

REPORT OF WORK IN SCIENCE, 4TH, 6TH, 8TH GRADES.
MR. HALSEY, TEACHER.

June 4, 1909.

FOURTH GRADE - GARDENING:

During April each child prepared his individual plot 4' x 6', and after a preliminary discussion and experimentation with the various vegetables and "flowers" suggested by the children, the gardens were planted, entire freedom of choice of seed being allowed. The planting continued thru the first two weeks of May.

Cultivation of the soil, weeding, thinning out and transplanting have occupied the class during May. In the last week of that ^{month} and in this first week of June, the maturing of the earlier vegetables, radishes, onions, lettuce, etc. has necessitated the gathering of the crops, and the planting of vegetables for late fall use.

Considerable work indoors has been done with the animal enemies and friends of the garden, e.g. caterpillars, cutworm, etc., and birds, toads, etc. For the study of birds, identification and habits, several field trips were taken.

SIXTH GRADE (BOTH ROOMS) GARDENING:

To this grade was given the task of planning the whole garden, measuring, mapping, and staking off individual plots. The work proceeded as in the fourth, except that there was more time for indoor discussion of the problems of the garden.

In addition to the individual gardens the general care of garden's appearance has been undertaken, and considerable work done for the lower grades.

The study of irrigation and its practical application was necessary because of short hose.

EIGHTH GRADE (MR. GILLET'S ROOM) GENERAL SCIENCE:

The work since March has consisted of a study of: the simple gases oxygen and carbon dioxide with individual experimentation to learn their general properties, work with the fire extinguisher as a practical application of CO₂-1---atmospheric pressure, -- simple experiments such as the construction of the siphon, barometer and lift pump, each pupil making the first and third piece.

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H. R. HALSEY.

June 7th to June 18th.

FOURTH GRADE: Study of weeds for purposes of identification and destruction.

Pulling of radishes, lettuce, onions, etc., as they matured, followed by planting of vegetables for fall use, corn, pumpkin, beets, etc. All gardens whose owners are still in school are left nearly free from weeds.

SIXTH GRADE (BOTH ROOMS): Work practically as in the fourth grade, except that the promotion of these pupils to a grade in which there is to be no garden has made the replanting of the gardens less spontaneous. Several of the children have arranged to come to the garden at definite times thruout the summer to care for their plots and to gather vegetables.

EIGHTH GRADE (MR. GILLET'S ROOM) SCIENCE:

Division I: Study of camera illustrating elementary principles of light. Each child constructed a pin-hole box camera, and several of these are ready for use.

Division II. Study of efficiency - relative cost of energy, illustrated by each pupil constructing and operating a distilling apparatus. Lack of time has prevented carrying out the plan of using a gas meter for comparison of stills.

June 7th to June 18th