SCIENCES DEPARTMENT
SCHEMES OF WORK

FORM TWO PHYSICS SCHEMES OF WORK
SUBJECT: PHYSICS
TERM 1 – 2025
GENERAL OBJECTIVES

By the end of the year the learner should be able to:

1) select and use appropriate instruments to carry out measurements in the physical environment;
2) use the knowledge acquired to discover and explain the order of the physical environment;
3) use the acquired knowledge in the conservation and management of the environment;
4) apply the principles of Physics and acquired skills to construct appropriate scientific devices from the available resources;
5) develop capacity for critical thinking in solving problems in any situation;
6) contribute to the technological and industrial development of the nation;
7) appreciate and explain the role of Physics in promoting health in society;
8) observe general safety precautions in all aspects of life;
9) acquire and demonstrate a sense of honesty and high integrity in all aspects of Physics and life in general;
11) acquire positive attitude towards Physics;
10) acquire adequate knowledge in Physics for further education and/or training.

REFERENCES:

1. Secondary Physics KLB
2. Comprehensive Secondary Physics
3. Principles of Physics
4. Golden Tips
5. Teacher's Book

WK	LSN	TOPIC	SUB-TOPIC	OBJECTIVES	L/ACTIVITIES	L/T AIDS	REFERENCE	REMARKS
1	**1-4**	**REPORTING AND REVISION OF LAST TERM'S EXAMS**						
2	1-2	Magnetism	Magnetism and magnetic materials	By the end of the lesson, the learner should be able to: Identify magnetic and non-magnetic materials	Observing attraction and repulsion of magnets Identifying the test for magnetic materials Describing natural and artificial materials Carrying out experiments to identify magnetic and non-magnetic materials	Magnets Nails Pins Wood Plastics Tins Spoons Strings Razor blade Stand	Comprehensive secondary physics students book 2 pages 1-2 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page Principles of physics (M.Nelkom) pages 442-443 Golden tips physics page 124	
	3-4	Magnetism	Properties of magnets and the law of magnetism	By the end of the lesson, the learner should be able to Describe the properties of magnets State the logic law of magnetism	Investigating properties of magnets Stating the laws of magnetism	Magnets Charts on properties Iron fillings Strings Stand	Comprehensive secondary physics students book 2 pages 1-2 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 1-4 Principles of physics (M.Nelkom) pages 149 Golden tips physics page 124	
3	1-2	Magnetism	The compass	By the end of the lesson, the learner should be able to Construct simple compass	Constructing a simple compass	Pin/screw Magnet Cork Glass top Water trough	Comprehensive secondary physics students book 2 pages 3-5 Comprehensive secondary physics teachers book 2 pages 1-5	

						Piece of stiff paper Razor blade Glue	Secondary physics KLB students book 2 page 5 Principles of physics (M.Nelkom) pages 151 Golden tips physics page 127	
	3-4	Magnetism	Magnetic field patterns	By the end of the lesson, the learner should be able to: Describe magnet field patterns	Plotting the field of a bar magnet using a compass and iron filings	A compass Iron fillings Bar magnets Can with lid Card board Sheet of papers	Comprehensive secondary physics students book 2 pages 3-5 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 6-7 Principles of physics (M.Nelkom) pages 444 Golden tips physics page 124-125	
4	1-2	Magnetism	Making magnets by induction and stroking	By the end of the lesson, the learner should be able to make magnets by : Induction Stroking	Demonstrating induction Magnetizing a steel bar by stroking single and double strikes Defining hard and soft magnets	Bar magnets Steel bars Nails Iron bars	Comprehensive secondary physics students book 2 pages 6-7 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 19-22 Principles of physics (M.Nelkom) pages 441-442 Golden tips physics page 125-126	
	3-4	Magnetism	Making magnets		Magnetizing a steel bar by an electric current	Insulated wire Battery cell	Comprehensive secondary physics students book 2 pages 8	

			by an electric current	By the end of the lesson, the learner should be able to: Magnetize a material by an electric current		Steel bar	Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 23-24 Principles of physics (M.Nelkom) pages 440 Golden tips physics page 125-126	
5	1-2	Magnetism	Demagnetization and caring for magnets	By the end of the lesson, the learner should be able to Describe the methods of demagnetizative Describe how to care for magnets	Describing ways of demagnetizing of magnet Explaining how to care for magnets Carrying out experiments to demagnetize and care for magnets	Battery/cell Keepers Bar magnets Chart on demagnetization and care for magnets	Comprehensive secondary physics students book 2 pages 8-9 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 25-26 Principles of physics (M.Nelkom) pages 442 Golden tips physics page 126-127	
	3-4	Magnetism	Uses of magnets	By the end of the lesson, the learner should be able to Describe the uses of magnets	Describing uses of magnets Discussions Using magnets	Magnets Metallic bars Non-metallic bars	Comprehensive secondary physics students book 2 pages 9 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 27	

							Principles of physics (M.Nelkom) pages Golden tips physics page 127	
6	1-2	Magnetism	The domain theory of magnetism	By the end of the lesson, the learner should be able to: Explain the domain theory	Describing the domain theory of magnetism Explaining the application of the domain theory of magnetism	Charts on domain theory Bar magnets Iron fillings Test tubes Cork	Comprehensive secondary physics students book 2 pages 9-10 Comprehensive secondary physics teachers book 2 pages 1-5 Secondary physics KLB students book 2 page 17 Principles of physics (M.Nelkom) pages Golden tips physics page 127	

GODLITE ONLINE UPDATED SCHEMES OF WORK 2025

We are delighted to inform you that our crafted Schemes of Work for the year 2025 are now available exclusively on our website www.goldlitekcserevision.co.ke. All are available including, PP1 & PP2, Grade 1 to Grade 8 and Grade 9 (New!) and Form 2 to Form 4

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- Comprehensive Coverage: Our Schemes of Work encompass a wide range of subjects and topics, ensuring a holistic approach to education.
- User-Friendly Interface: Navigating through the library is a breeze, allowing you to quickly find and download the materials you need.

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Warm regards,
GOLDLITE ONLINE TEAM

Feel free to reach out if you have any questions or need assistance. We're here to support you!
Note that:
We have used various books including KLB, JKF, Tusome, Oxford, Longhorn, Moran Publishers, Mountain Top, NPPE, New Beginning (I.R.E), EAEP, Queenex, Kiswahili Mufti, Dadisi, Trendy, Inventor and many more.

FOR COMPLETE AND UPDATED SCHEMES OF WORK FOR ALL SUBJECTS F2-F4 CONTACT US ON

0724351706 OR 0726960003 OR VISIT OUR WEBSITE www.goldlitekcserevision.co.ke

OUR SCHEMES USES M.O.E RECCOMMENDED COURSE BOOKS. LANGUAGES ARE ALSO UPDATED WITH NEW SETBOOKS

WE ALSO HAVE:

- ✓ **UPTO DATE LESSON NOTES**
- ✓ **LESSON PLANS**
- ✓ **CUSTOMIZED RECORDS OF WORK**
- ✓ **TERMLY EXAMS**
- ✓ **TOPICAL EXAMS AND MANY MORE**

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