

TWINKLE JUNIOR SCHOOL

P.4 SCIENCE SCHEME OF WORK

TERM TWO 2024

TERM II 2024

WK	PD	THEME	TOPIC	SUB-TOPIC	SUBJECT COMPETENCES	LANGUAGE COMPETENCES	CONTENT	ACTIVITIES	METHODS	AVA	LIFE SKILLS	REF	REM
1		Holiday work Completion of term one work			Reading and writing corrections		HOLIDAY WORK	Drawing diagrams Writing corrections	Group discussion Guided discovery				
2	1	HUMAN HEALTH	Our food	Food	<ul style="list-style-type: none"> The learner; Describes sources of food Describes the different ways people get food Discusses the importance of food in the body 	<ul style="list-style-type: none"> Tells stories (oral) how people get food in different locations/areas. Writes short notes about the uses and importance of food to the people 	<ul style="list-style-type: none"> What food is Where food is got from Ways people get food Why we eat food (5Hs) Uses of food in the body 	<ul style="list-style-type: none"> Telling stories about the different ways people get food. 	<ul style="list-style-type: none"> Group discussions Demonstrations 	<ul style="list-style-type: none"> Local food store Garden tools 	<ul style="list-style-type: none"> Creative thinking Effective communication Decision making 	Primary Four Science Syllabus pg. 11 Fountain Scie. Bk 4 Comprehensive Bk 4	
	2	HUMAN HEALTH	Our food	Classes of food	Identifies classes of food Identifies the values of food from the mentioned classes Describes the uses of food values to the body	Names the classes of food Writes and spells the words correctly Writes short notes about the classes and values of food	CLASSES OF FOOD <ul style="list-style-type: none"> <u>Carbohydrates</u> <u>Proteins, fats & oils</u> <u>Vitamins,</u> <u>Water, roughages</u> <u>Sources of proteins</u> 	Naming different food stuffs Grouping food stuffs	Discussion Guided discovery	Posho Beans Millet Oranges Apples	Creative thinking Decision making	P.4 Scie syllabus Fountain Scie. Bk 4 Comprehensive Bk 4	
	3	HUMAN HEALTH	Our food	Classes of food	Identifies classes of food -Identifies the values of food from the mentioned classes -Describes the uses of food values to the	Names the classes of food Writes and spells the words correctly Writes short notes about the classes and values of food	<ul style="list-style-type: none"> Carbohydrates and vitamins. Their sources. Their uses in the body. 	Naming different food stuffs Grouping food stuffs	Discussion Guided discovery	Posho Beans Millet Oranges Apples	Creative thinking Decision making	P.4 Scie syllabus Fountain Scie. Bk 4 Comprehensive Bk 4	

					body								
4 And 5	HUMAN HEALTH	Our food	Classes of food	Identifies classes of food -Identifies the values of food from the mentioned classes -Describes the uses of food values to the body	Names the classes of food Writes and spells the words correctly Writes short notes about the classes and values of food	<ul style="list-style-type: none"> • Types of vitamins • Their sources • Importance • Their deficiencies 	Naming different food stuffs Grouping food stuffs	Discussion Guided discovery	Beans Millet Oranges Apples	Creative thinking Decision making	P.4 Scie syllabus Fountain Scie. Bk 4 Comprehensive Bk 4		

	6	HUMAN HEALTH	Our food	Classes of food	Identifies classes of food -Identifies the values of food from the mentioned classes -Describes the uses of food values to the body	Names the classes of food Writes and spells the words correctly Writes short notes about the classes and values of food	<ul style="list-style-type: none"> • Fats and oils • Their sources and use • Mineral salts • Their examples and uses 	Naming different food stuffs Grouping food stuffs	Discussion Guided discovery	Beans Millet Oranges Apples	Creative thinking Decision making	P.4 Scie syllabus Fountain Scie. Bk 4 Comprehensive Bk 4	
	7	HUMAN HEALTH	OUR FOOD	Balanced diet	Briefly explain a balanced diet List down components of a balanced diet.	Write down names of different dishes	BALANCED DIET <ul style="list-style-type: none"> • Meaning • Components of a balanced diet • Uses of water in the body • 	Sorting food stuffs	Explanations Experiments Discussions	Oranges Drinking water Fish eggs	Creative thinking Critical thinking	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4	
3	1	HUMAN HEALTH	OUR FOOD	Balanced diet	Briefly explain a balanced diet List down components of a balanced diet.	Write down names of different dishes	<ul style="list-style-type: none"> • Roughages or fibre • Meaning • Uses of roughage in the body. • Sources of roughage 	Sorting food stuffs	Explanations Experiments Discussions	Oranges Drinking water Fish eggs	Creative thinking Critical thinking	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4	

2	HUMAN HEALTH	Our food	Deficiency diseases	List examples of deficiency diseases Suggest the signs and symptoms of deficiencies	Writes short sentences about deficiency diseases Pronounce different words correctly	DEFICIENCY DISEASES <ul style="list-style-type: none"> • Meaning and causes of deficiency • Kwashiorkor • Marasmus • Their signs and symptoms. • Control measures. 	Listing examples of deficiency diseases Describing signs and symptoms of diseases	Group discussion Guided discovery	Text books Chart showing signs of some deficiency diseases	Effective communication Critical thinking Empathy	Fountain Scie. Bk 4 Comprehensive Bk 4
3	HUMAN HEALTH	Our food	Deficiency diseases	List examples of deficiency diseases Suggest the signs and symptoms of deficiencies	Writes short sentences about deficiency diseases Pronounce different words correctly	DEFICIENCY DISEASES <ul style="list-style-type: none"> • Anaemia • Goitre • Their signs and symptoms. • Control measures. 	Listing examples of deficiency diseases Describing signs and symptoms of diseases	Group discussion Guided discovery	Text books Chart showing signs of some deficiency diseases	Effective communication Critical thinking Empathy	Fountain Scie Bk 4 MK Integrated Scie Bk 4
4	HUMAN HEALTH	OUR FOOD	Food handling	Identify ways of proper handling food	Recites rhymes about proper handling of food	HANDLING OF FOOD <ul style="list-style-type: none"> • Proper handling of food • Bad ways of food handling 	Describing ways of handling food	Demonstration Discussion	Clean plates Clean sauce pans		MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4
5	HUMAN HEALTH	OUR FOOD	Food contamination	<ul style="list-style-type: none"> • Suggest ways food gets contaminated. • Give ways of preventing food contamination 	<ul style="list-style-type: none"> • Writes notes about food contamination 	Food contamination <ul style="list-style-type: none"> • Meaning • Ways food gets contaminated. • Dangers of food contamination. • Prevention of food contamination. 	<ul style="list-style-type: none"> • Washing utensils • Washing hands before handling food. 	<ul style="list-style-type: none"> • Guided discovery • Group discussion 	<ul style="list-style-type: none"> • Cups • Plates • Sauce pans 	<ul style="list-style-type: none"> • Empathy • Creative thinking 	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4

	6	HUMAN HEALTH	OUR FOOD	Eating habits	<ul style="list-style-type: none"> Give examples of good and bad eating habits. 	<ul style="list-style-type: none"> Reads short sentences about eating habits 	EATING HABITS <ul style="list-style-type: none"> Good eating habits. Bad eating habits Dangers of bad eating habits 	<ul style="list-style-type: none"> Eating food Washing hands 	<ul style="list-style-type: none"> Demonstration Explanation 	Pop corns	Decision making Empathy	Fountain Scie. Bk 4 Comprehensive Bk 4	
	7	HUMAN HEALTH	OUR FOOD	Food preservation	List down methods of preserving food	<ul style="list-style-type: none"> Writes methods of food preservation 	Food preservation <ul style="list-style-type: none"> Meaning Why people preserve food Methods of preserving food Methods of preparing food 	<ul style="list-style-type: none"> Drying food under the sun Preparing simple dishes 	<ul style="list-style-type: none"> Demonstration 	<ul style="list-style-type: none"> Maize Beans Bananas 	<ul style="list-style-type: none"> Critical thinking Decision making 	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4	

WK	PD	THEME	TOPIC	SUB-TOPIC	SUBJECT COMPETENCES	LANGUAGE COMPETENCES	CONTENT	ACTIVITIES	METHODS	AVA	LIFE SKILLS	REF	REM
4	1	HUMAN HEALTH	OUR FOOD	Food security	<ul style="list-style-type: none"> Give the importance of food security. 	Write and read importance of food security.	FOOD SECURITY <ul style="list-style-type: none"> Meaning Importance of food security <ul style="list-style-type: none"> Topical questions 	<ul style="list-style-type: none"> Answering simple questions 	<ul style="list-style-type: none"> Explanations 	<ul style="list-style-type: none"> Maize Millet 	<ul style="list-style-type: none"> Creative thinking 	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4	

2 And 3	HUMAN BODY	HUMAN BODY ORGANS	Body organs	<ul style="list-style-type: none"> • Lists the major body organs. 	<ul style="list-style-type: none"> • Reads and writes names of body organs. 	<p><u>MAJOR ORGANS OF THE BODY</u></p> <p><u>Examples of body organs</u></p> <ul style="list-style-type: none"> • Eyes • Nose • Ears • Stomach • Brain • Skin • Liver • Lungs • Heart • Kidney • Urinary bladder 	<ul style="list-style-type: none"> • Drawing body and showing the position of the brain. 	<ul style="list-style-type: none"> • Group discussion 	Chart showing body organs	Self esteem Self awareness	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4
4	HUMAN BODY	HUMAN BODY ORGANS	Brain	<ul style="list-style-type: none"> • State the function of the brain. 	<ul style="list-style-type: none"> • Reads and writes names of body organs. 	<p><u>BRAIN</u></p> <ul style="list-style-type: none"> • Location in the head. • Functions of the brain • Brain disorders • Brain diseases • Keeping brain healthy 	<ul style="list-style-type: none"> • Drawing body and showing the position of the brain. 	<ul style="list-style-type: none"> • Group discussion 	Chart showing body organs	Self esteem Self awareness	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4
5	HUMAN BODY	HUMAN BODY ORGANS	Stomach	<ul style="list-style-type: none"> • Suggest ways of keeping the stomach healthy. 	<ul style="list-style-type: none"> • Pronounce s the name of body organs. 	<p><u>STOMACH</u></p> <ul style="list-style-type: none"> • Location in the body • Functions of the stomach • Disorders of the stomach • Diseases of the stomach • Keeping the stomach healthy 	<ul style="list-style-type: none"> • Labeling the major body organs. 	<ul style="list-style-type: none"> • Guided discovery 	Chart showing body organs	<ul style="list-style-type: none"> • Decision making • Self esteem 	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4
6	HUMAN BODY	HUMAN BODY ORGANS	Eyes	<ul style="list-style-type: none"> • List down diseases of eyes. 	<ul style="list-style-type: none"> • Writes and reads short sentences about functions of body organs. 	<p><u>EYES</u></p> <ul style="list-style-type: none"> • Location in the body • Functions of eyes • Disorders of eyes 	<ul style="list-style-type: none"> • Writing notes 	<ul style="list-style-type: none"> • Discussion 	Chart showing body organs	<ul style="list-style-type: none"> • Self esteem • Self awareness 	Introduction to biology Fountain Scie. Bk 4 Comprehensive

							<ul style="list-style-type: none"> • Diseases of eyes • Keeping eyes healthy 					Bk 4	
	7	HUMAN BODY	HUMAN BODY ORGANS	Ears	<ul style="list-style-type: none"> • State the functions of ears. 		<u>EARS</u> <ul style="list-style-type: none"> • Location in the body • Function of ears • Disorders of ears • Diseases of ears • Keeping ears healthy 	<ul style="list-style-type: none"> • Listening to sounds 	<ul style="list-style-type: none"> • Demonstration 	Chart showing body organs	<ul style="list-style-type: none"> • Creative thinking • Self esteem 	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	

5	1	HUMAN BODY	HUMAN BODY ORGANS	Liver	<ul style="list-style-type: none"> • Give the function of the liver. 	<ul style="list-style-type: none"> • Writes notes about the functions of the liver. 	<u>LIVER</u> <ul style="list-style-type: none"> • Location in the body • Functions of the liver • Disorders of the liver • Keeping the liver healthy 	<ul style="list-style-type: none"> • Answering questions about the liver. 	<ul style="list-style-type: none"> • Group discussion 	Chart showing body organs	<ul style="list-style-type: none"> • Self esteem • Self awareness 	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	
	2 And 3	HUMAN BODY	HUMAN BODY ORGANS	Kidneys	<ul style="list-style-type: none"> • State the location of the kidneys in the body. 	<ul style="list-style-type: none"> • Reads and answers simple questions about functions of kidneys. 	<u>KIDNEYS AND THE URINARY BLADDER</u> <ul style="list-style-type: none"> • Location in the body • Functions of the kidneys • Disorders of the kidneys. • Diseases of the kidneys • Keeping kidneys healthy 	<ul style="list-style-type: none"> • Draw the human body and showing positions of the kidneys. 	<ul style="list-style-type: none"> • Experimentation 	Chart showing body organs	<ul style="list-style-type: none"> • Creative thinking • Self esteem. 	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	
	4	HUMAN BODY	HUMAN BODY	Nose	<ul style="list-style-type: none"> • Suggest ways of 	<ul style="list-style-type: none"> • Names the body 	<u>NOSE</u> <ul style="list-style-type: none"> • Location in the 	<ul style="list-style-type: none"> • Breathing in and 	<ul style="list-style-type: none"> • Demonstration 	Chart showing	<ul style="list-style-type: none"> • Critical thinking. 	MK Integrated Scie Bk 4	

			ORGANS		keeping the nose healthy.	organs in local language and in English	body <ul style="list-style-type: none"> • Functions of nose • Disorders of nose • Diseases of nose • Keeping the nose healthy 	out	<ul style="list-style-type: none"> • Guided discovery 	body organs	<ul style="list-style-type: none"> • Self awareness. 	Fountain Scie. Bk 4 Comprehensive Bk 4	
5	HUMAN BODY	HUMAN BODY ORGANS	Lungs	<ul style="list-style-type: none"> • Mention diseases of lungs 	<ul style="list-style-type: none"> • Reads and writes diseases of lungs 	LUNGS <ul style="list-style-type: none"> • Location in the body • Function of lungs • Disorders of lungs • Diseases of lungs • Keeping lungs healthy 	<ul style="list-style-type: none"> • Breathing in and out. 	<ul style="list-style-type: none"> • Discussion 	Chart showing body organs	<ul style="list-style-type: none"> • Self awareness • Self esteem 	MK Integra-ted Scie Bk Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4		
6	HUMAN BODY	HUMAN BODY ORGANS	The heart	<ul style="list-style-type: none"> • Give the function of the heart 	<ul style="list-style-type: none"> • Reads and writes diseases of the heart 	THE HEART <ul style="list-style-type: none"> • Location in the body • Function of heart • Disorders of heart • Diseases of the heart 	<ul style="list-style-type: none"> • Running and feeling the heart 	<ul style="list-style-type: none"> • Discussion 	Chart showing body organs	<ul style="list-style-type: none"> • Critical thinking • Self awareness 	Fountain Scie. Bk 4 Comprehensive Bk 4		

7	HUMAN BODY	HUMAN BODY ORGANS	Respiration	<ul style="list-style-type: none"> • List down respiratory organs 	<ul style="list-style-type: none"> • Writes and reads short sentences 	RESPIRATION <ul style="list-style-type: none"> • Meaning • Respiratory organs • The process of respiration • Importance of respiration 	<ul style="list-style-type: none"> • Reading text books • Writing notes 	<ul style="list-style-type: none"> • Group discussion • Guided discovery 	Chart showing body organs	<ul style="list-style-type: none"> • Decision making • Self esteem • Self awareness 	Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	
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MID TERM EXAMS

7	1	HUMAN BODY	HUMAN BODY ORGANS	Blood circulation	<ul style="list-style-type: none"> State the meaning of blood circulation. 	<ul style="list-style-type: none"> Pronounces the word circulation 	<p><u>BLOOD CIRCULATION</u></p> <ul style="list-style-type: none"> Meaning Organs of blood circulation The process of blood circulation Importance of blood circulation 	<ul style="list-style-type: none"> Reading text books Writing notes. 	<ul style="list-style-type: none"> Group discussion Guided discovered. 	Chart showing body organs	<ul style="list-style-type: none"> Decision making Self esteem Self awareness 	<p>Introduction to biology</p> <p>Fountain Scie. Bk 4</p> <p>Comprehensive Bk 4</p>
	2	HUMAN BODY	HUMAN BODY ORGANS	Excretion	<ul style="list-style-type: none"> Give the respiratory products 	<ul style="list-style-type: none"> Spells and writes excretory organs 	<p><u>EXCRETION (skin)</u></p> <ul style="list-style-type: none"> Meaning Excretory organs Process of excretion Importance of excretion Use of the skin Diseases of the skin Care for the skin. 	<ul style="list-style-type: none"> Answering question 	<ul style="list-style-type: none"> Explanation Group discussion 	Chart showing body organs	<ul style="list-style-type: none"> Creative thinking Self awareness 	<p>Introduction to biology</p> <p>Fountain Scie. Bk 4</p> <p>Comprehensive Bk 4</p>
	3	HUMAN BODY	TEETH	Sets of teeth	<ul style="list-style-type: none"> Identify sets of teeth 	<ul style="list-style-type: none"> Reads and writes words about oral health 	<p><u>SETS OF TEETH</u></p> <ul style="list-style-type: none"> Milk teeth Permanent teeth Dental formula for humans 	<ul style="list-style-type: none"> Drawing teeth 	<ul style="list-style-type: none"> Experimentation Guided discovery 	Teeth	<ul style="list-style-type: none"> Self awareness 	<p>MK Integra-ted Scie Bk 4</p> <p>Fountain Scie. Bk 4</p> <p>Comprehensive Bk 4</p>

	4 And 5	HUMAN BODY	TEETH	Types of teeth	<ul style="list-style-type: none"> • Describes the types of teeth 	<ul style="list-style-type: none"> • Draws different types of teeth. 	<u>TYPES OF TEETH</u> <ul style="list-style-type: none"> • Canine, molar, pre-molar, incisor • Functions of each • Adaptation of each tooth. 	<ul style="list-style-type: none"> • Matching different teeth 	<ul style="list-style-type: none"> • Experimentation • Guided discovery 	Teeth	<ul style="list-style-type: none"> • Self esteem • Self awareness 	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4	
	6	HUMAN BODY	TEETH	The structure of a tooth	<ul style="list-style-type: none"> • State the possible ways of caring for our teeth. 	<ul style="list-style-type: none"> • Draws and names parts of a tooth. 	<u>STRUCTURE OF A TOOTH</u> <ul style="list-style-type: none"> • Parts of a tooth 	<ul style="list-style-type: none"> • Drawing types of teeth 	<ul style="list-style-type: none"> • Demonstration • Experimentation 	Chart showing parts a tooth	<ul style="list-style-type: none"> • Critical thinking • Creative thinking 	MK integrated Scie Bk 4 Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	
	7	HUMAN BODY	TEETH	The structure of a tooth	<ul style="list-style-type: none"> • State the possible ways of caring for our teeth. 	<ul style="list-style-type: none"> • Draws and names parts of a tooth. 	<u>Functions of the parts.</u> <ul style="list-style-type: none"> • Enamel • Dentine • Pulp cavity. • Blood capillaries. 	<ul style="list-style-type: none"> • Drawing types of teeth 	<ul style="list-style-type: none"> • Demonstration • Experimentation 	Chart showing parts a tooth	<ul style="list-style-type: none"> • Critical thinking • Creative thinking 	MK integrated Scie Bk 4 Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	
8	1 And 2	HUMAN BODY	TEETH	The structure of a tooth	<ul style="list-style-type: none"> • State the possible ways of caring for our teeth. 	<ul style="list-style-type: none"> • Draws and names parts of a tooth. 	Care for teeth <ul style="list-style-type: none"> • Disorders of teeth • Diseases of teeth 	<ul style="list-style-type: none"> • Drawing types of teeth 	<ul style="list-style-type: none"> • Demonstration • Experimentation 	Chart showing parts a tooth	<ul style="list-style-type: none"> • Critical thinking • Creative thinking 	MK integrated Scie Bk 4 Introduction to biology Fountain Scie. Bk 4 Comprehensive Bk 4	

3	HUMAN HEALTH	Sanitation	Proper sanitation	<ul style="list-style-type: none"> Suggest ways of promoting good sanitation 	<ul style="list-style-type: none"> Reads and writes sentences on good sanitation 	SANITATION <ul style="list-style-type: none"> Meaning Importance of good sanitation Items used to promote sanitation Things found in a clean healthy home Ways of promoting good sanitation. 	<ul style="list-style-type: none"> Sweeping compound Picking rubbish Burning rubbish 	<ul style="list-style-type: none"> Demonstration Group discussion Nature walk 	Brooms Match box Dust bins	<ul style="list-style-type: none"> Effective communication Problem solving 	Fountain Scie Bk 4 MK integrated Scie Bk 4 & 3 Comprehensive Bk 4
4	HUMAN HEALTH	Sanitation	Germs and diseases	<ul style="list-style-type: none"> Briefly explain germs 	<ul style="list-style-type: none"> Reads and writes types of germs 	GERMS AND DISEASES <ul style="list-style-type: none"> Meaning of germs Examples of germs Where germs are found Spread of germs. 	<ul style="list-style-type: none"> Picking rubbish 	<ul style="list-style-type: none"> Group discussions Guided discovery 	Dust bins Brooms Food	<ul style="list-style-type: none"> Decision making Self awareness 	Fountain Scie Bk 4 Comprehensive Bk 4
5	HUMAN HEALTH	Sanitation	Germs and diseases	<ul style="list-style-type: none"> Briefly explain germs 	<ul style="list-style-type: none"> Reads and writes types of germs 	THE 4 F S CONTROL OF THE SPREAD OF GERMS.	<ul style="list-style-type: none"> Picking rubbish 	<ul style="list-style-type: none"> Group discussions Guided discovery 	Dust bins Brooms Food	<ul style="list-style-type: none"> Decision making Self awareness 	Fountain Scie Bk 4 Comprehensive Bk 4
6	HUMAN HEALTH	Sanitation	Rotting	<ul style="list-style-type: none"> Explain how rotting takes place 	<ul style="list-style-type: none"> Reading and writing sentences 	ROTTING <ul style="list-style-type: none"> How it takes place Uses of rotting Dangers of rotting 	<ul style="list-style-type: none"> Collecting rubbish 	<ul style="list-style-type: none"> Experimentation 	Rubbish Water Left over food	<ul style="list-style-type: none"> Effective communication Creative thinking 	MK Integrated Scie Bk 4 Fountain Scie. Bk 4 Comprehensive Bk 4
7	HUMAN HEALTH	SANITATION	Diseases caused by germs	<ul style="list-style-type: none"> List down some diseases caused by germs. 	<ul style="list-style-type: none"> Reading and writing diseases. 	DISEASES CAUSED BY GERMS <ul style="list-style-type: none"> Eye diseases Intestinal diseases Skin diseases 	<ul style="list-style-type: none"> Reading text books 	<ul style="list-style-type: none"> Group discussion 	Text books	<ul style="list-style-type: none"> Critical thinking Self esteem 	Fountain Scie Bk 4 Comprehensive Bk 4

							<ul style="list-style-type: none">• Respiratory diseases• Disease and their vectors.						
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REVISION BEGINS