

SECOND YEAR.

Chemistry, as applied to Agriculture. _____

Comparative Physiology:—the Animal Kingdom.

Vegetable Organography und Physiology.

The Vegetable Kingdom.

(Clerk's Translation of Van Der Hoeven's Handbook of Zoology; Carpenter's Zoology; Gray's Botanical Text Book.) _____

Physical and Chemical characters of Minerals, including the application of Crystallography and the construction of Chemical Formulæ.

Classification and description of Minerals.

General principles of Geology fully considered.

Palæontology.

Leading Principles of Physical Geography as embraced in the present aspect and conditions of the Earth.

(Books of reference—Dana's system of Mineralogy, 4th Ed.; De la Beche's Geological Observer; Lyell's Principles and Elements of Geology; Somerville's Physical Geography; Johnston's Abridged Atlas; Synopsis of Professor Chapman's Lectures.) _____

Surveying, Mapping, and Farm Architecture.

History and Diseases of the Farm Animals. (Youatt's Treatise on the Horse, Cattle, Sheep, and the Pig.)

Practice of Agriculture, including the Management of Landed Property, Farm Finance and Accounts. (Stephen's Farmer's Guide; Low's Principles of Practical Agriculture.) _____

N.B.—This Statute will come into operation in September, 1865.