain that energy provides the ability to do work and can exist in different forms.	
9 Enorgy and its Forms (80/)	2.4.2	Identify different forms of energy with examples.	
8. Energy and its Forms (8%)	2.4.3	Differentiate between kinetic and potential energy.	
	2.4.10	Explain the term renewable	
	2.4.11	Describe the advantages of using renewable energy sources.	
	2.5.1	Recognize wheel and axle and identify their uses.	
9 Forces and Machines (7%)	2.5.2	Describe pulleys and their kinds.	
7. Forces and Wachines (776)	2.5.3	Identify the uses of pulleys in daily life.	
	2.5.4	Describe the functions of pulley systems and gear systems.	
	2.6.1	Differentiate between transmission, absorption and reflection of light.	
	2.6.2	Demonstrate the law of reflection.	
	2.6.3	Demonstrate the difference between smooth, shiny, and rough surfaces.	
10. Properties of Light (12%)	2.6.4	Compare the regular and diffused reflection.	
	2.6.7	Describe image formation by a plane mirror.	
	2.6.13	Explain types of mirror and their uses in our daily life.	
	2.6.14	Investigate the image formation by convex and concave mirrors.	
	2.7.1	Describe sound as a form of energy.	
11. Investigating Sound (5%)	2.7.2	Compare the speed of sound in solids, liquids and gaseous mediums.	
	2.7.4	Explain that how does a human ear receive sound waves.	

EARTH AND SPACE		3.1.1	Define the term satellite.
SCIENCE		3.1.2	Compare the physical characteristics of comets, asteroids and meteors.
(8 %)	12. Space and Sattelites (8%)	3.1.3	Describe the different kinds of meteors.
		3.1.5	Define the terms artificial satellites and geostationary.
		3.1.7	Describe the uses of various satellites in space.

	Blue Print of Science,	Grade-7	Alligned with Accelerated Learning Program (ALP)
		SLO	
Content Strand	Sub-Content Strand	No.	SLOs
		1.1.1	Describe various components of human digestive system.
		1.1.2	Describe digestion and its importance.
	1.1 Human Organ	1.1.3	Describe how digestive system helps in the digestion of various kinds of foods.
	System (8%)	1.1.6	Describe the mechanism of respiration in humans.
		1.1.7	Differentiate between breathing and burning processes.
		1.1.8	Identify the common diseases of respiratory system and discuss their causes and preventive measures.
		1.2.1	Explain the transport system in humans.
		1.2.2	Describe the structure and function of heart and blood vessels.
	1 2 Transport in	1.2.3	Explain the working of the circulatory system.
	Human and Plants	1.2.5	Find out that some disorders in human transport system can be affected by diet.
	(8%)	1.2.6	Describe absorption of water in plants through roots.
1 LIFF SCIENCE			Explain how the structure of the roots, stem, and leaves of a plant permit the
(36%)		1.2.7	movement of food, water, and gases.
(3070)		1.3.1	Define pollination.
		1.3.2	Compare self and cross-pollinations in plants.
	1.3 Reproduction in	1.3.3	List various factors involved in cross-pollination.
	Plants (10%)1.3.4Investigate plants, which are cross-pollinated.1.3.5Differentiate sexual and asexual reproduction.	Investigate plants, which are cross-pollinated.	
		1.3.5	Differentiate sexual and asexual reproduction.
		1.3.6	Describe fertilization.
		1.3.7	Describe seed and fruit formation.
		1.4.1	Explain the ecosystem.
		1.4.2	Define the term habitat
	1.4 Environment and	1 4 7	Explain the ways in which living things respond to changes in daily environmental
	Feeding Relationships	1.4./	Conditions such as light intensity, temperature and rainfall.
	(10%)	1.4.8	Explain why lood chains always begin with a producer.
		1.4.9	Describe two food shoins in the environment around them
		1.4.10	Describe two rood chains in the environment around them.

•		1.4.11	Explain a food web.
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		2.1.4	Suggest different ways to clean the impure water.
	2.1 Water (4%)	2.1.5	Describe the various uses of water in our country.
			Investigate the consumption of water in our daily life and suggest ways to reduce
		2.1.6	wastage of water.
		2.2.1	Describe the structure of an atom.
		2.2.2	Differentiate between atomic number and mass number.
			Draw diagrams of the atomic structure of the first eighteen elements in the periodic
		2.2.3	table.
	2.2 Structure of an	2.2.4	Define valency.
	Atom (10%)	2.2.5	Explain formation of ions.
		2.2.6	Differentiate between cations and anions.
			Identify the types and number of elements present in simple molecules and
		2.2.8	compounds.
		2.2.9	Make chemical formulae from list of anions and cations.
		2.3.1	Differentiate between physical and chemical changes.
		2.3.2	Identify the physical and chemical changes taking place in environment.
	2.3 Physical and	2.3.3	Explain the use of hydrocarbons as fuels.
	Chemical Changes and		Explain the use of physical and chemical properties of fertilizers, which make them
	Processess (8%)	2.3.4	useful in agriculture.
		2.3.5	Discuss harmful effects of improper use of fertilizers.
		2.3.6	Describe the chemical process in which vegetable oil changes into fat.
		2.4.1	Explain the flow of heat from hot body to cold body.
		2.4.2	Explain conduction, convection and radiation through experimentation.
2 PHYSICAL	2.4 Transmission of	2.4.3	Recognize the three modes of transfer of heat from environment.
SCIENCE (52%)	Host (8%)	2.4.4	Suggest how birds can glide in the air for hours.
$\mathbf{SCIENCE}\left(32\ 70\right)$	11cat (070)		Identify examples of appliances that make use of different modes of transfer of
		2.4.5	heat.
		2.4.6	List heat-conducting materials in their surroundings.
		2.5.1	Explain refraction of light and its causes
	2.5 Dispersion of Light	2.5.2	Discuss the effects of refraction with examples.
	(4%)	2.5.3	List the colors of light using a prism.
		2.5.4	Describe the dispersion of light by a prism.

	2.6 Sound Waves (2%)	2.6.1	Explain the wavelength, frequency and amplitude of sound and give their units.
		2.6.6	Identify the applications of different sounds in daily life.
		2.7.1	Define current.
		2.7.2	Make parallel and series circuits.
		2.7.3	Investigate about types of circuits used for different purposes.
		2.7.4	Identify a disadvantage of a series circuit.
		2.7.5	Differentiate between current and energy.
		2.7.6	Explain the effects of electric current in daily use appliances.
	2.7 Ciruits and Electric	2.7.7	Describe voltage.
	Current (16%)	2.7.8	Explain the resistance as an opposition to the flow of current.
		2.7.9	Describe the relationship between voltage and resistance.
		2.7.10	Measure current by using different devices.
		2.7.11	List the major uses of electricity in homes.
		2.7.12	List electrical hazards and precautionary measures to ensure the safe use of electricity at home.
		2.7.13	Describe why electricity is dangerous to humans
		3.1.1	Explain the Big Bang Theory of the origin of the Universe.
		3.1.3	Describe a star using properties such as brightness and colour.
2 EADTH AND		3.1.5	Suggest safety methods to use when observing the sun.
5. EAKIH AND	3.1 Investigating the	3.1.6	Define the terms star, galaxy, Milky Way and the black holes.
SPACE SCIENCE	Space (12%)	3.1.7	Explain the types of galaxies.
(12%)		3.1.8	Explain the birth and death of our sun.
		3.1.9	Identify major constellations visible at night in the sky.
		3.1.11	Explain the working of a telescope.

Blu	e Print of Science, Grad	le-8 Alligned with Accelerated Learning Program (ALP)
Content Strand	Sub-Content Strand	SLOs
		1.1 Describe the structure and functions of the nervous system.
	1.1. HUMAN ORGAN	1.2 Describe the working of the nervous system through a model.
	SYSTEM	1.3 Explain reflex action with an example
	(Weightage 10%)	1.4 Differentiate between voluntary and involuntary actions they have experienced.
		1.5 Define excretion
		1.6 Draw and label human excretory system.
		1.7 Describe the role of kidney in excretion of waste.
	1.2. HEREDITY IN	2.1 Differentiate between mitoses and meiosis.
	ORGANISMS	2.2 Identify DNA and chromosomes in the cell diagram
	(Weightage 5%)	2.3 Define heredity and recognize its importance in transferring of
		characteristics from parents to off springs
		3.3 Describe the relationship between DNA, genes and chromosomes.
	10	3.5 Explain how genes are introduced into a bacterium
	1.3. PLOTECHNOLOCY	3.6 List some biotechnological products used in daily in life
1. LIFE SCIENCE	DIVIECHNOLOGI (Weightage 10%)	3.7 Explain that genetic modification in different foods can increase
(35%)	(Weightage 1070)	the amounts of essential nutrients.
		3.8 List general applications of biotechnology in various fields.
		3.9 Explain how biotechnology allows meeting the nutritional needs of
		growing populations
		4.1 Explain the sources, properties and harmful effects of air pollution.
		4.4 Explain the Greenhouse effect.

	4.5 Describe the causes and effects of ozone depletion
	4.6 Carry out a research to explain global warming and its likely
1.4. PULLUTANTS	effects on earth.
AND THEIR	4.7 Design a model to explain the Greenhouse effect.
ENVIRONMENT	4.8 Explain the formation of acid rain and identify its consequences on
(Weightage 10%)	living and nonliving things.
(4.9 Define deforestation.
	4.10 State the effects of deforestation on the environment.
	4.11 Identify human activities that have long-term adverse
	consequences on the environment.
	4.13 Suggest ways in which individuals, organizations and government
	can help to make earth a better place to live
2.1. CHEMICAL	5.1 Define chemical reactions and give examples.
REACTIONS	5.2 Explain the rearrangement of atoms in a chemical reaction
(Weightage 9%)	5.3 Explain the balancing of a chemical reaction
2.2. ACIDS, ALKALIS	6.1 Define the terms acid, alkali and salt.
AND SALTS (Weightage 9%)	6.2 Describe the properties of acids, alkalis and salts
	6.3 Explain the uses of acid, alkali and salt in daily life
	7.1 Define the term Pressure.
2.3. FORCE AND	7.4 Explain how gases behave under pressure.
PRESSURE	7.5 Describe the causes of gas pressure in a container.
(Weightage 10%)	7.6 Explain the working of aerosols
	7.7 Identify the application of gas pressure.
2.4	7.8 Describe the term atmospheric pressure.
2.4. Measudements	8.1 Define a physical quantity with examples
OF PHYSICAL	8.4 Select and use measuring instruments
QUANTITIES (Weightage 5%)	8.7 Measure the volume of liquid by reading correct meniscus

		9.1 Describe the sources and effects of heat
		9.2 Explain thermal expansion of solids, liquids and gases
		9.3 Explore the effects and applications of expansion and contraction
2 PHVSICAL		of solids.
SCIENCE (58%)		9.6 Investigate the processes making use of thermal expansion of
	2.5 COUDCES AND	substance
	2.5. SOURCES AND FFFFCTS OF HEAT	9.7 Identify the damages caused by expansion and contraction in their
	EFFECTS OF HEAT	surroundings and suggest ways to reduce these damages
	(Weightage 9%)	9.8 Investigate the means used by scientist and engineers to overcome
		the problems of expansion and contraction in everyday life
		0.7 Identify the demages equand by expansion and contraction in their
		9.7 Identify the damages caused by expansion and contraction in their
		surroundings and suggest ways to reduce these damages
		9.8 Investigate the means used by scientist and engineers to overcome
		the problems of expansion and contraction in everyday life
		10.1 Define lens
		10.2 Differentiate between the different types of lens
	2.6. LENSES	10.2 Describe the image formation using a long by ray diagram
	(weightage 9%)	10.5 Describe the image formation using a tens by ray diagram
		10.8 Identify the types of lenses used for various purposes in daily life
		11.1 Design an experiment to generate electricity
	2.7. ELECTRICITY IN	11.2 Explain the working of the model generator.
	(Weightage 7%)	11.3 Identify the simple devices that generate electricity in daily life.
		11.4 Design and demonstrate the working of a power station

3. EARTH AND SPACE SCIENCE	3. EARTH AND SPACE SCIENCE (With the 27%)	 12.1 Describe development of tools and technologies used in space exploration 12.3 Explain that how do astronauts survive and research in space. 12.4 Suggest the ways to solve the problems that have resulted from space exploration
(7%)	12.6 Identify new technologies used on earth that have developed as a result of the development of space technology.	