

SCIENCE.

1.—PHYSICS AND CHEMISTRY.

For those who desire it, a course sufficiently extensive to cover the ground for University Matriculation will be provided, as follows:

Physics—Including the properties of "matter"; phenomena of gravitation; laws of attraction; weight of gases, liquids, and solids; specific gravity; transmutation of matter; theory of elements; indestructibility of matter; nature, manifestations, and measurement of "force"; "work" and "energy"; laws of matter in motion; velocity and acceleration; conservation and indestructibility of energy; properties and laws of gases, liquids, and solids; laws of diffusion; laws of heat; mechanical equivalent; latent and specific heat; caloric.

Chemistry—Including the properties of hydrogen, chlorine, oxygen, sulphur, nitrogen, carbon, and their more important compounds; nomenclature; laws of combination of the elements; the atomic and molecular theories.

2.—PHYSIOLOGY AND HYGIENE.

As a part of the regular work for the College diploma, all students will be expected to take a course, which will include the anatomy of the human body, the physiology of the various organs, and the general laws of health, together with practical applications of anatomical and physiological knowledge to emergency cases, such as sudden injuries from accidents, etc.

Anatomy—Including a general view of the bones, muscles, nerves, blood vessels, skin, and the circulatory, respiratory, and digestive organs of the body. Free use will be made of models and charts, and also of the microscope in the investigation of tissues.

Physiology—Including a general idea of the constituents of the body, the normal conditions and functions of the various organs, and their abnormal working when diseased; the manner in which nutrition, circulation, respiration, secretion, and other pro-