

Books I and XII, *Odyssey*, Books IX and XII, *Demosthenes*, *Philippics* I and II, against *Aphobus*, I and II; *Herodotus*, Book I, cc. 26-92, etc., as far as required for Junior and Senior Matriculation with Honors.

GROUP E.—Physical Science.—(a) Chemistry; Heat—its sources; Expansion; Thermometers—relations between different scales in common use; Differences between Temperature and Quantity of Heat; Specific and Latent Heat; Calorimeters; Liquefaction; Ebullition; Evaporation; Conduction; Convection; Radiation. The chief Physical and Chemical Characters, the Preparation and the characteristic Tests of Oxygen, Hydrogen, Carbon, Nitrogen, Chlorine, Bromine, Iodine, Fluorine, Sulphur, Phosphorus and Silicon. Carbonic Acid, Carbonic Oxide, Oxides and Acids of Nitrogen, Ammonia, Olefiant Gas, Marsh Gas, Sulphurous and Sulphuric Acids, Sulphuretted Hydrogen, Hydrochloric Acid, Phosphoric Acid; Phosphuretted Hydrogen, Silica.

Combining Proportions by weight and by volume; General Nature of Acids, Bases and Salts; Symbols and Nomenclature. The Atmosphere—its constitution; Effects of Animal and Vegetable life upon its composition; Combustion; Structure and Properties of Flame; Nature and Composition of ordinary Fuel. Water—Chemical Peculiarities of Natural Waters, such as Rain Water, River Water, Spring Water, Sea Water.

(b) Botany; applications of Chemistry to Agriculture; an introductory course of Vegetable Anatomy and Physiology, illustrated by the examination of at least one plant in each of the Crowfoot, Cress, Pea, Rose, Parsley, Sunflower, Mint, Nettle, Willow, Arum, Orchis, Lily and Grass Families; Systematic Botany; Flowering Plants of Canada.

(c) Physiology; General view of the Structure and Functions of the Human Body; The Vascular system of the Circulation; the Blood and the Lymph; Respiration; the Function of Alimentation; Motion and Locomotion; Touch, Taste, Smell, Hearing and Sight; the Nervous System.

(d) Light, and Electricity.

GROUP F.—History and Geography.—(a) History; English, the special study of the Tudor and Stuart Periods; Roman, to the death of Nero; Grecian, to the death of Alexander.

(b) Geography, Ancient and Modern.

Every pupil in the Upper School must take Group A, Arithmetic, Algebra as far as Progression, History, and two other subjects from those included in Groups C, D and E. In cases of doubt, the Master shall decide. Candidates preparing for any examination shall be required to take only the subjects prescribed for such examination.

N. B.—Changes will be made in this Programme to suit those in the Curriculum of Toronto University and in the subjects for 1st and 2d class Prov. Certificates.