MINISTRY OF GENERAL EDUCATION
SOUTHERN PROVINCE
SCHEMES OF WORK

SUBJECT: INT-SCIENCE

GRADE: 7 **TERM**: 1 **YEAR**: 2022

WEEK	TOPIC/CONTENT	GENERAL OUTCOMES	METHODS	T/L RESOURCES	REFERENCE
1	**Plants and Animals** • The flower	• Develop investigative skills about plants and animals • Demonstrate an understanding of the basic facts about plants and animals	• Discussing • Discovering • Demonstration • Group work • Field trip	• Charts showing the flower	• Syllabus p.50 • Longman Integrated science grade 7 pupils' books. P. 66-69
2	• Pollination and fertilization in flowering plants	• Develop investigative skills about plants and animals • Demonstrate an understanding of the basic facts about plants and animals	• Discussing • Discovering • Demonstration • Group work • Field trip	• Charts showing the flower • Actual different types of flowers and plants	• Syllabus p.50 • Longman Integrated science grade 7 pupils' books. P.70-75
3	• Fruits and seeds • Seed dispersal	• Develop investigative skills about plants and animals • Demonstrate an understanding of the basic facts about plants and animals	• Discussing • Discovering • Demonstration • Group work • Field trip	• Charts showing the flower • Chart showing seed dispersal • Bean pods	• Syllabus p.51 Longman Integrated science grade 7 pupils' books. P.76-81
4		• Develop investigative		• Chart	• Syllabus p.51

	• Propagation • Assessment (End of topic)	skills about plants and animals • Demonstrate an understanding of the basic facts about plants and animals	• Discussing • Discovering • Demonstration • Group work • Field trip	showing propagation from cuttings • Actual stems of plants	Longman Integrated science grade 7 pupils' books. P.82-86
5	**The human body** • The Digestive System	• Demonstrate an understanding of the basic facts about the human body •	• Discussing • Discovering • Demonstration • Group work	• Chart showing the human digestive system • Model of digestive organs	• Syllabus p.47 Longman Integrated science grade 7 pupils' books. P 6-8
6	**The human body** • The Digestive System	• Demonstrate an understanding of the basic facts about the human body • Assessment: End of topic	• Discussing • Discovering • Demonstration • Group work	• Chart showing the human digestive system • Model of digestive organs	• Syllabus p.47 Longman Integrated science grade 7 pupils' books. P 9-17
7	**Health** • Diseases • Assessment : mid-term test **MIDTERM TEST**	• Recognize the importance of personal health • Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment	• Discussing • Discovering • Demonstration • Group work • Field trip	• Chart showing different disease • Nearest healthy center	• Syllabus p.48 Longman Integrated science grade 7 pupils' books. P 19-31

8	• Fruits • Assessment: end of topic	• Recognize the importance of personal health • Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment	• Discussing • Discovering • Demonstration • Group work	• Chart showing different types of fruits • Actual fruits • Flowers	• Syllabus p.48 Longman Integrated science grade 7 pupils' books. P 32-39
9	**The Environment** • Separating substances	• Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment • Develop investigative skills about the immediate environment	• Discussing • Discovering • Demonstration • Group work	• Charts showing methods of separating substances • Beaker • Measuring cylinder • Funnel • Filter paper • Sand • Water • Clamp stand • Magnet • Iron fillings	• Syllabus p.49 Longman Integrated science grade 7 pupils' books. P 41-50
10	• Water supply system	• Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment	• Discussing • Discovering • Demonstration • Group work	• Charts showing sources water • Well • Dam • Rivers	• Syllabus p.49 Longman Integrated science grade 7 pupils' books. P 51-56

		• Develop investigative skills about the immediate environment		• Taps • Bore holes	
11	• Water supply system • **Assessment:** End of topic	• Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment Develop investigative skills about the immediate environment	• Discussing • Discovering • Demonstration • Group work • Field trip	• Chart showing water treatment plant • Chlorine	• Syllabus p.49 Longman Integrated science grade 7 pupils' books. P 57-62
12	End of term Test	• Material covered in term one	• Question set at school level	• Schemes of work • Pupils books • Past papers	• Syllabus
13	• Testing • Marking • compiling	• Material covered in term one	• Question set at school level	• Schemes of work • Pupils books • Past papers	• Syllabus

NB: FOR MIDTERM , TESTTWO SUBJECTS PER DAY AND TEACH THE OTHER SUBJECTS THAT APPEAR ON THE TIME TABLE THAT DAY.

MINISTRY OF GENERAL EDUCATION
SOUTHERN PROVINCE
SCHEMES OF WORK

SUBJECT: INT-SCIENCE

GRADE: 7**TERM**: 2 **YEAR**: 2022

WEEK	TOPIC/CONTENT	GENERAL OUTCOMES	METHODS	T/L RESOURCES	REFERENCE
1	**Materials and energy** • Energy	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Cells • Battery • Shovel • Charts	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 89-92
2	• Energy	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate	• Discussing • Discovering • Demonstration • Group work	• Cells • Battery • Shovel • Charts	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 93-

		investigative skills about materials and energy	• Explanation		95
3	• Electric current and Circuits	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Battery/cell • Shovel • Charts • Bulb	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 96-100
4	• Electric current and Circuits	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Battery/cell • Shovel • Charts • bulb	• Syllabus p.50 • Longman Integrated science grade 7 pupils' books. P. 101-105
5	• Lightning	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Chart showing lightening across the sky • Structure of an atom	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 106-108
6	• Lightning	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Chart showing lightening across the sky Structure of an atom	• Syllabus p.50 • Longman Integrated science grade 7 pupils' books. P. 109-112
7	• The solar system	• Develop knowledge,	• Discussing	• The chart	• Syllabus p.52

	• Assessment (midterm test) • • • **MIDTERM TEST**	values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discovering • Demonstration • Group work • Explanation	showing the solar system • Torch	• Longman Integrated science grade 7 pupils' books. P.129-134
8	• The solar system	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• The chart showing the solar system • Torch	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 135-142
9	• Metals and non metals	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Copper wire • Charcoal • Plastic cord • Piece of chalk	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 113-117
10	• Mining	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Sample of minerals • Jewels • Ornaments • Pots and utensils	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 118-128
11	**Revision** • Energy	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Cells • Battery • Shovel charts	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P.

					89-92
12	• End of termTest	• Material covered in term two	• Question set at district level	• Schemes of work • Pupils books • Papers	• Syllabus
13	• Testing • Marking • compiling	• Material covered in term two	• Question set at district level	• Schemes of work • Pupils books Papers	• Syllabus

NB: FOR MIDTERM , TESTTWO SUBJECTS PER DAY AND TEACH THE OTHER SUBJECTS THAT APPEAR ON THE TIME TABLE THAT DAY.

MINISTRY OF GENERAL EDUCATION
SOUTHERN PROVINCE
SCHEMES OF WORK

SUBJECT: INT - SCIENC

GRADE: 7**TERM**: 3 **YEAR**: 2022

WEEK	TOPIC/CONTENT	GENERAL OUTCOMES	METHODS	T/L RESOURCES	REFERENCE
1	**Plants and Animals** • The flower	• Develop investigative skills about plants and	• Discussing • Discovering • Demonstration	• Charts showing the flower	• Syllabus p.50 • Longman Integrated

	• Special paper 1	animals • Demonstrate an understanding of the basic facts about plants and animals	• Group work • Field trip	• Past papers	science grade 7 pupils' books. P. 66-69
2	**The human body** • The Digestive System	• Demonstrate an understanding of the basic facts about the human body	• Discussing • Discovering • Demonstration • Group work	• Chart showing the human digestive system • Model of digestive organs • Past papers	• Syllabus p.47 Longman Integrated science grade 7 pupils' books. P 6-17
3	**The Environment** • Separating substances	• Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment • Develop investigative skills about the immediate environment	• Discussing • Discovering • Demonstration • Group work	• Chart showing method of separating substances • Beaker • Measuring cylinder • Funnel • Filter paper • Sand • Water • Clamp stand • Magnet • Iron fillings • Past papers	• Syllabus p.49 Longman Integrated science grade 7 pupils' books. P 41-50
4	• The solar system	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• The chart showing the solar system • Torch • Past papers	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 135-142

5	• Electric current and Circuits	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Battery/cell • Shovel • Charts • Bulb • Past papers	• Syllabus p.50 • Longman Integrated science grade 7 pupils' books. P. 101-105
6	• Mining	• Develop knowledge, values and positive attitudes about materials and energy • Demonstrate investigative skills about materials and energy	• Discussing • Discovering • Demonstration • Group work • Explanation	• Sample of minerals • Jewels • Ornaments • Pots and utensils • Past papers	• Syllabus p.52 • Longman Integrated science grade 7 pupils' books. P. 118-128
7	• Orientations • Preparation for final exam	• Develop interest, courage and positive attitude towards the final exam	• Group work • Explanation	• Answer sheets	• Syllabus •
8	• **Final Exam**	•	•	•	•