

*Form II.*

NATURE STUDY.—Course of Form I. continued. Animal life : Life history and habits of domestic animals and of a familiar wild animals, as the squirrel, chipmunk, robin, crow ; earth-worm, habits, structure, uses ; toad, habits, structure, uses ; observation of live insects and their activities, comparison of young and adult stages.

Plant Life : Co-operative and individual work in school garden ; cultivation of plants in pots with observation of the development of leaves and flowers, parts of leaves and flowers ; change of flower to fruit and of fruit to seed ; functions of the parts of flowers ; the forms and uses of trees ; activities connected with forestry and lumbering, with study of pioneer life and present conditions on the prairie.

Observation of farm, garden, and household operations.

*Form III.*

NATURE STUDY.—Course of Form II. continued.

Animal Life : Adaptation of different kinds of Animals to their respective habits and surroundings ; birds, life history of types, habits of wild fowl in different seasons ; fish, forms and uses of different parts of the body, food and how obtained ; life histories of moths, butterflies, beetles and grass-hoppers ; useful insects, as ladybird and dragon fly ; harmful insects ; Nature's insecticides.

Plant Life : Germination of seeds under controllable conditions and in the school garden and window boxes ; opening of buds ; study of the forms and functions of the parts of plants, and comparison of these forms and functions in different plants ; observation of the culture of farm and garden crops and of orchard and shade trees ; the observing and the distinguishing of the common forest trees.

Different kinds of soil, as sand, gravel, loam, leaf-mould and clay ; experiments to ascertain how soils are composed, whether of mineral or of decayed organic material, and which best retains water. Additional phenomena of spring in the vicinity of the school, cause of snow melting, ice floating, etc. ; how nature prepares the soil for growth of plants. Distinction between hard and