

agriculture, in the elementary schools, but special courses are offered to those who wish to specialize in agricultural work. Emphasis is placed on the practical rather than the theoretical or technical. To this end, work in the class room is supplemented by actual practice in the field and garden.

Agriculture 1. Elementary Agriculture. This course is designed to give a general survey of all phases of agriculture for the benefit of those who cannot make a more detailed study of the subject, and to furnish a foundation for the work of the teacher. Emphasis will be placed on fundamental principles as applied to local conditions. Some of the topics taken up will be as follows: Origin and kinds of soils, movements of soil moisture, the plant in its relation to the soil, tillage and cultivation, irrigation, drainage, water conservation, soil improvement, field crops, gardening, horticulture, farm stock, dairying and poultry. Each member of the class is required to make a garden and to take part in such activities about the field or campus as may have a special bearing upon the subject.

Literature: Hillard & Osterhout, *Agriculture for Schools on the Pacific Slope*, MacMillan Co., bulletins from U. S. and State; current literature.

Required for all second year students. Five periods per week throughout the year.

Agriculture 2. Animal Husbandry (a). A Study of the history and characteristics of the different types of horses, cattle, sheep, hogs and poultry will be taken up. The principles of stock judging will be given attention. In addition to the farm animals of the locality, the State Fair furnishes opportunity for a study of the different types and practice in judging them. The latter part of the course will be devoted to a survey of the principles of animal improvement.

Literature: Plumb, *Types of Farm Animals*, Ginn & Company; Craig, *Stock Judging*, Kenyon Printing Co., Des Moines, Ia.; Bulletins and current farm magazines.

Junior year, first semester, five times per week.

Agriculture 3. Animal Husbandry (b) The care, management and feeding of farm animals in a state of both