

Espalier Heritage School										
Annual Academic Planning (2020-21)										
Grade: III			Subject: Science							
Unit - I The Living World - Chapter No. 1 /Name : So Many Living Things										
sr no	Lesson name	learning objectives	Methodology	pedagogical methods	learning outcomes	Teaching aid	Teaching place	Reff book with pg. no.	No. of lectures required	Activities/Diagram/ Map work
Unit - I The Living World - Chapter No. 1 /Name : So Many Living Things							classroom	Tx. bk.Pg. No. 3 , 4 , 5		1- List 20 things that are living & non-living. 2- Counting number of legs of different animals from specimen.
		Text book:- Lesson reading by Tr. & students.	Step 2 - Tr. Will read & explain the lesson. Step 3 - Tr. Will make them read the lesson one by one.	Reading by teacher & Students	Students will come to know about the concept of living and non living things		classroom	Pg. No. 3 , 4 , 5		Sticking the pictures of living & non-living
		W.B. Exercises:- Search for living things:- 1-In the classroom 2-Outside the classroom	Step 4 - Tr. Will take the list of of living things present in & outside the class with students & will write correct answers on the B.B. & make them write in W.B.	Discussion & writing			classroom			
		W.B. Exercises:- Plants & animals before rain & after rain.	Step 5 -Tr.will draw the pictures of plants grow in water , climb on tree , animals move on ground , fly in the air on the B.B. Students will draw in W.B.	Discussion & drawing			classroom	W.B.pg no :5,6		Name & Draw: Climber , Water plant , Animals move on ground , Animal Flies in air.
		W.B. Exercises:- Name & draw Short questions.	Step 6 -Tr. will draw related diagrams on the B.B. Students will draw in W.B.	Discussion , drawing & writing				Pg. No. 7 , 8		Name & Draw : Animals live under ground , Hide under stones , climb on trees , live in water.
		W.B. Exercises:- What same what different? Play with words.	Step 7 - Tr. will discuss the similarity & differences & make them write in W.B. Step 8 - Tr. Will ask them to use the given words in their own sentences & will write on the B.B. Students will write answers in their W.B.	Discussion & writing			classroom	WB pg no .9,10,11.		
		Hard words from lesson (N.B.)	Step 9 -Tr. Will write hard words on B.B. & ask them to write & learn	Writing & learning in N.B.			classroom	Tx.bk.pg. no. 5		

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3	3.Grow your own plants	Introduction	Step 1 - Tr. will ask students to bring different types of seeds available in the kitchen. Students will observe the seeds .	Seeds observation	Students will come to know about the process of growing their own plants by organic method	Different types of seeds	Farm and gazebo			1- Seeds observation
		Introduction by showing video	Step 2 - Tr. Will show the video of germination of seed to them.	Discussion & Explanation						
		Reading by Tr. & students	Step 3 - Tr. will read & explain the lesson and make them read. Step 4 - Tr. Will ask students to grow any plant at home & observe.	Reading by Tr. & students			Farm and gazebo	Tx.bk. Pg. no. 12 ,13 ,14		2- Seed plantation activity. 3- Observation of seed germination stages.
		W.B. Exercises:- 1-Seeds in your kitchen 2- Plant a seed 3- Watch closely	Step 5 -Tr. will discuss 1-Which seeds do you get in your kitchen? with students and will write answers on the B.B. Step 6 -Will make them write correct answers in W.B.	Discussion & writing				W. B.pg. no. 17		
		W.B. Exercises:- Name & draw Short questions.	Step 7 - Tr. Will draw the pictures of any 5 plants grown by students, on the B.B. students will draw the pictures in W.B. Step 8 - Tr. Will discuss Q. A. & make them write in W.B.	Drawing & writing		Pictures of plants grown by students.(Wheat , corn , lemon, groundnut , rose)	Farm	W.B. pg. no. 18 , 19		
		W.B. Exercises:- What same what difference	Step 9 -Tr. Will discuss Similarity & differences with students , will write on the B.B. & make them write in W.B.	Discussion & writing				W.B. pg.no.19,20		
		Look , tell & write. Watch & draw your observation. My question.	Step 10 -Tr. Will make them write their observation in W.B. Step 11 - Tr. Will draw the stages of plant germination & make them draw & write one sentence on each. Step 12 -Tr. Will write question & answer on B.B.& make them write in W.B.	Drawing & writing				W.B. pg. no. 20 , 21 , 22		Drawing pictures of different stages of plant germination.
		Class project submission	Step 13 -Tr. Will ask students to bring their plants in the class.	observation		Different types of plants	Farm			Plants observation

		Hard words from lesson (N.B.)	Step 14 - Tr. will write hard words from lesson on B.B. Students will write in their NB & learn the words.	Writing & learning			Classroom	Tx.bk. Pg. no. 13 ,14		
		Revision	Step 15 -Tr. Will revise the lesson orally.	Tr. & students interaction						
		Revision	Step 16 -Tr. Will give them Worksheet to solve in the class.	Worksheet Solving						
4		Introduction	Step 1 -Tr. Will take the names of some animals we see around Step 2 - us & write on the B.B. Tr. Will discuss their characteristics & classify them accordingly. Step 3 - Tr. Will show them AV of animals around us.	Observation /Discussion	Students will come to know about the difference and their habitat, domestic animals and wild animals	Flash cards	Classroom			1- To make a list of animals according to their characteristics & classification. 2- Draw or stick pictures of animals
		Text book :- Reading by Tr. & students	Step 4 -Tr. Will read the lesson & explain. Step 5 - Tr. Will make them read the lesson.	Reading by Tr. & students, Explanation.			Classroom	Tx.bk.pg. no. 16 , 17 , 18		
		W.B. Exercises:- 1-Who got the food. a. Watching ants. b. Watching larger animals. 2- Flower visitor 3- Birds	Step 6 - Tr. Will discuss about the ants 1- Which insect go to the sweet first? 2- Where are they come from? 3- How they hold the food? & will make them tick the correct answers. in the W.B. Step 7 - Tr. Will discuss about 4 legged animals , insects & birds with them & will write the answer on B.B. & will make them write in the W.B.	Discussion & writing			Classroom	W.B. pg.no. 23 , 24 , 25		
		W.B. Exercises:- Name & draw Mask making project	Step 8 - Tr. Will draw the pictures of different animals & will make them to draw in the W.B. Step 9 - Tr. Will give project to make animal masks .	Drawing the pictures		1-Pictures of 2-4 ,6, 8 & many legged animals.		W.B. pg.no. 25 , 26		Mask making project.

		W.B. Exercises:- 1-Short questions. 2-What same what different. 3-Odd one out.	Step 10 - Tr. Will explain Q.A. , odd one out & Similarity , differences between different animals. Step 11 - Tr. Will write correct answer on the B.B. & make them write in W.B.	Discussion & writing						
		W.B. Exercises:- 1-Look tell & write. 2- Play with words. 3- Figure it out.	Step 12 - Tr. Will explain aout the behaviour of animals like some are active in the night or day , some live in group , live alone , bold and shy animals etc. & Will write the names on the B.B. will make them write in W.B.	Discussion & writing				W.B.pg. no. 29 , 30		Write information of any one animal that lives in our surrounding.
		Hard words from lesson (N.B.)	Step 13 - Tr. will write hard words from lesson on B.B. Students will write in their NB & learn the words.	Writing and learning			Tx. Bk. Pg. no. 18			
		Revision	Step 14 - Tr. Will revise the lesson orally.	Tr. & students interaction						
		Revision	Step 15 - Tr. Will give them Worksheet to solve in the class.	Worksheet Solving	Worksheet					
		Class test	Step 16 - Tr. Will conduct the class test	Class test writing in N.B.						
5	Our Body	Introduction	Step 1 - Tr. Will show them different things to recognise different functions of our sense organse. & will take their response for the same. Step 2 - Tr. Will show them different functions of our sense organs on video.		Students will come to know about the difference between internal organ and external organ.	Taste : food items (lemon , sugar , salt) Smell : different flowers. Touch : rough or hard things Listen: sound making toy.	classr00m			https://www.youtube.com/watch?v=CJEZtPGXABw
		Text book:- Reading by Tr. & students	Step 3 - Tr. Will read the lesson & make them read. Tr. Will explain the topic.	Reading by Tr. & students, Explanation.			classr00m	Tx.bk.pg.no.23, 24 , 25 ,26 ,27 , 28		To observe the things which explain us functions of our sense organs.

6	Our Food	Introduction	Step 1- Tr. Will ask students to bring healthy food in the class. Step 2 - Tr. Will discuss healthy & junk food with them & write the names on the B.B.	tr. & students interaction	Students will come to know about the benefits of healthy foods.	Healthy food (Dal , rice , vegetables)	classroom			1- Preparing healthy meal chart.
		Introduction by showing AV	Step 3 - Tr. Will show them Nutritional healthy eating Educational video.	Observation & learning		https://www.youtube.com/watch?v=O0T3EP4NEpl	classroom			
		Text book:- Reading by Tr. & students	Step 4 - Tr. Will read the lesson & make them read. Tr. Will explain the topic.	Reading by Tr. & students, Explanation.			classroom	Tx.bk.pg.no.33 ,34 , 35 , 36 ,37 ,38		2- Stick pictures of healthy & junk food in N.B.
		To bring different types of grains in school. (project)	Step 5 - Tr. Will ask them to bring at least 5 types of grain by sticking on charts.	Grains Observation	Different types of grains	Different types of grains	classroom			3- Grain bringing activity
		W.B. Exercises : Find out about food. 1- Know yourgrains. 2- Visit the market. 3- What you eat. 4- Things I ate cooked.	Step 6 - Tr. Will take the names of some cereals , some pulses , vegetables they saw in market , fruits they saw in market. Will write on the B.B. & make them write in the W.B. Step 7 - Tr. Will ask them 1-Which things they eat cooked? 2-Which things they eat raw? Will write the names of food items on B.B. & make them write in W.B.	Discussion & writing			classroom	W.B. pg. no. 41 , 42		
		W.B. Exercises :- Name & darw	Step 8 - Tr. Will Draw the pictures of different colour vegetable & their favourite fruits on the B.B. & make them draw in W.B.	Discussion , writing & drawing		Pictures of Green leafy & Non leafy vegetables ,	classroom	W.B. pg. no. 42, 43 , 44		
		W.B. Exercises:- Short questions. What same What different.	Step 9 - Tr. Will discuss Q.A. & similarity & differences between some food items with them & will write on the B.B. & Will make them write answers in W.B.	Discussion & writing			classroom	W.B. pg. no. 44 , 45 , 46		
		W.B. Exercises:- Play with words. My questions.	Step 10 - Tr. Will help them solving Match the pair. Step 11 - Tr. Will write Q.A. on B.B. & make them write in W.B.	Discussion & writing			classroom	W.B. pg. no. 47		
		Oral discussion	Step 12 - Tr. Will discuss importance of fruits , vegetables & grains & will take their responses.	Oral discussion			classroom			Role play (Each students will give information about any one food item.)

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9	How many,how much?	Introduction	Step -1- Tr. Will bring different measuring instruments in the class . Step -2- Tr. Will ask them to measure different things present in the class (table , B.B. , chair , height of their friends etc.) Step -3- Tr. Will explain them the recipe of dosa.	Learning by doing.	Students will come to know about the concept of measurement.	Different measuring instruments.	Science lab			Measuring different things.
		Explanation by showing video	Step -4- Tr. Will Show them video to measure different objects.	Learning by observing.		Videos	AV room			
		Measuring different things at home.	Step -5- Tr. Will give them project to measure different things in market with the help of their parents & bring measurement in the class.	Learning by doing.			classroom			2- To measure different things in the market . (cloth , vegetables , milk , fruits , etc.)
		Text book: Reading by Tr. & students	Step-6- Tr. Will read the lesson & will explain them given topics. Step -7 - Tr. Will make the students read the lesson one by one.	Reading by Tr. & students, Explanation.			classroom	Tx. Bk pg no.53 , 54 , 55, 56 , 57 , 58 , 59 ,60 , 61		
		W. B. Exercises: 1- Write a recipe. (Write the recipe at home)	Step - 8 - Tr. Will explain them the recipe of dosa. Take one cup of flour , Put half spoon of salt , 1 cup of rice flour, half a cup of chana flour , 2 chillies , 1 chopped onion , half spoon turmuric powder , 2 spoons of cumin powder . Make a better by adding water to it. Mix & make dosas on tava.	Learning by observation.		Dosa batter and ingredients required for dosa making.	lunch area	W.B. pg. no. 59		3- Dosa making activity.
		W.B. Exercises: 2- Look for numbers. 3- How heavy is it?	Step- 6 Tr. Will ask them questions. 1- ON which things you see numbers written on them? 2- How heavy your school bag is? 3- What you used to make balance? What will you use to weight things? like peanuts , chana , corn , button eraser. Step - 7 Tr. will take their answers, write on B.B. & will make them to write in W. B. Step 8 Tr. will draw the picture of balance & make them draw in W.B.	Discussion & writing			classroom	W.B. pg. no. 59 , 60		4- Drawing the picture of digital & pan balance in the W.B.

		W.B. Exercises: 4- How much water does bucket hold? 5- Which jar is bigger?	Step - 8- Tr. Will discuss number of mugs of water will use to fill a big & a small bucket. Step - 9- Tr. Will draw the picture of jars from tallest to shertest & shortest to tallest on B.B. & will make them to draw in the W.B.	Discussion , writing & drawing		5- Drawing the pictures of jars In W.B.	classroom	W.B. pg. no. 61, 62		
		W.B. Exercises: 6- Tick -tick counting.	Step - 10 - Tr. Will play passing the duster with students & will count the number of tick-ticks duster reach the last student. Tr. Will make them write the answer in W.B.	Play way method			classroom	W.B. pg.no. 62		6- Playing thegame of passing the duster game.
		W.B. Exercises: Name & Draw	Step - 11 - Tr. Will draw the pictures of pan balance , digital balance & clock & will tell them to draw in W.B.	Drawing				W.B. pg. no. 63		7- Drawing the pictures of Pan balnace , digital balance & clock in W.B.
		W.B. Exercises : Short Questions.	Step- 12- Tr. Will discuss Q.A. with students & will write answers on B.B. & will make them write correct answers in W.B.	Discussion & writing			classroom	W.B. pg.no. 63 , 64 , 65 , 66		
		Hard words from lesson (N.B.)	Step - 13- Tr. will write hard words from lesson on B.B. Students will write in their NB & learn the words.	Writing and learning			classroom	Tx.bk. Pg.no. 59		
		Revision	Step - 14- Tr. Will recap the lesson orally.	Tr. & students interaction						
10		Introduction	Step 1- Tr. Will ask students to measure the height of each other. Distance of B.B. from door with hand span , foot & measuring tape ,length of B.B. , height of table , chair.	Learning by doing.	Students will come to know the concept of length,breadth and height and how to measure various things .	Different measuring instruments.	classroom			1- Measuring the distance, height & length of pirticular place, table , chair , B.B. , Friends.
		Text book:- Reading by Tr. & students	Step 2 - Tr. Will read & explain the lesson. Step 3 - Tr. Will make students to read the lesson one by one.	Reading by Tr. & students, Explanation.			classroom	Tx. Bk. Pg.no. 64 , 65 ,66 , 67		

		W.B. Exercises:- 1- Growing taller. 2- Tall & short. 3-Measure with your body. 4- Measure with other things.	Step 4- Tr. Will mark their heights on the wall & will observe how tall they are? Step 5 - Tr. Will make them write the names who is the tallest & shortest student in the class. Step 6 - Tr. Will make them write which things we can measure with our hand, fingers, foot etc.	Discussion & writing			classroom	W.B. pg. no. 68 , 69		
		W.B. Exercises:- 5- How many letters in your name?	Step 7 - Tr. Will write the names of all the students in the class on B.B. Step 8 - Tr. Will discuss shortest name, longest name, 5 letters name, common length of name, length of name no student in the class. Will make them write in W.B.	Discussion & writing			classroom	W.B. pg. no. 70 , 71		
		W.B. Exercise:- 6- Copy the shapes	Step 9 - Tr. Will help them in counting & drawing the shape on the dots In W.B.	Count & draw		Math lab equipemensts	Math lab	W.B. pg. no. 72, 73		2- Count & draw the shapes.
		W.B. Exercise: 7- Paper boat. 8-The way to school.	Step 10 - Tr. Will help students to make paper boats by using different size papers. Step 11 - Tr. Will ask students to draw few things which they see on the way while coming to the school In W.B. Step 12 - Tr. Will make them write the names of things in the W.B.	Cutting & drawing		craft papers.	classroom	W.B. pg. no. 74 , 75		3- Making paper boats. 4- Drawing the picture to show how you go from home to school.
		W.B. Exercises : Count . Short questions.	Step 13 - Tr. Will help students to count the squares & write correct number In W.B. Step 14- Tr. Will discuss Q.A. with them ,will write the answers on the B.B. & make them write answers in W.B.	Discussion & writing		Math lab equipemensts	Math lab	W. B. pg. no. 76 , 77		
		W.B. Exercises:- Play with words . Figure it out.	Step 15 - Tr. Will discuss & make them to solve match the opposites. Step 16 - Tr. Will explain & make them write in W.B. How Appu & Mini will measure the height of a building?	Discussion & writing		Math lab equipemensts	Math lab	W.B. pg. no. 78		
		Hard words from lesson (N.B.)	Step - 17 Tr. will write hard words from lesson on B.B. Students will write in their NB & learn the words.	Writing and learning				Tx. Bk.pg.no. 69		
		Revision	Step 18 - Tr. Will recap the lesson orally .	Tr. & students interaction			classroom			
		Revision	Step 19 -Tr. Will give them Worksheet to solve in the class.	Worksheet Solving	Worksheet		classroom			
		Class test	Step 20 - Tr. Will conduct test on the lesson in N.B.	Class test in N.B.			classroom			

Unit Test - II Portion Chapter 8 , 9 & 10										
11		Introduction	Step 1- Tr. Will introduce the topic by Showing the chart & asking them about their own house. Tr. questions :1-How do you feel in your own house ? 2- What facilities you have in your house? Step 2 - Students will answer the questions. 3- Have you seen animals homes? 4- Which animals you have seen living in their own house?	Oral discussion	Studnts will come to know about the differeent measuring units. https://www.youtube.com/watch?v=ZISBEuSZ5o (animal houses Video)	AV room				1- Making different types of houses. (project to make houses models of animals , birds , human)
		Introduction by showing AV	Step 3- Tr. Will show them AV to Observe different types of houses made by people as well as animals.	Learning by observation.	https://www.youtube.com/watch?v=-casfzsV8p4 (human houses)	AV room				
		Textbook : Reading by Tr.& students	Step 4 - Tr. Will read & Explain the lesson. Step 5 - Tr. Will make students to read the lesson one by one.	Reading by Tr. & students, Explanation.				Tx.bk pg. no. 73 , 74 , 75 ,76 , 77 , 78		
		W.B. Exercises : 1- Make a nest. 2- Homes inside your home. 3- What your classroom is made of.	Step 6 - Tr. Will draw the picture of the nest we found on the B.B. & will make them to draw in W.B. Step 7 - Tr. Will ask question. 1- Which animals make their house in your homes? Step 8 - Tr. Will write answer on the B.B. & make them to write in W.B. Step 9 - Tr.Will discuss What your classroom is made of? Will make them to write answer in W.B.	Discusion , writing & drawing		classroom	W.B. pg. no. 81,82			2- Drawing the nest of birds in the W.B.

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12	Make your own house	Introduction	Step 1 - Tr. Will take students to the school garden will ask them to observe the mud. 1-Rub the dry mud on your palm. 2- smell th edry mud. 3-See the colour of the dry mud. 4-How the mud looks , feels & smells 5- rub the wet mud on the palm. 6-Smell the wet mud. 7- See the colour of wet mud.	Learning by observation.	Students will come to know about the different materials used for building houses.	Soil sample	Visit to school garden			1- Observing wet & dry mud found in the garden.
		Explanation by showing video	Step 2 - Tr. Will Show them video How to make the bricks?	Learning by observation.		https://www.youtube.com/watch?v=ddMRD0MGIGg	AV room			2- Field visit to Bricks plant
		Text book: Reading by Tr. & students	Step 3 - Tr. Will read & explain the lesson. Step 4 - Tr. Will make them read the lesson one by one.	Reading by Tr. & students, Explanation.			classroom	Tx. Bk. Pg. no. 81 , 82 , 83 ,84		
		W.B. Exercises: 1-Different kinds of mud.	Step 5 - Tr. Will discuss the observation of mud done in garden & will write the correct answers on B.B. make them write the answers in W.B.	Discussion & writing			classroom	W.B. pg. no. 91,92		
		W.B. Exercises: 2-Let's make a brick. 3- Do & think.	Step 6 - Tr. Will discuss & ask them questions. 1- Which mud they will take to make bricks? 2-Where they will found the mud? Step 7 - Tr. Will make them write correct answers in W.B. Step 8 - Tr. Will ask them question. 1- Why do we need mould to make a brick? Step 9 - Tr. will write answer on B.B. & will make them write in W.B.	Discussion & writing			classroom	W.B. pg. no. 92 , 93		3- Brick making project by using garden mud.

		W.B. Exercises : 4- How strong are your bricks?	Step 10 - Tr. Will discuss the topic & will write answers on B.B. & make them write correct answers in W.B.	Discussion & writing			classroom	W.B. pg.no. 93 , 94		
		W.B. Exercises: 5- Build a wall 6- Build a house	Step 11 - Tr. Will draw the picture of brick wall & a house on the B.B. & make them draw in W.B. Step 12 - Tr. Will discuss the parts of the house they made & What it is made of? Will make them write in W.B.	Drawing & writing			classroom	W.B. pg. no. 94 , 95 , 96		4- Drawing the picture of a brick wall & a house made by students.
		W.B. Exercises : Count ! Name & Draw	Step 13 - Tr. Will discuss to count & write different numbers using their bricks. & Will ask them to write the numbers in W.B. Step 14 - Tr. Will draw one brick , a brick wall , different kinds of houses & tools used by a mason on B.B. & will make them draw in the W.B.	Discussion , drawing & writing			classroom	W.B. pg. no. 96 , 97		5- Drawing the pictures of one brick , a brick wall , different kinds of houses (bungalow , building , hut , their own house) , tools used by a mason
		W.B. Exercises: What same ? What different?	Step 15 - Tr. Will discuss similarity & differences with students , will write answers on the B.B. & will make them write the answers in W.B.	Discussion & writing			classroom	W.B. pg. no. 98 , 99		
		W.B. Exercises: Talk & write . Ask & find out. Figure it out Ask a question.	Step 16 - Tr. Will discuss . 1- How the building bricks made? 2- What materials are used in building a brick wall? Tr. Will discuss the answers with them & make them write in the W.B.	Discussion & writing			classroom	W.B. pg. no. 99 , 100		
		Hard words from lesson (N.B.)	Step - 17 - Tr. will write hard words from lesson on B.B. Students will write in their N.B. & learn the words.	Writing and learning			classroom	Tx.bk.pg.no. 85		
		Revision	Step 18 - Tr. Will revise the lesson orally.	Tr. & students interaction						