

**Botany I**—Seed and its germination—storage of food—roots, stem, buds, leaf, flower and fruits, practice in the identification of common plants, weeds and weed seeds—classification of plants.

Text Books    Farm Weeds of Canada (Dept. of Agriculture, Ottawa).

Howitt—Farm Weeds of Ontario.

**Botany II**—Review of elements of botany. Anatomy, physiology, osmosis, transpiration, growth and reproduction, classification, weeds, fungi.

Text Book: Percival—Agricultural Botany.

**Botany III**—As in

Text Book: Bergen—Elements of Botany (Ginn & Co.), with illustrative practical work.

**Bacteriology**.—A general study of Bacteriology, history of the growth of the science, methods of studying Bacteria—form, size, structure, motility, reproduction, spore formation, sterilisation, pasteurization, chemistry of the Bacterial cell—food conditions affecting growth, Bacteria in relation to air and dust, water, sewage, barnyard manure, dairy, infected food, &c.

Text Book: Lipman—Bacteria in Relation to Country Life (Macmillan).

**Zoology**.—Conditions of Animal Life, principles of classification, description of