

of seeds ; roots and stems, comparison of fleshy forms, uses, how stored for water.

Life on the Farm : Harvesting, primitive and modern methods compared ; preparation for winter ; the barn and its uses ; activities of the farm during winter ; winter sports and social life on the farm ; the varied operations of spring time.

Observations of rain, snow, and frost ; spring time as awakening to new life, effects of sun and moisture on the soil.

FORM II.

Course of Form I. continued. **Animal Life.** Life history and habits of domestic animals and familiar wild animals, as squirrel ; earth-worm, habits, structure, uses ; toad, habits, structure, uses ; observation of live insects and their activities, comparison of young and adult stages.

Plant Life : Cooperative 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 fruit to seed ; functions of the parts of flowers ; the forms and uses of trees ; activities connected with forestry and lumbering, connect with study of pioneer life and present conditions on the prairie.

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 melting snow, floating ice, etc. ; how nature prepares the soil for growth of plants.

Observation of farm, garden and household operations.

FORM III.

Course of Form II. continued. **Animal Life :** Adaptation of different kinds of animals to their respective habits ; 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 grasshoppers ; useful insects, as ladybird and dragon-fly ; harmful insects and methods of destroying them.

Plant Life : Germination of seeds under controllable condi-