P.5 INTEGRATED SCIENCE SCHEME OF WORK TERM II

| WK | PD | THEME | TOPIC | SUB – TOPIC | SUBJECT COMPETENCES | LANGUAGE COMPETENCES | CONTENT | MTDS | LIFE SKILLS & VALUES | ACTS | T/ L AIDS | REF | REM |
|----|----|-------|-------|----------------|---|---|---|-----------------------------|---|---|---------------------------------------|-----------------------|-----|
| 1 | 1 | The | soil | soil | The Learners; - Defines soil - States the importanc e of soil - Gives the importanc e of soil to crops - States organisms that live in soil | Learner; reads, spells, pronounces, describes and uses key words in the sentences correctly ceramics - pottery - aeration | - Soil - Description of soil - Importance of soil to crops - Importance of soil to man - Organisms in the soil - Methods of soil formation - Composition /parts of soil | Qn and answer (tech) | Skills Effective communication l.e. Fluency Audibility accuracy | Reciting and describing key words (content) | Samples of soil the local environment | Baroque bks pgs 61-63 | |

| | 2 | Enviro nment | soil | Compo nents of soil | - State the importanc e of each soil - Performs experimen ts to show that soil contains air, water and humus | - Decompose/ rot or decay - dissolve | importance of each part of soil (componen ts) importance of humus in the soil how humus is formed importance of water in the soil description of air importance of air in the soil | Guided discover y | Value I.e. Concern Care Responsibility Doing written exercise | Taking note | Mk bks Pgs 165-169 | |
|---|---|-----------------|------|---------------------------|--|--|--|-------------------------|---|---|-----------------------------------|--|
| 2 | 1 | | | practica Is | | | Practicals An experiment to show that soil contains air An experiment to show that soil contains water An experiment to show that soil contains humus | demons | | Perform ing experim ents on each compon ent of soil | Integrated sci guide upper pgs 72 | |

| 2 | 2 | | | Types of soil | State each type of soil Give the properties of each type of soil Identifies the uses of each type of soil | - Drained - Aeration - capillarity | types of soil description of soil structure types of soils as clay, loam and sandy soil properties of loam soil arrangemen t of particles in loam soil | | | - | | | |
|---|---|------------------|------|--|--|--|--|-------------------|---|--|------------------------------------|-----------------------------------|--|
| 2 | 3 | The enviro nment | soil | Properti es and uses of each type of soil | The learner; - States the properties of clay and sandy soil - Gives the uses of clay and sandy soil | Learners; reads, spells -drained -aerated -capillarity | Uses of loam soil Properties of clay soil Arrangemen t of particles in sandy soil Uses of sandy soil | | Skills Effective communication I.efluency -audibility | - Nature walks around the environ ment. | Samples of soil | Integrated sci bk upper pgs 74-75 | |
| | 4 | The enviro nment | soil | Soil profile | Describes soil profile Draws a well labeled structure of soil profile States why top soil is good for crop growing | - Gravel - Bed rock - Parent rock - | soil profile description of soil profile structure of soil profile why top soil is suitable for crop growth pieces where we can see a soil profile | demons tration | Values -care -concern | - perform ing experim ent on soil drainag e and capillari ty | -water Funnewls -cotton wool | -baroque bk pg 64 | |

| 5 | The enviro nment | soil | Soil drainag e and soil capillari ty | Describes soil drainage Describes soil capillarity | practicals | - | Practicals Soil drainage Description of soil drainage An experiment on soil drainage Soil capillarity Description of soil capillarity An experiment on soil capillarity | observat | | llking otes | Mk bks pgs 169-170 | |
|---|------------------|------|---|---|---------------------|---|---|----------|--|----------------|--------------------|--|
| 6 | | | Soil exhaust ion | describes exhaustionstate the causes of soil exhaustion | - Bare - massive | | soil exhaustion description of soil soil exhaustion description of soil leaching causes of soil leaching | | | | | |

| 3 | 1 | The enviro nment | soil | - Soil erosio n excursio n | The leaner; -Describes soil erosion -States the agents and causes of soil erosion -Gives the types of soil erosion - Gives the ways of controlling soil erosion | The learner; reads, spells, describes key words correctly Gullies Deregatation nills | Soil erosion -description of soil erosion -Agents of soil erosion -Causes of soil erosion -Dangers of soil erosion -Types of soil erosion -Description of each type of erosion -Ways of controlling soil erosion Note; excursion on erosion — Kitete- ham Mukasa valley | observat ion | - value - ie - response - care | Excursion on erosion | -local environment | -baroque <u>bk</u> pgs 88-91 | |
|---|---|------------------|------|--|---|--|---|-------------------------|--|---|-------------------------------|------------------------------|--|
| | 2 | The enviro nment | soil | Soil conserv ation and fertility | - describes soil conservation and fertility - states ways of maintaining soil conservation and fertility | - terraces - mulch | Soil conservation -Description of soil conservation Ways of maintaining soil conservation. Soil fertility -Description of soil fertility -Methods of maintaining soil conservation | Guided discover y | Skills -effective communication I.efluency -accuracy | - Taking notes - writing - written exercise | -pictures of erosion in books | Mk bks pgs 188-189 | |

| 3 | The | soil | Fertilize | - states the | - | Fertilizers | | - | 6 |
|------|--------|----------|-----------|----------------|---|-----------------|--|---|--------------------------------|
| | enviro | 33 | rs | types of | | -Description of | | | Integrated sci upper pgs 78-79 |
| | nment | | (natural | fertilizer | | fertility | | | 3 78 |
| | | | fertilize | - describes | | -Types of | | | bga |
| | | | rs) | each type | | fertilizers | | | er |
| | | | , | of fertilizers | | -Description of | | | ddr |
| | | | | - gives | | natural | | | ici (|
| | | | | examples of | | fertilizers | | | s pa |
| | | | | fertilizers | | -Examples of | | | ate |
| | | | | - gives | | national | | | egr |
| | | | | advantages | | fertilizers | | | lut |
| | | | | and | | -Advantages of | | | |
| | | | | disadvantag | | natural | | | |
| | | | | es of | | fertilizers | | | |
| | | | | natural | | -Disadvantages | | | |
| | | | | fertilizers | | of natural | | | |
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| 3 | 4 | The | | Fertilize | The Learner; | The Learner; | Artificial | Qn and | Skills | - | ப் | s _: | |
|---|---|--------|------|-----------|---------------|----------------|------------------|----------|-------------|------------|---------------------|---------------------------|--|
| | & | enviro | soil | rs(artifi | - Describes | reads, spells, | fertilizers | answer(t | -fluency | demonst | ent | 76- | |
| | 5 | nment | | cial) | artificial | describes and | Description of | ech) | -confidence | ration | E . | oks 93 | |
| | | | | , | fertilizers | uses key words | artificial | | | methods | <u>.</u> | e l | |
| | | | | | - States | in sentences | fertilizers | | | of | N. | odi | |
| | | | | | types of | correctly | Types of | | | applying | -local environment. | Baroque bks pgs 93-94. | |
| | | | | | artificial | -pesticides | artificial | | | fertilizer | <u>0</u> | _ | |
| | | | | | fertilizers | -pollution | fertilisers | | | S | ' | | |
| | | | | | - Gives | P | Explanation of | | | | | | |
| | | | | | examples | | straight | | | | | | |
| | | | | | of artificial | | fertilizers and | | | | | | |
| | | | | | fertilizers | | their examples | | | | | | |
| | | | | | - State | | Description of | | | | | | |
| | | | | | advantages | | compound | | | Taking | | | |
| | | | | | of artificial | | fertilizers and | | | notes | | | |
| | | | | | fertilise | | their examples | | | | | | |
| | | | | | - Gives | | Advantages and | | | Doing | | | |
| | | | | | methods of | | disadvantages | | | written | | | |
| | | | | | applying | | of artificial | | | exercise | | | |
| | | | | | fertilizers | | fertilizers | | | | | | |
| | | | | | - Identifies | | Methods of | | Values | | | | |
| | | | | | harmful | | applying | | -concern | Nature | | | |
| | | | | | materials | | fertilizers | | -care | walk to | | | |
| | | | | | and their | | -dsesription of | | -respect | pick | | | |
| | | | | | effect in | | each method | | | those | | | |
| | | | | | the soil | | above | | | harmful | | | |
| | | | | | | | Harmful | | | material | | | |
| | | | | | | | materials in the | Guided | | S | | | |
| | | | | | | | soil | discover | | | | | |
| | | | | | | | -description of | У | | | | | |
| | | | | | | | harmful | demons | | Describi | | | |
| | | | | | | | materials | tration | | ng key | | | |
| | | | | | | | -examples of | | | words | | | |
| | | | | | | | harmful | | | | | | |
| | | | | | | | material in the | | | | | | |
| | | | | | | | soil | | | | | | |
| | | | | | | | -effects of | | | | | | |
| | | | | | | | harmful | | | | | | |
| | | | | | | | materials in the | | | | | | |
| | | | | | | | soil | | | | | | |
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| <u>3</u> | 6 | Matter | Heat | matter | describes | Topic 2 | Matter and | | - | | • | |
| 4 | & | And | | | matter | -molecules | energy | | | | | |
| | 1 | energy | energ | | -states the | -atom | Matter | | | | | |
| | | | у | | properties | -cohesion | -description | | | | | |
| | | | | | and state | -adhesion | of matter | | | | | |
| | | | | | of matter | | -Properties | | | | | |
| | | | | | -gives the | | of matter | | | | | |
| | | | | | properties | | States of | | | | | |
| | | | | | of matter | | matter | | | | | |
| | | | | | -Draws the | | Solid state | | | | | |
| | | | | | arrangeme | | -properties | | | | | |
| | | | | | nt of | | of a solid | | | | | |
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| | | | | | molecules | | | | | | | |
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| | | | | | state | | Arrangemen | | | | | |
| | | | | | | | t of | | | | | |
| | | | | | | | molecules | | | | | |
| | | | | | | | -examples of | | | | | |
| | | | | | | | solids | | | | | |
| | | | | | | | Liquid state | | | | | |
| | | | | | | | -properties | | | | | |
| | | | | | | | of a liquid | | | | | |
| | | | | | | | arrangemen | | | | | |
| | | | | | | | t of | | | | | |
| | | | | | | | molecules | | | | | |
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| 4 | 2 | matter | Heat | Fertilize | The Learner; | The Learner; | | In a liquid | Guided | | - Describi | s × | e | |
|---|---|--------|-------|-----------|---------------|----------------|---|-------------|----------|-------------|------------|---------------------------------------|-----------------|---|
| | | | energ | rs(artifi | - Describes | reads, spells, | | Example of | discover | | ng key | -candles Match box | Bks pgs 106-107 | |
| | | | у | cial) | artificial | describes and | | liquids | у | | words | car tch | arc .06 | |
| | | | | | fertilizers | uses key words | - | Description | | Skills | -taking | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | B 83 1 | |
| | | | | | - States | in sentences | | and | | -confidence | notes | | gd s | |
| | | | | | types of | correctly | | examples of | | - Fluency | | | 器 | |
| | | | | | artificial | -pesticides | | viscous | | -audibility | | | | |
| | | | | | fertilizers | -pollution | | liquids | | , | | | | |
| | | | | | - Gives | | | Pressure in | | | | | | |
| | | | | | examples | | | liquids | | | | | | |
| | | | | | of artificial | | | Gas state | | | | | | |
| | | | | | fertilizers | | | -properties | | | | | | |
| | | | | | - State | | | of a gas | | | | | | |
| | | | | | advantages | | | -molecular | | | | | | |
| | | | | | of artificial | | | arrangemen | | | | | | |
| | | | | | fertilize | | | t in a gas | | | | | | |
| | | | | | - Gives | | | -Examples | | | | | | |
| | | | | | methods of | | | of gases | | | | | | |
| | | | | | applying | | | | | | | | | |
| | | | | | fertilizers | | | | | | | | | |
| | | | | | - Identifies | | | | | | | | | |
| | | | | | harmful | | | | | | | | | |
| | | | | | materials | | | | | | | | | |
| | | | | | and their | | | | | | | | | |
| | | | | | effect in | | | | | | | | | |
| | | | | | the soil | | | | | | | | | |
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| 3 | And energy | Change s of state of matter | - Recites the changes of state of matter - Identifies the processes taking place during each change of state - Describe each process above | - Vapour - Condense - Freeze - Melt - Sublimine - steam | Changes of states of matter -arrangement of states of matter -description of each change of state Description of each process during the change of state Illustration of each process above Boiling and freezing points of water on both scales | Qn and answer(t ech) | Values -respect -Care -concern | - doing written exercise | -mk bks pgs 102-104 | |
|---|------------|--------------------------------------|--|---|---|----------------------------|--------------------------------|--------------------------------|---------------------|--|
| 4 | | Heat | - describes heat - states sources of heat as natural and artificial - gives the uses of heat energy - states the effects of heat on matter | - temperature - calonmeter | Heat -description of heat - Instruments for measuring heat energy - Natural sources of heat -Artificial sources of heat -Uses of heat energy -Effects of heat on matter -Danger of heat | observat | | | | |

| 5 | Matter and energy | Heat energ y | Heat transfer (conduc tion) practica I | The leaner, - describes heat transfer - states the methods of heat transfer - describes each process of heat transfer - illustrates each method of heat transfer | The learner, Reads,specks,de scribes, pronounce key words -solid -melts | heat transfer -description of heat transfer -methods of heat transfer Conduction practicals -description of conduction -How conduction takes place -an experiment on conduction -uses of each component of the above experiment -application/ importance of conduction | demons | Values le -care -Concern responsibility | -Visit to the kitchen Performing experiment on conduction and convection Taking notes Doing written exercise | -candles -match box -nail | Baroque bk5 pgs 112-116 | |
|---|-------------------------|--------------------|---|--|---|--|---|---|---|---------------------------|-------------------------|--|
| 6 | Matter and energy | Heat energ y | Heat transfer (convec tion) practica I | - describes convection - describes how convection takes place in liquids and gases - states the application of convection | - denser - less dense - convection current | Convection practicals -description of convection -how convection takes place in liquids and gases -an experiment on convection in gases -importance/ application of convection | Observa tion Qn and answer(t ech) | Skills -friendship Formation le -sharing -working in groups | - | | | |

| E | 1 | | | Heat | -describes | -radiant | Radiation- | | | | | |
|---|---|----------|-------|----------|----------------|------------------|-----------------|----------|----------|---|---|--|
| 5 | 1 | | | | | | | _ | | | | |
| | | | | transfer | radiation | -vacuum | practicals | | | | | |
| | | | | (radiati | -describes | -space | -description of | | | | | |
| | | | | on) | how radiation | -medium | radiation | | | | | |
| | | | | practica | occurs | | -how radiation | | | | | |
| | | | | I | -states the | | takes place | | | | | |
| | | | | | importance of | | -(examples of | | | | | |
| | | | | | radiation | | radiation in | | | | | |
| | | | | | | | nature) | | | | | |
| | | | | | | | Application / | | | | | |
| | | | | | | | importance of | | | | | |
| | | | | | | | radiation | | | | | |
| | | | | | | | -speed of | | | | | |
| | | | | | | | heat(compariso | | | | | |
| | | | | | | | n of heat | | | | | |
| | | | | | | | transfer) | | | | | |
| 5 | 2 | Matter | Heat | Insulato | The learner, | The learner | Conductors | Guided | Values | | | |
| | | And | energ | rs and | -defines | reads,spells,des | -description of | discover | -care | 1 | | |
| | | energy | у | conduct | conductors of | cribes key words | conductors | у | -concern | | | |
| | | . | • | ors of | heat | correctly | -examples of | , | | | | |
| | | | | heat | -gives | -conduct | conductors | | | | | |
| | | | | (practic | examples of | -insulate | -best conductor | | | | | |
| | | | | al) | conductor | | of heat | | | | | |
| | | | | ' | State the best | | Insulator | | | | | |
| | | | | | conductor of | | -description of | | | | | |
| | | | | | heat | | insulators | | | | | |
| | | | | | -describes | | -examples of | | | | | |
| | | | | | insulators | | insulators | | | | | |
| | | | | | -identifies | | -application of | | | | | |
| | | | | | examples of | | conductors and | | | | | |
| | | | | | insulators | | insulators | | | | | |
| | | | | | -states the | | insulators | | | | | |
| | | | | | application of | | | | | | | |
| | | | | | conductors | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | and insulator | | | | | | | |
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| 3 & 4 | Matter And energy | Heat energ y | Heat reflecto r and absorbe r | -describes heat reflectors and absorbers -gives examples of heat reflectors and absorbers -gives application of reflectors and absorbers of heat -describes the thermos/vacu um flask -draw a well labelled thermos flask -states the function of all parts of a thermos flask | -heat loss -heat gain | Heat reflectors -description of heat reflectors -examples of heat absorbers -description of heat absorbers -examples of heat absorbers -examples of heat absorbers -application of heat reflector and absorbers Thermos flask(real object) -description of thermos flask -uses of each part of a thermos flask -importance of thermos flask | Experim entation Qn and answer(t ech) | Skills Friendship formation le -sharing -working in groups | Hanging wet black and white handker chief Assembling a thermos flask and studying each part | -white handkerchief and black one A thermos flask | |
|-------|-------------------------|--------------------|---|--|-----------------------------------|---|--|--|---|--|--|
| 5 | | | Expansi on and contract ion | -describe expansion and contraction -performs an experiment on expansion | - Practical on expansion in gases | Expansion - description of expansion -description of contraction Structure showing expansion in solid -an experiment on expansion of gases -application of a bimetallic strip | | | | | |

| 5 | 6 | Matter | heat | Effects on expansi on and contract ion | The learner, -describes the importance of gaps in a soda bottle and railway line -state the importance of sagging wires btn poles and | The learner, Reads, spells, describes key words -bursting -compensation | Effects of expansion and contraction -Importance of gaps in soda and beer bottles -Importance of gaps in | Guided discover y | Skills -effective communication le -accuracy -audibility Valuesie -care -concern | -describing key statement Taking notes Doing written exercise | Baroque bks pgs 117-118 | • | |
|---|---|--------|------|---|---|---|--|-------------------------|---|---|-------------------------|---|--|
| | | | | | the current ends (compensator s) on pipe line | | railway lines -Importance of sagging wires btn electric and telephone poles -importance of curved ends (compensator s) in pipe lines | inquiry | -responsibility | | | | |

| 7 | 1 | And | Heat | temper | -defines | -mercury | Temperature | I_ | 1 - | | | |
|---|----------|----------|----------|--------|-----------------|----------------|------------------|----|-----|--|---|--|
| ′ | 1 | energy | and | ature | temperature | -sterilisation | -description of | | _ | | 1 | |
| | | Chergy | energ | atuic | -state the | -opaque | temperature | | | | | |
| | | | y | | units and | Opaque | -units and | | | | | |
| | | | , | | instrument for | | instrument for | | | | | |
| | | | | | temperature | | measuring | | | | | |
| | | | | | -gives types of | | temperature | | | | | |
| | | | | | thermometers | | scales | | | | | |
| | | | | | thermometers | | -types of | | | | | |
| | | | | | | | thermometers | | | | | |
| | | | | | | | The clinical | | | | | |
| | | | | | | | thermometer | | | | | |
| | | | | | | | -description and | | | | | |
| | | | | | | | importance of a | | | | | |
| | & | | | | | | clinical | | | | | |
| | <u> </u> | | | | | | thermometer | | | | | |
| | | | | | | | -functions of | | | | | |
| | | | | | | | each part of a | | | | | |
| | | | | | | | clinical | | | | | |
| | | | | | | | thermometer | | | | | |
| | | | | | | | -places where a | | | | | |
| | | | | | | | clinicial | | | | | |
| | | | | | | | thermometer is | | | | | |
| | | | | | | | placed in the | | | | | |
| | | | | | | | body | | | | | |
| | | | | | | | -the normal | | | | | |
| | | | | | | | body | | | | | |
| | 2 | | | | | | temperature | | | | | |
| | _ | | | | | | -liquids used in | | | | | |
| | | | | | | | the clinical | | | | | |
| | | | | | | | thermometer | | | | | |
| | | | | | | | -why mercury is | | | | | |
| | | | | | | | used | | | | | |
| | | <u> </u> | <u> </u> | | | <u> </u> | asca | | | | | |

| 7 | 3 | Matter | Heat | Temper | The learner, | The learner, | -Advantages of | | Skills | Evaluating | S e | |
|---|---|--------|-------|----------|-----------------|------------------|------------------|-----------|-----------------|------------|-----------------|--|
| | | And | energ | ature | -gives | reads,spells,des | alcohol over | -guided | -problem | facts | -baroque Bks | |
| | | energy | у | | advantages of | cribes key words | mercury | discover | solving | | aro | |
| | | | * | | alcohol over | , | -disadvantages | у | l.e. | - | <u>م</u> ا | |
| | | | | | mercury | | of alcohol in | ' | -Evaluating | performing | | |
| | | | | | -States the dis | | thermometers | | facts | experiment | | |
| | | | | | advantages of | | -why water is | | -Finding | on burning | | |
| | | | | | alcohol in | | not used I n | | different ways | 0 | | |
| | | | | | thermometer | | thermometer | | of doing things | | | |
| | | | | | -gives reasons | | -description and | 4 | -making choice | | | |
| | | | | | why water is | | structure of the | | | | | |
| | | | | | not used in | | six's | | -values | | | |
| | | | | | thermometer | | thermometer | | i.e. | | | |
| | | | | | -describes and | | | | -Concern | | | |
| | | | | | draws the | | | | -Responsibility | -copying | | |
| | | | | | six's | | | | , | notes | | |
| | | | | | thermometer | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | -answering | | |
| | | | | | | | | | | written | | |
| | | | | | | | | | | exercise | | |
| | 4 | Matter | Heat | Convers | -states and | - | Conversions in | | | | | |
| | | And | energ | ions in | recites the | | temperature | | | | 1 | |
| | | energy | у | temper | formula for | | a) From | - | | | | |
| | | | | ature | changing | | degrees | demons | | | | |
| | | | | (from 0f | temperature | | Fahren | n tration | | | | |
| | | | | to 0c) | -works out | | eit to | | | | | |
| | | | | | problem | | degrees | ; | | | | |
| | | | | | involving | | Celsius | | | | | |
| | | | | | temperature | | (from 0 | f | | | | |
| | | | | | changes(from | | to 0c) | | | | | |
| | | | | | Of to Oc) | | b) From | | | | | |
| | | | | | | | degree | | | | | |
| | | | | | | | Celsius | | | | | |
| | | | | | | | to | | | | | |
| | | | | | | | degrees | | | | | |
| | | | | | | | Fahren | 1 | | | | |
| | | | | | | | eit | | | | | |
| | | | | | | | (from 0 | С | | | | |
| | | | | | | | to 0f) | | | | | |

| | 5 | Matter | Heat | Burning | -describes | -combustion | Burning | | | | | | |
|---------------|---|--------|-------|----------|-----------------|----------------|-------------------|----------|-----------------|------------|-----------|------|--|
| | | And | energ | practica | what burning | -reaction | -description of | | | | | | |
| | | energy | у | I | is | reaction | burning | | | | | | |
| | | | , | | -perform | | -experiments on | | | | | | |
| | | | | | experiments | | burning i.e. a) a | | | | | | |
| | | | | | on burning | | candle with a | | | | | | |
| | | | | | -states ways | | glass. | | | | | | |
| | | | | | of putting out | | b) a candle, | | | | | | |
| | | | | | petrol fire and | | glass and a | | | | | | |
| | | | | | fires | | water container | | | | | | |
| | | | | | 63 | | -zones of fire | | | | | | |
| | | | | | | | flames | | | | | | |
| | | | | | | | -ways of putting | | | | | | |
| | | | | | | | out fires and | | | | | | |
| | | | | | | | petrol fires | | | | | | |
| | | | | | | | F 50. 0 | | | | | | |
| 7 | 6 | Matter | Heat | Rusting | The learner, | The learner, | Rusting | | | | | _ | |
| <u>7</u> 8 | & | And | energ | practica | -describes | Reads, spells, | -description of | | Skills | | | baro | |
| | 1 | energy | у | | rusting | describes key | rusting | | -problem | | | que | |
| | _ | | * | | -states | words | -description of | | solving | Performing | | bks | |
| | | | | | condition for | -enameling | rust | | i.e. | experiment | | pg | |
| | | | | | rusting | -galvanising | -condition for | observat | -talking a | on rusting | | 104- | |
| | | | | | -gives the | | rusting | ion | decision | | | 105 | |
| | | | | | similarities | | -similarities btn | | -making | | | | |
| | | | | | btn rusting | | rusting and | | choices | | | | |
| | | | | | and burning | | burning | | | | | | |
| | | | | | -performs an | | -an experiment | | | | | | |
| | | | | | experiment | | on rusting | | | - | | | |
| | | | | | on rusting | | -advantages of | | Values | performing | | | |
| | | | | | -gives | | rusting | | -care | experiment | -funnels | | |
| | | | | | advantages of | | -disadvantages | | -concern | on | -magnets | | |
| | | | | | rusting and its | | of rusting | | -responsibility | separation | -salt | | |
| | | | | | dis | | -control of | | , | of mixture | -charcoal | | |
| | | | | | advantages | | rusting | | | -taking | stone | | |
| | | | | | -states the | | | | | notes | | | |
| | | | | | ways of | | | | | | _ | | |
| | | | | | controlling | | | | | | | | |
| | | | | | rusting | | | | | | | | |
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| L | 1 | | l | 1 | l | | l | <u> </u> | 1 | i | l . | 1 | |

| 8 | 2 | Matter | Heat | Mixture | -describes a | -dissolves | Mixtures | | | | | - | |
|---|----------|---------------|-------|----------|-------------------------|---------------------------------|--------------------------|----------|---------------|-------------|--------------|---|--|
| | | And | energ | S | mixture | -solute | -description of | | | | | | |
| | | energy | у | practica | -states | -solvent | mixtures | | | | | | |
| | | | | i | examples of | -filtrate | -examples of | | | | | | |
| | | | | | mixtures | -residue | mixtures | | | | | | |
| | | | | | -performs | | -an experiments | | | | | | |
| | | | | | experiments | | on separation of | | | | | | |
| | | | | | on separation | | mixtures | | | | | | |
| | | | | | of mixtures | | a)decanting | | | | | | |
| | | | | | | | b)filtration | | | | | | |
| | | | | | | | c)boing to | | | | | | |
| | | | | | | | dryness(salt | | | | | | |
| | | | | | | | from a solution) | | | | | | |
| | | | | | | | d)hand picking | | | | | | |
| | | | | | | | e)floatation | | | | | | |
| | | | | | | | f) use of a | | | | | | |
| | | | | | | | magnet | | | | | | |
| | | | | | | | | | | | | | |
| | 3 | Matter | Heat | energy | -describes | -possess | energy | | | | | - | |
| | | And | energ | | energy | -gravity | -description of | | | | | | |
| | | energy | У | | -gives types of | | energy | | | | | | |
| | | | | | energy | | -types of energy | | | | | | |
| | | | | | -describes and | | -description and | | | | | | |
| | | | | | gives | | examples of | | | | | | |
| | | | | | examples of | | kinetic energy | | | | | | |
| | | | | | each type of | | -description and | | | | | | |
| | | | | | energy | | examples of | | | | | | |
| | | | | | | | potential energy | | | | | | |
| | | | | | | | -energy | | | | | | |
| | | | | | | | intervensions | | | | | | |
| | | | | | | | experiment. | | | | | | |
| | | | | | | | practical | | | | | | |
| 0 | 4 | Mattar | Hest | foress | The leaves | The leaves | Forese | | | | | | |
| 8 | 4 & | Matter And | Heat | forces | The learner, -describes | The learner, | Forces -description of a | | | | | - | |
| | 5 | | energ | | what a force | -reads spells, describes key | force | | | | | | |
| | 3 | energy | У | | is | words correctly | -examples of | | | | | | |
| | | | | | -states | -motion | forces | | | | | | |
| | | | | | examples of | -streamling | -description of | Guided | -effective | | -chalk | | |
| | | | | | forces | Ju Canning | friction | discover | communication | | board | | |
| | | | | | -describes | | -advantages of | | -fluency | -describing | illustration | | |
| | | | | | each type of | | friction | У | -nuchcy | key | וועטנומנוטוו | | |
| | <u> </u> | | | | each type of | | писноп | | | NEY | | | |

| | | | | | force -gives advantages disadvantages of friction -states ways of reducing and increasing friction -describes each type of inertia | | -dis advantages of friction -how to increase friction -how to reduce friction -description of inertia -types of inertia -description of each type of inertia -description of up thrust or buoyancy force | Qn and answer | Values -care -concern | -taking notes | | | |
|---|---|----------------------------|---------------------------|----------|---|---|--|-------------------------|---|--|---------------------------------|---|--|
| 8 | 6 | The world of living things | Bacter ia and fungi | bacteria | The learner, -describes bacteria -identifies places where bacteria are found -gives the conditions for bacteria to reproduce -draws the structure of bacteria | The learner, Reads, spells, describes key words -binary -fission -microscope -flagellum | Bacteria -description of bacteria -places where bacteria stay -conditions needed for bacteria to reproduce (means and structure) -structure of a bacterium | Guided discover y | Skills -decision making i.erefusal -giving instruction Values -care -concern | Describing key words (statement) -taking notes | -chalk board illustration | Baro que bks pgs 135- 139 Mk bk5 Pgs 260- 262 | |

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| | | | | diseases caused by fungi | fungi -dangers of fungi -diseases caused by fungi | inquirin g | Values -care -concern | | 2 |
|---|----------------------------|---------------------------|--------|---|--|---------------|-----------------------------|---|--|
| 4 | The world of living things | Bacter ia and fungi | mushro | -describes a mushroom i.ehow it reproduces and feeds -draws a well labelled structure of mushroom -states the similarities btn fungi and bacteria -gives differences btn fungi and bacteria | The mushroom -description of mushroom i.e. i) where it grows from ii) its reproduction iii) its feeding -structure of a mushroom -functions of each part of a mushroom -importance of a mushroom -similarities btn a fungi and bacteria -differences btn | | | P | om ore sks egs 4- 3 //k sks egs 66- 67 |
| | | | | btn fungi and | -similarities btn a fungi and bacteria | | | | |