SS1 PHYSICS

2ND TERM SCHEME OF WORK

1. Viscosity, Heat, Concept and Temperature, effects of heat, sources, uses
2. Thermometer, types, simple calculations
3. Expansivity, expansion of solids effects and application of expansivity
4. Expansivity – linear, area, volume, anomalus expansion of water, Real and apparent expansion
5. Heat transfer
6. Electric charges production, types, distribution and storage
7. Gold leaf electroscope, uses, Lighting
8. Field concept
9. Electric field, lines of force, properties
10. Production of continuous electric current
11. Revision

SS2 PHYSICS

2ND TERM SCHEME OF WORK

1. Machines/Calculation( from last term)/Heat, Temperature and it measurements
2. Heat capacity/Specific heat capacity
3. Calculation on wk 2
4. Evaporation, boiling and melting point determination/effect of impurities and pressure on B.pt and M.pt
5. Latent heat – fusion/vapourisation and verification
6. Vapour pressure – saturated and unsaturated vapour pressure, humifity,relative humidity/dew point
7. Gas laws- Charles, Boyles, Pressure and General gas law
8. Production and progation of waves/types of waves/general waves equation
9. Properties of waves
10. Light waves – source/reflection in planes and curved mirrors/Refraction of light

SS3 PHYSICS

2ND TERM SCHEME OF WORK

1. Electromagnet- application/uses/Electromagnetic field – application D.c motors, moving coil galvanometer/ electromagnetic induction/ laws of electromagnetic induction, A.C/D.C
2. Generator/Transformers/power transmission-distribution/Eddy current
3. Alternating current/ Resistor, Inductor and capacitor in A.C circuit, resonance
4. Models of atoms- Thompson, Rutherford, Bohr/ Models and limitation/Electrons-cloud model structure of nucleus, protons, neutrons and isotope
5. Radioactivity-types, properties, uses, half-life, radioactive decay,decay constant
6. Artificial transformation/fission/fusion/chain reaction/radioactive harzard/binding energy
7. Quatum radiation, frankhert experiment.line spectral/discharge lamps
8. Photoelectric effect/work function/x-ray/types/characteristics/uses/hazards and safety precaution
9. Conduction of electricity in gases
10. Waves- particle paradox/de-boglies/uncertainity principles

JSS1 MATHEMATICS

2ND TERM SCHEME OF WORK

1. Revision of first term
2. Approximation – rounding up, significant figures, decimal places, nearest whole numbers etc
3. Approximation (contd)
4. Number Base ( addition and subtraction in base two)
5. Number Base ( multiplication in base two)
6. Basic Operation (addition, subtraction, using Abacus and numberline)
7. Review of first half term work
8. Basic Operation(contd) negative and positive integer
9. Algebraic process
10. Algebraic process (contd)
11. Revision

JSS2 MATHEMATICS

2ND TERM SCHEME OF WORK

1. Revision of first term work
2. Word problems on algebraic fractions
3. Linear Inequalities
4. Linear Inequalities in one variable (graphical solution)
5. Graphs of linear equations in two variables
6. Plane shapes or figures – with properties
7. Review of first half term work
8. Scale drawing of length and distance
9. Quantitative Aptitude Problems
10. Revision of second half term’s work
11. Revision

JSS1 MATHEMATICS

2ND TERM SCHEME OF WORK

1. Revision of first term work
2. Methods of solving simultaneous linear equations –elimination/substitution/graphical methods
3. Methods of solving simultaneous linear equations –elimination/substitution/graphical methods (Contd)
4. Statistics II
5. Variation – direct, inverse, joint and partial
6. Variation (Contd)
7. Review of first half term work
8. Trigonometry ratio
9. Angle of elevation and depression
10. Bearing and distances