

*Winter work.*—Experiments in plant physiology.  
 Identification of weed seeds in grains by comparison with samples collected in the autumn.  
 Simple experiments on frictional electricity and magnetism.  
 Simple experiments in chemistry.  
 Distinguishing characteristics of the great groups of vertebrates, viz., mammals, birds, reptiles, amphibians and fishes.

*Spring work.*—Plant and care for some of the rarer garden vegetables, e.g., salsify, egg-plant and pepper.  
 Give especial attention to experiments on larger plots, as outlined in Grade VI.  
 The care of small fruits and their propagation by layering, stolons, &c.  
 Study plant families represented in the garden, e.g. :—

- (a) Gourd family, including squash, pumpkin, cucumber, melons and gourds.
- (b) Cabbage family, including cabbage, cauliflower, Kale, Brussels sprouts, Kohl rabi, &c.
- (c) Grass family, including the various grasses and grains.

Injurious fungi and the use of fungicides.  
 Injurious insects and the use of insecticides.  
 Root-grafting of apples, pears, cherries, &c.  
 Nature calendar, a record of natural phenomena in chronological order.

BOOKS FOR REFERENCE.

*Nature-study.*

Nature-study and Life; C. F. Hodge	
Ginn & Co., New York. . . . .	\$1 50
Nature-study in Elementary Schools; Mrs. Wilson	
G. N. Morang & Co., Toronto. . . . .	0 90
Handbook of Nature-study; Lange	
G. N. Morang & Co., Toronto. . . . .	1 00
Nature-study and the Child; C. B. Scott	
D. C. Heath & Co., Boston. . . . .	1 50
Nature-study for Common Schools; W. S. Jackman	
Henry Holt & Co., New York. . . . .	1 20
Guide to Nature-study; M. R. Crawford	
The Copp Clarke Co., Toronto. . . . .	0 90
The Nature-study Idea; L. H. Bailey	
Doubleday, Page & Co., New York. . . . .	1 00

*Plant Life.*

Trees of the Northern United States; A. C. Apgar	
American Book Co., New York. . . . .	1.00
Familiar Trees and their Leaves; S. Mathews	
D. Appleton & Co., New York. . . . .	1 75
Corn Plants; F. L. Sargent	
Houghton, Mifflin & Co., Boston. . . . .	0 60
First Studies in Plant Life; Geo. F. Atkinson	
Ginn & Co., Boston. . . . .	0 60
How to Know the Wild Flowers; Mrs. Wm. Starr Dana	
Scribners, New York. . . . .	2 00
Nature's Garden; Neltje Blanchan	
Doubleday, Page & Co., New York . . . . .	3 00