#### SECOND TERM E-LEARNING NOTE

#### SUBJECT: PHYSICS

### SCHEME OF WORK

WEEK	TOPIC
1.	Work, Energy and Power
2.	Heat Energy, Concept of Heat and Temperature, Effects of Heat and Uses
3.	Thermometer and Its Type, Evaporation and Boiling
4. 5.	Expansion of Solid, Effect and Applications of Expansion
5.	Expansivity and Its Application – Linear, Area and Volume. Anomalous Expansion of Water. Real and Apparent Expansivity
6.	Heat Transfer - Conduction, Convection, Radiation and Their Applications
7.	Electric Charges – Production, Types, Distribution and Storage Gold Leaf Electroscope and its Uses. Lighting and Lighting Conductor
8.	Fields - Concept and Types of Field. Gravitational and Magnetic Field, Force of Gravity
9.	Electric Field - Line of Forces, Properties of Line of Force, Description and Properties of Force Field
10.	Production of Continuous Electric Current

CLASS: SS 1

- New School Physics By M.W Anyakoha
- Senior Secondary School Physics By P.N Okeke

#### WEEK 1

# TOPIC: WORK, ENERGY AND POWER CONTENT

- Work
- Work Done in Lifting a Body & Falling Bodies
- Conservation & Transformation of Energy
- World Energy Resources

#### WORK

Work is said to be done whenever a force moves a body through a certain



## **Ss1second Term Physics Note**

Richard L. Van Metter, Jacob Beutel

#### **Ss1second Term Physics Note:**

Modern Condensed Matter Physics Steven M. Girvin, Kun Yang, 2019-02-28 Comprehensive and accessible coverage from the basics to advanced topics in modern quantum condensed matter physics **Encyclopedia of physics** Siegfried Flügge, 1956 **Soviet Journal of Nuclear Physics**, 1991 Japanese Journal of Applied Physics, 2006 <u>U.S.S.R.</u>

Computational Mathematics and Mathematical Physics, 1964 **Physics, Chemistry and Mechanics of Surfaces**, 1991

Xvith International Congress On Mathematical Physics (With Dvd-rom) Pavel Exner, 2010-03-31 The International Congress on Mathematical Physics is the flagship conference in this exciting field Convening every three years it gives a survey on the progress achieved in all branches of mathematical physics It also provides a superb platform to discuss challenges and new ideas The present volume collects material from the XVIth ICMP which was held in Prague August 2009 and features most of the plenary lectures and invited lectures in topical sessions as well as information on other parts of the congress program This volume provides a broad coverage of the field of mathematical physics from dominantly mathematical subjects to particle physics condensed matter and application of mathematical physics methods in various areas such as astrophysics and ecology amongst others **Physical Review**, 1997-03 Publishes papers that report results of research in statistical physics plasmas fluids and related interdisciplinary topics There are sections on 1 methods of statistical physics 2 classical fluids 3 liquid crystals 4 diffusion limited aggregation and dendritic growth 5 biological physics 6 plasma physics 7 physics of beams 8 classical physics including nonlinear media and 9 computational physics Research in Building **Physics** J. Carmeliet, H. Hens, G. Vermeir, 2020-12-18 This text provides a broad view of the research performed in building physics at the start of the 21st century The focus of this conference was on combined heat and mass flow in building components performance based design of building enclosures energy use in buildings sustainable construction users comfort and health and the urban micro climate **Proceedings of the Nuclear Physics and Solid State Physics Symposium** .1973 Soviet Physics, JETP. ,1988 AIAA Journal American Institute of Aeronautics and Astronautics, 1997 La Physique Des Terres Rares À L'état Métallique Centre national de la recherche scientifique (France),1979 Soviet Physics, Solid State ,1985 Medical Imaging ,1996 Zeitschrift für Naturforschung ,1981 Medical Imaging 1996 Richard L. Lectures in Theoretical Physics Brandeis University Van Metter, Jacob Beutel, 1996 Physics, Uspekhi ,1997 Summer Institute in Theoretical Physics, 1963 Lectures on Particles' and Field Theory Brandeis University. Summer Institute in Theoretical Physics, 1963

#### Ss1second Term Physics Note Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Ss1second Term Physics Note**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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