

Colorado Agricultural College Bulletin



CATALOGUE
Fort Lewis School of Agriculture
Mechanic and Household Arts
Hesperus, Colo.



April 7 to Sept. 26, 1919
and
Oct. 13, 1919 to April 2, 1920



*A School of practical training
for
Eighth-Grade Graduates*



Series XVIII



December, 1918

No. 11

Practical Education for the Young Men and Women of Colorado's Southwest

Thinking about your future?

Young men and women nearly always commence to think about their future when they reach the eighth grade.

They think about what they are going to do in life.

They think about their equipment for tackling the line of work they may have chosen, or would like to choose.

They think upon the question of getting more education—further training which will give them special fitness for their future work.

And, having thought upon these things, the ambitious student, the student who wants to make the utmost of his talents, decides to seek special training which will enable him to achieve success in life.

The next thought, naturally, is, Where can I find this training?

To those who intend to undertake farming or stock raising, to those who want a knowledge of practical mechanics, to those who want to equip themselves for the duties of home-maker, to those who want to teach, to those who want to prepare for college, especially to those young men and women of Colorado's Southwest who want to do these things, the answer is:

The Fort Lewis School.

You need not go a long distance away from home.

Your State maintains the Fort Lewis School to provide educational facilities for you, near your home.



A Corner of the Parlor—Girls' Dormitory

Although the majority of the students come from this district, enrollment is by no means limited to them, students from all over Colorado, and from other states being eligible. Indeed, students from these sections are coming to Fort Lewis in increasing numbers each year, attracted by the agreeable, healthful climate, the scenic beauties of the district, as well as by the educational facilities of the School.

Courses are offered in Agriculture, Mechanic Arts, Home Economics, and Teacher Training.

Location and Environs

The Fort Lewis School is located near the foot of the La Plata mountains on an extensive reserve of 6,400 acres of agricultural, timber, and mineral land owned by the State. Flowing through the reserve is the La Plata river, lined with stately cottonwoods and pines, contributing to the attractions of the valley and supplying, from its liberal store, water for irrigating the crops on the reserve. The altitude is 7,000 feet and the climate is delightfully invigorating and healthful. Pure water, abundant sunshine, fertile fields, the best of Nature's playgrounds for recreation, all combine to make Fort Lewis a most healthful and pleasant place in which to pursue an education.

The nearest railroad station is at Hesperus, five miles north of Fort Lewis, on the Rio Grande Southern Railway. Durango, the county seat of La Plata County, is fourteen miles east of Hesperus.



A Beefsteak Fry on the Banks of the La Plata



Learning to Run Their Own Ditch Lines

Buildings

There are twenty-one buildings on the campus; all are commodious, convenient in arrangement, lighted by electricity, and supplied with running water. They include the school building, boys' dormitory, girls' dormitory, dining hall, shops and power house, dairy building, six residences, barns, and a number of storehouses. The school building, dormitories and dining hall are heated by steam.



The Girls' Dormitory

Life at Fort Lewis

Because of the isolation of the School, life at Fort Lewis is in many respects more wholesome and conducive to profitable study than at many institutions. The students and faculty live virtually as one big family, and there are none of the undesirable distractions the proximity of a town so frequently supplies.

Nor is there any lack of diversion and recreation. The neighboring woods and mountains offer enticing nooks for picnics and expanses for hikes, there are tennis tournaments, baseball games and athletic field days, there is a student dance once a month, frequent parties, meetings of the Ammons Literary Society, and other forms of entertainment.

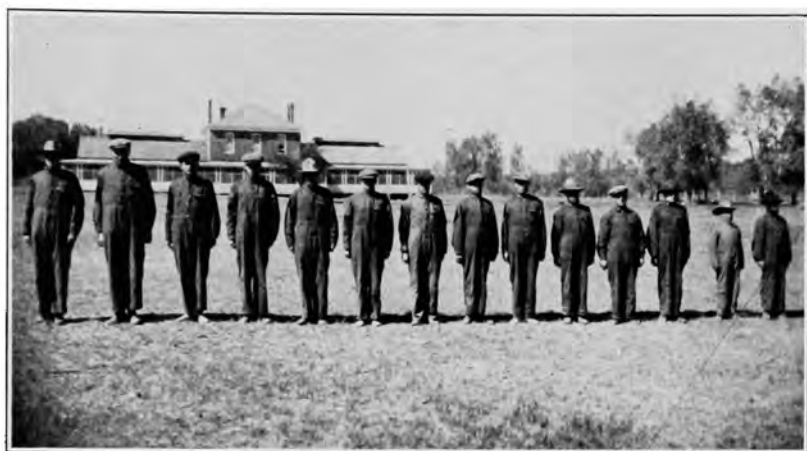
Students have breakfast at 6:30 and assemble in the classrooms and shops at 7:30. Dinner is served at 12 o'clock, and supper at 6. At 7:15 the students gather in the assembly hall, where they pursue their studies under the supervision of one of the instructors. They are dismissed at 9:30 and the lights are extinguished at 10:15.

Table Provided With Best Meats, Vegetables, and Dairy Products

No matter to what idealistic heights the pursuit of knowledge takes us, the cravings of the inner man always accompany us, and we must come down to the commonplace subject of eating. Nothing is left to be desired in this respect at Fort Lewis. Students and instructors take their meals at a central dining room, where are served home-butchered pork and beef, fresh vegetables from the garden, butter, cream, milk and butter-milk, fresh from the school's own dairy. The school is largely self-supporting from the standpoint of food.



A Corner of the Porch—Girls' Dormitory



Ready for Drill



Target Practice



The Girl Students Serve Refreshments on Visitors' Day



Bedroom in Girls' Dormitory



Where Girl Students Get Practice in Serving of Meals

Dormitories

Students sleep in brick dormitories, heated by steam and lighted by electricity. Each student supplies his bedding above the mattress and cares for his own room. The School equips each room with bedstead, spring, mattress, chiffonier, table and chairs.

Equipment

The School is supplied with pure-bred hogs, sheep, cattle, and horses for the use of the stock-judging classes.

The shops are well equipped with tools, work benches, forges, anvils, and lathes, and the laboratories are supplied with material necessary for work in physics, chemistry, botany, and other sciences. The new laboratory equipment is modern and convenient, and well adapted to the needs of the classes.

The new model kitchen, sewing room, and dining room are well equipped with modern apparatus and machines.

Opportunity to Pay Part of Expenses With Work

To the student who is compelled to work his way through school, or prefers to do so from a spirit of independence, the Fort Lewis School of Agriculture holds an added interest, for there is excellent opportunity to earn money while preparing oneself. Boys may earn from \$50 to \$125 and girls from \$25 to \$75 during the six months.

Girls aid in the kitchen, dining room, laundry, dormitory and office, and the boys do farm, garden, shop, and janitor work. Thus do students not only get the information ordinarily gleaned from text books, but they get practical training for farm and household work and receive pay for the time spent in learning.

Expenses Are Low

The cost of board, room, laundry, text books, etc., is exceptionally low, and when from this is deducted the amount that a student earns, there is little to prevent an energetic boy or girl from attending, even if his parents have limited means of support. There are few schools in which one may secure such valuable training at so small an expenditure of money.

Athletics

The school is fairly well equipped with gymnasium apparatus. There are basketball, baseball, running, and vaulting contests. Field day meets are held once a month. The new two-court tennis grounds are first class in equipment and appearance.

Physical Training

Regular supervised work in physical training is required of all students. As far as possible, it is outdoor training of such a nature as to give the boys and girls strong, active bodies that will respond readily and correctly to the dictates of the will.

Literary Work

The school has two literary societies, the Ammons Society, of which all students of the school are members; and the Senior Debating Society, of which seniors and juniors may become members. Valuable practice in public speaking and debating is gained through appearance upon the programs in these two societies.

Papers and Magazines

The school subscribes for the Country Gentleman, Wallace's Farmer, Good Housekeeping, Literary Digest, Hoard's Dairyman, World's Work, Ladies' Home Journal, and Youth's Companion. Complimentary copies of



The Tennis Courts

The Field and Farm, Bayfield Blade, Western Farm Life, Collegian, Rico Item, and Ridgway Sun are received.

Library

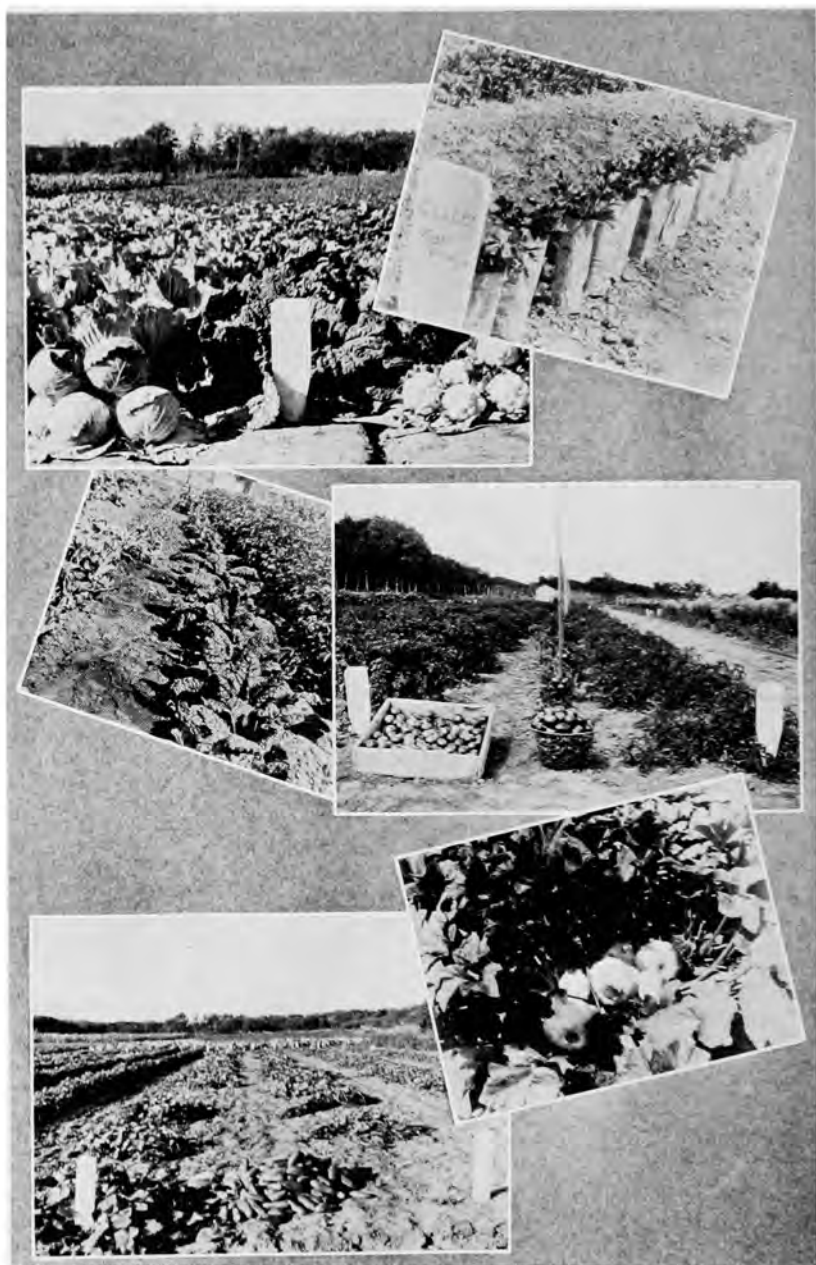
The school is accumulating a very good library. Bailey's Encyclopedia of Agriculture, the New International Encyclopedia, the Standard Dictionary and a number of other books have recently been added. It has the helpful service, also, of the Colorado Traveling Library.

Sunday Service

Interdenominational Sunday School services are held each Sunday morning at 10.30 o'clock. Preaching services are frequently held on Sunday afternoon or evening.



Making Hay While the Sun Shines on the Reserve



Possibilities of Vegetable Growing in the Southwest as Demonstrated on the Experimental Farm at the School

Courses

Beginning in April, 1919, the Fort Lewis School will continue in operation throughout the year and will offer both a summer and a winter session of six months each. The work in the two sessions will be alike except for seasonable short courses. A student, if he so desires, can continue in school and complete the work required in any so-called three years course in three consecutive sessions of six months each. In studying the schedule of the courses of study the student should keep in mind that this is the regular course required and is offered for the six months from April to October, and from October to March. This plan of a double session year should make it possible for many more students to take advantage of the training at Fort Lewis.

1. Three-year course in Agriculture. Summer session April 7th to September 26th, 1919, and winter session October 13th, 1919, to April 2d, 1920.

2. Three-year course for Rural Teachers. Summer session April 7th to September 26th, 1919, and winter session October 13th, 1919, to April 2d, 1920.

3. Three-year course in Household Arts. Summer session April 7th to September 26th, 1919, and winter session October 13th, 1919, to April 2d, 1920.

4. A six-week course for Rural Teachers. July 7th to August 16th, 1919.

5. A four-year course for those who wish to prepare for college entrance.

Admission.—Students who have satisfactorily completed the eighth grade, will be admitted without examination.

Students who have not completed the eighth grade but who are over 15 years of age and who successfully pass an examination in Arithmetic, United States History, English, Geography, Reading, and Spelling will be admitted.

Enroll Early

It will not be possible to accommodate more than one hundred students during the summer of 1919 and all who plan to attend are urged to enroll at an early date.

Teachers' Certificate

All students who have graduated from the Teachers' course have received teachers' certificates at the La Plata county examinations, and many others who have been in school a shorter length of time.

History of the School

The Fort Lewis School gets its name from the fact that some of the original buildings constituted a fort and housed twelve companies of the United States army during the period from 1882 to 1892. From 1892 to 1910 an Indian school was conducted at the Fort and in 1910 the national government gave the 6,400 acres of land, with attached buildings, water rights, coal rights, and timber to the State of Colorado. A condition of this transfer was that an educational institution be maintained at the Fort where Indian children would be admitted on the same basis as white children.

In accepting these conditions in 1911, the Eighteenth General Assembly of Colorado authorized the establishment of the Fort Lewis School of Agriculture, Mechanic and Household Arts as a branch of the Colorado Agricultural College, and placed the school under the direction of the State Board of Agriculture.

The school was opened for students October 2, 1911.

The Twentieth General Assembly provided a levy of two hundredths of a mill for the support of the school, and provided for the establishment of a Rural Teachers' Training Course. This act of the General Assembly insures the financial support of the school and extends its functions so as to make it more useful to the Southwest and to the State generally.

The Twenty-first General Assembly provided funds for erecting farm buildings and for remodeling the dormitories.



A Fertile Valley Near Fort Lewis—La Platas in Distance



Class in Field Crops Getting Practical Instruction in the Field



Practical Work on the School Farm

Course In Agriculture**FIRST YEAR**

First Term	Periods a week	Second Term	Periods a week
Bench Work	(10)	Forge Work	(10)
Botany	5	Field Crops	5
Stock Judging	5	Breeds of Farm Animals	5
English	5	English	5
Arithmetic	5	Arithmetic	5
Military Drill	(3)	Military Drill	(3)

SECOND YEAR

First Term	Periods a week	Second Term	Periods a week
Crop Raising	5	Irrigation and Leveling	2 (3)
Chemistry	3 (4)	Chemistry	3 (4)
English	5	English	5
Farm Mechanics	2 (3)	Farm Mechanics	2 (3)
Algebra	5	Algebra	5
Horticulture	3 (2)	Horticulture	3 (2)
Military Drill	(3)	Military Drill	(3)

THIRD YEAR

First Term	Periods a week	Second Term	Periods a week
Diseases of Farm Animals	5	Stock Feeding	5
Soils	3	Farm Management	4
Soils Laboratory	(4)	Farm Accounts	(2)
Animal Breeding	5	Dairying	5
Literature	5	Literature	5
Physics	3 (4)	Physics	3 (4)
Military Drill	(3)	Military Drill	(3)



A Part of the Dairy Herd

Training Course for Rural Teachers**FIRST YEAR**

First Term	Periods a week	Second Term	Periods a week
Botany	5	Botany and Insect Study	5
Cooking or Bench Work	(10)	Cooking or Forge Work	(10)
English	5	English	5
Arithmetic (Review)	5	Arithmetic	5
Geography (Review)	5	Home Nursing	5
Physical Training	(3)	Physical Training	(3)

SECOND YEAR

First Term	Periods a week	Second Term	Periods a week
American History	5	American History	5
Algebra	5	Algebra	5
English	5	English	5
Chemistry	3 (4)	Chemistry	3 (4)
Hand Sewing or Horticulture	(10)	Machine Sewing or Horticulture	(10)
Physical Training	(3)	Physical Training	(3)

THIRD YEAR

First Term	Periods a week	Second Term	Periods a week
Literature	5	Literature	5
Theory and Practice	5	School Management and School Law	5
Special Methods	5	Special Methods	5
Physics	3 (4)	Physics	3 (4)
Physical Training	(3)	Physical Training	(3)



The Experimental Plot on the School Farm

Course In Domestic Science**FIRST YEAR**

First Term	Periods a week	Second Term	Periods a week
Hand Sewing	(10)	Machine Sewing	(10)
Cooking	(10)	Cooking	(10)
English	5	Home Nursing	5
Arithmetic	5	English	5
Physical Training	(3)	Arithmetic	5
		Physical Training	(3)

SECOND YEAR

First Term	Periods a week	Second Term	Periods a week
Advanced Cooking	(10)	Dressmaking	(10)
Chemistry	3 (4)	Chemistry	3 (4)
Horticulture	3 (2)	Horticulture	3 (2)
English	5	English	5
Algebra	5	Algebra	5
Physical Training	(3)	Physical Training	(3)

THIRD YEAR

First Term	Periods a week	Second Term	Periods a week
The House and Household Management	(5)	Serving of Meals	2 (4)
Laundry	1 (4)	Dairying	5
Literature	5	Millinery and Embroidery	(4)
Millinery and Embroidery	(4)	Physical Training	(3)
Physical Training	(3)	Literature	5
Physics	3 (4)	Physics	3 (4)

The course in Domestic Science will be offered if called for by four or more students before April 1, 1919.



Sewing Laboratory

Preparation for College

Students expecting to enter college will be required to take the work of the fourth year.

FOURTH YEAR			
First Term	Periods a week	Second Term	Periods a week
Economics	5	Civics	5
Geometry	5	Geometry	5
General History	5	General History	5
English	5	English	5



Taking Soil Samples to be Tested in the Laboratory

Description of Courses

Agriculture

Field Crops and Crop Raising (First and Second).—Five periods a week for 24 weeks. Text—Wilson and Warburton. A study of wheat, corn, oats, barley, rye, and other cereals, forage crops, alfalfa, grasses, potatoes, sugar beets and other root crops. The judging, selecting, testing and care of seeds of the different useful plants, also the different plant diseases and pests and how to treat or eradicate them; the best cultural methods, the best methods of caring for harvested crops, and other useful facts concerning the crops grown on the farm are taught.

Stock Judging (First Year).—Five periods a week for twelve weeks. Text—Purdue University Bulletin No. 29. This is a study of the typical forms and characteristics of different breeds of farm animals. Animals are brought before the classes and the students apply the information gained from texts and instructors in pointing out the desirable and undesirable qualities of each.

Breeds of Farm Animals (First Year).—Five periods a week for twelve weeks. Text—Types and Breeds of Farm Animals, Plumb. This



Learning to Judge Live Stock



Milking Time in the Dairy

is a study of the characteristics of the various breeds of farm animals. The school is fortunate in having pure-bred Percherons, Herefords, Holsteins, Oxfords, Rambouillets, Duroc-Jerseys, in addition to good grade cattle and horses. One hundred fine stereopticon slides are available for class use.



The School Draft Horses



Transplanting
Plants Produced in
the Hot-bed

Botany (First Year).—Five periods a week for twelve weeks. Text —Plant Life and Plant Uses, Coulter. A study of the seed and the resulting plant and flower, together with the harmful insects.

Horticulture (Second Year).—Texts in vegetable gardening and fruit growing are used. A study of the best vegetables to grow at high altitudes is made, together with the best soil, water and cultural conditions. Some time is given to the plant and insect enemies of vegetables and to the best

In the
School Garden



methods and conditions of storage. During the second term fruit growing is pursued. The best planting and cultural conditions for strawberries, raspberries, currants, gooseberries and hardy tree fruits are studied. Insect pests and how to destroy them are given much attention. Attention is also given to packing, marketing and storing fruit.

Diseases of Farm Animals (Third Year).—Five periods a week for twelve weeks. Text—Common Diseases of Farm Animals, Craig. Instruction is given in the care of farm animals, how to properly care for them and guard against disease, and thus secure the best growth or greatest degree of usefulness. Also, how to recognize the common diseases, and how to nurse afflicted animals. Special attention is given to hygiene and farm sanitation.

Soils (Third Year).—Seven periods a week for twelve weeks. Text—Soils and Soil Fertility, Whitson and Walster. Fee, Fifty cents a term. A study of plant food, preparation of the soil, physical conditions of the soil that affect soil productivity, systems of rotation, manures and commercial fertilizers and similar topics is pursued.

Stock Feeding (Third Year).—Five periods a week for twelve weeks. Text—Productive Feeding of Farm Animals, Woll. The value of the different crops as feed for animals is studied and balanced rations for various classes of farm animals are then worked out.

Farm Management and Farm Accounts (Third Year).—Five periods a week for twelve weeks. Text—Farm Management, Warren. A study of the business of farming: Why farm, cost of farming, hired help, tenants; diversified and specialized, intensive and extensive farming, size of farm, capital, equipment, cropping system, marketing and farm records and accounts.

Dairying (Third Year).—Five periods a week for twelve weeks. In the dairy laboratory the students are taught the use of the Babcock tester, the lactometer, the moisture test for butter, the methods of handling milk and cream, the running and testing of various cream separators, ripening cream, churning, working, salting and printing of butter. The practical work is supplemented by lectures on composition of milk, care and use of milk and cream, separating and butter making.

Animal Breeding (Third Year).—Five periods a week for twelve weeks. The laws of heredity, variation and reversion, the principles of pure breeding, line breeding, in-breeding, cross-breeding, and grading up are taught under this head. The principal points to be observed in the practice of breeding, such as are incidental to selection and mating of stock, are emphasized.



Filling the School Silo

Mathematics

Arithmetic (First Year).—Five periods a week for twenty-four weeks. Text—Harvey's Practical Arithmetic. Book II. Drill upon the four fundamental operations, factoring, lowest common multiple, tests for divisibility of numbers, common and decimal fractions, mensuration, denominate numbers with tables, United States land survey, standard time, longitude and time, percentage, profit and loss, commission and brokerage, taxes, trade discount, simple interest, bank discount, proportion and square root, measurement of hay, cisterns, silos and land. Much of the work in Arithmetic will be based upon practical farm problems arising from daily field work.

Algebra (Second Year).—Five periods a week for twenty-four weeks. Text—Wells and Hart. The fundamental operations: Factoring, fractions, simple equations, radicals and quadratics are studied.

Geometry (Fourth Year).—Five periods a week for twenty-four weeks. Text—Wells Plane Geometry.

Irrigation and Leveling (Second Year).—This is a practical course for farm boys. The purpose is to give such instruction as will make it possible to lay ditches out on grade on the home farm.

Science

Home Nursing (First Year).—Five periods a week for twelve weeks. A study of the proper sanitary conditions that should surround school and farm houses, with special reference to sources of domestic water supply and the disposal of refuse. Physiology is studied for a good foundation for the work in hygiene and in home nursing.

Physics (Third Year).—Three hours of class or recitation work and four hours of laboratory work per week for twenty-four weeks. Text—Milliken and Gale (Revised). A study is made of simple machines, pneumatics, hydrostatics, heat, light, sound and electricity and their application to every-day problems. Fee, \$1.50 a term.

Chemistry (Second Year).—Three hours class and four hours laboratory a week for twenty-four weeks. Text—Foundations of Chemistry—Blanchard and Wade. Fee, \$1.50 a term. After studying the fundamental principles of pure chemistry the application of chemistry to the farm and home life is taken up. The chemical properties and values of foods, and the chemical changes and effects due to cooking and baking are studied. The elements affecting plant growth and soil fertility are studied, and the value of manure and commercial fertilizer taken up.



Chemistry

Mechanical Arts

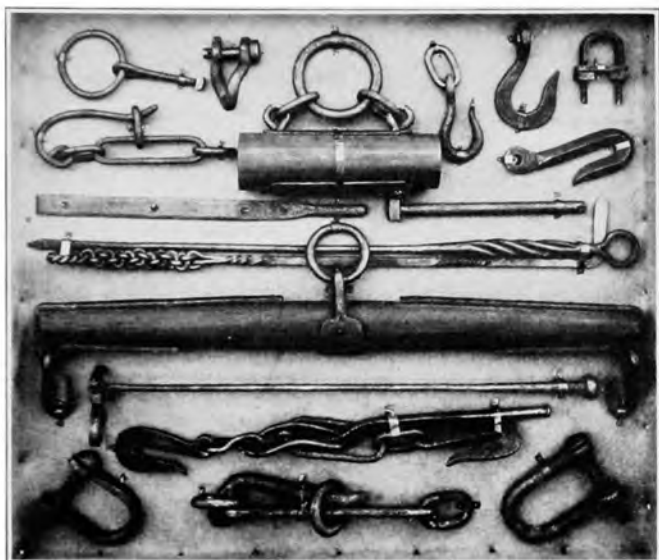
Farm Mechanics (Second Year).—Five periods a week for twenty-four weeks. Text—Davidson and Chase. A study of farm machinery and motors and of leveling, irrigation cement and concrete work. The underlying principles of farm machines of various types, a detailed study of these machines and their care is made. The various forms of power available for farm use, such as windmills, gas engines, steam engines, water wheels and electric motors are studied and compared.

Forge Work (First Year).—Ten periods a week for twelve weeks. Fee, \$2.50. After some preliminary work from blueprints in shaping, welding and tempering, plow-sharpening, making of cleavices, ice tongs, ironing double-trees and the making of other useful articles is taught. The various forging processes in iron and steel are taught, such as bending, twisting, upsetting, drawing and welding. Chains, hooks, bolts, neck-yoke centers, single-tree irons, clips and centers, and similar articles are made. Elementary work in tool steel, including the making of chisels and punches, is given.

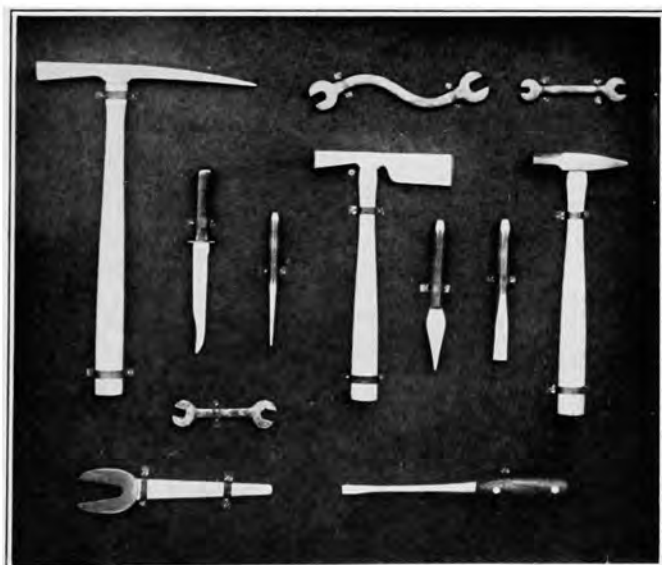
Tool-smithing.—A continuation of the course in Forge Work. The proper handling of tool steel, including forging, heat treatment and finishing, is taught, by making chisels, punches, hammers, picks and wrenches. Case-hardening of machine steel pieces, such as wrenches, is also taken up. Fee, \$3.00.



Practical Blacksmithing



Articles Used on the Farm Produced
by Students



Specimens of Work Produced by
Students in Tool-smithing



Wood Turning

Wood Turning.—A practical course, teaching the various methods of turning, such as spindle, face plate, pin and chuck work. The pieces made are as far as possible practical, including Indian clubs, vases, boxes and candlesticks. Glueing up and methods of finishing are taught. Fee, \$3.00.



Samples of Work Done by Students
in Wood Turning



Bench Work in Wood

Bench Work (First Year).—Ten periods a week for twelve weeks. Fee, \$2.50. The use and care of wood-working tools are taught. Work on exercises from blueprints is followed by the practical work, such as furniture-making, construction of window and door frames, double-trees and eveners, gates, feeding racks and troughs and water tanks.



Physics

English and Literature

First Year.—Five periods a week for twenty-four weeks. Text.—Reed and Kellogg's English Grammar. A study of the essentials of English Grammar and Elementary Composition. For the boys the work in composition consists largely of reports, outlines and descriptions of their field work.

Second Year.—Five periods a week for twenty-four weeks. Text.—Progressive Course in English for Secondary Schools, Stebbins. A study of the correct forms in writing and speaking. Letter writing, written and oral compositions are given particular attention.

Third Year.—Five periods a week for twenty-four weeks. The purpose of this course is to acquaint the pupils with our best American authors and their writings. Especial attention is given to those books which picture the beauties found in country life.

Fourth Year.—Five periods a week for twenty-four weeks. This is a course in English Literature in which the major portion of the time is given to the writers of the British Isles.

Civics

Fourth Year.—Five periods a week for twelve weeks. Government—local, county, state and national—is studied. This is a course of training in citizenship.

History

United States (Second Year).—Five periods a week for twelve weeks. Text.—School History of the United States, Mace. Particular attention is paid to the history of agriculture and industrial development in the United States and to the methods of teaching history.

General History (Fourth Year).—Five periods a week for twenty-four weeks. Myers' General History is used.

Economics

Economics (Fourth Year).—Five periods a week for twelve weeks. Elements of Economics by Burch and Nearing is used as a guide.

Geography

Political and Physical (First Year).—Five periods a week for twelve weeks. A good text is used in each subject. Much attention is given to map study, industrial geography and methods of teaching geography.

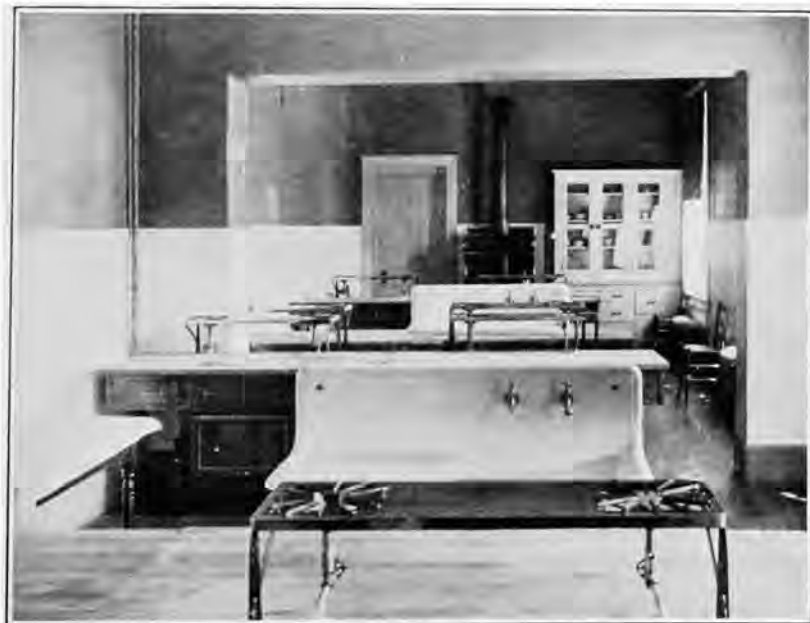
Domestic Science

Hand Sewing (First Year).—Lectures are given in the selection and use of materials, methods of making and use of thread, needles, thimbles, and tape measures; instruction is given in the different kinds of stitches, seams, hems, buttonholes, patching, darning and care of clothing.

Machine Sewing (First Year).—The training in hand work followed by directions in the care and use of sewing machines and the making of simple garments or articles for the house.

Dressmaking and Millinery (Second and Third Years).—Ten periods a week for twelve weeks. The covering and lining of a simple frame, the sewing of braids, and the making of wire frames are taught; also a few of the useful stitches in embroidery, with suggestions for their combination and application. Each girl cuts out and makes two dresses, one of washable material, and the other of woolen material. Students are taught how to fit garments, also the careful finishing of seams, hems, and plackets.

Cooking (First Year).—Ten periods a week for twelve weeks. The courses in cookery include a study of foods, together with explanation of the reasons for certain practices in cooking, practical lessons in plain cooking, knowledge of fuel and the use of the kerosene and coal range. Neatness, system and speed, (together with quietness) are strongly emphasized in the practice work of the students.



The Cooking Laboratory



At Work in the Cooking Laboratory

Advanced Cooking and Serving of Meals (Second Year).—Ten periods a week for twelve weeks. The study of the relative value to the body of different food nutrients, the planning and serving of meals suitable to varying conditions.

The House and Household Management.—House plans, house furnishings, sanitary consideration in heating, lighting and ventilation of houses, the water supply, disposal of household wastes, care of the house



The Kitchen Equipment is Modern and Up-to-date



Making House Plans

in general, the keeping of accounts, the week's routine, selection and care of supplies are studied.

Laundry.—The students are taught the use, cost of, and care of laundry equipment, of various soaps, washing powders, bluing and starches. Practice is given in removing stains and in the laundering of such linens and garments as are found in the washing of the average household.



Learning to Make Their Own Dresses

Pedagogy

Theory and Practice (Third Year).—Five periods a week for twelve weeks. Good text books, dealing with the problems of instruction, drill, testing, review, methods of assigning lessons, calling on pupils and teaching the elementary school subjects are studied.

Special Methods (Third Year).—Five periods a week for twenty-four weeks. The best methods of teaching reading, arithmetic, language, geography and history are studied, discussed and illustrated.

School Management and School Law (Third Year).—Five periods a week for twelve weeks. A study of the physical environment of the pupil, general sanitation, the teacher, his preparation and his relation to the school board, parents and pupil, the school program, incentives to study, examinations, promotions and moral training. Much time is given to study of the school laws of Colorado.

THE FORT LEWIS SHORT COURSE

For High School Students, Teachers and Others

July 7, to August 16, 1919

The course is designed for those who wish to secure credits that will be accepted at the Fort Lewis or the Colorado School of Agriculture, in Colorado High Schools and for those who wish to take the county teachers' examinations.

Special classes under special teachers will be organized in the subjects named below, provided there have been at least four applications for the subject BEFORE July 1, 1919. No summer school student will be expected to take fewer than two nor more than four subjects during the Short Course.

If it is your desire to enter the school on July 7, do not fail to notify the principal of the school before July 1, naming the subjects in which you wish classes formed.

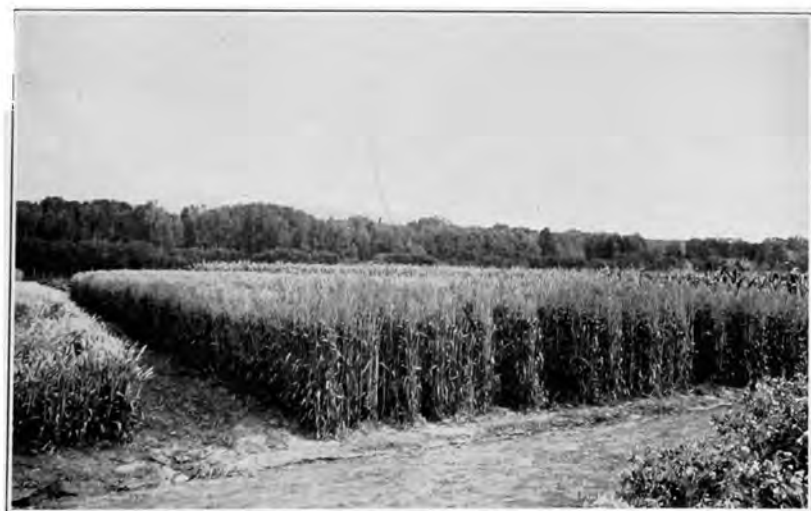
Students may select four subjects out of any of the following groups or in special cases a total of four may be selected from different groups.

Course of Study for Fort Lewis Summer Term

First Summer	Second Summer
Bench Work in Wood	Lathe Work in Wood
Forge Work	Tool Steel Work
Field Crops	Stock Feeding
Stock Judging	Stock Breeding
Horticulture	

Teachers' Course

First Summer	Second Summer
Arithmetic	Theory and Art of Teaching
English	School Management
American History	School Law
General Science	Special Methods in Teaching the
Civics	common School Subjects



Two of the Experimental Plots on the School Farm, Demonstrating
the Productivity of the Fertile Soil

Regulations

Students must secure permission before leaving the grounds. All students must have permits from home to go to town.

The use of tobacco is not permitted.

Students must not have firearms in their possession.

All students meet at the central study hall at 7 o'clock each evening for study, entertainment or attendance upon a religious or literary program.

Estimated Expenses for a Session of Six Months

FOR BOYS

Board, room, per month.....	\$ 22.00
Stationery	5.00
Entrance and Library Fee.....	5.00
Forge and Bench Fees, \$2.50 each.....	5.00
Incidental Expenses	10.00
Science Fees	4.00
Books, about	6.00
Laundry, about (May be mailed home).....	10.00
Property Deposit	3.00
Uniform.....	khaki, \$16.50; wool, \$32.50

FOR GIRLS

Board, room, per month.....	\$ 22.00
Gymnasium suit	5.00
Stationery	5.00
Science Fees	4.00
Incidental Expenses	10.00
Domestic Science Fees, \$2.00 each.....	4.00
Entrance and Library Fee.....	5.00
Property Deposit	3.00
Books	6.00
Laundry	10.00

Tuition of \$20 per year is charged to those who are not residents of Colorado.

Fees and tuition must be paid for the six months in advance. Board and room must be paid for one month in advance. There will be no refund for board for an absence of a day or two. There will be no refund of room rent so long as the room is held, and no reduction in fees and tuition to those who come later or leave before the close of school.

Regular charges are made for taking students and others to and from Hesperus and Durango or other places.

Register of Students Who Have Attended Fort Lewis School Since October, 1911

FOR LEWIS SCHOOL GRADUATES

- | | |
|---|--|
| <p>1914
McCulloch, Robert
Reeder, Orin</p> <p>1915
Fredlund, Reuben
McCulloch, Clay
Michael, Ray</p> <p>1916—March
Pollock, Bertha
Pollock, Ethel
Roubidoux, Raymond
Hammond, Platt
Fielding, Leonard</p> | <p>1916—September
Baker, C. H.
Hunt, Alice
Lundquist, Albert
McNamee, Laughlin
Snyder, T. J.
Snyder, Paul
Sullivan, Frank
Turner, Willie
Willis, Edward</p> <p>1917—September
Anderson, Esther
Skelton, Arlene</p> <p>1918—September
Eastman, Arthur
Parker, Elwin
Snyder, Glenn</p> |
|---|--|

- | | |
|-----------------------------------|-----------------------|
| Abrahms, Rhoda Pinkstaff..... | Arizona |
|Aztec, N. Mex. | Egger, Raymond..... |
| Alley, Arthur..... | Durango |
| Anderson, Esther..... | La Plata, N. Mex. |
| Baker, Hillard..... | Nebraska |
| Baird, Mrs. Calla Lansbury..... | Kline, Colo. |
|Kline, Colo. | Bayles, Bertha..... |
| Bayles, Bertha..... | Pagosa Springs, Colo. |
| Beaty, Buda..... | Pagosa Springs |
| Bond, Mrs. Mae Walker..... | Redmesa |
| Bonham, Lloyd..... | Fort Collins |
| Boyd, George..... | Ordway |
| Breeden, Helen..... | Illinois |
| Breeden, Ralph..... | Illinois |
| Brimhall, Alma..... | Fruitland, N. Mex. |
| Brinkerhoff, David..... | Mancos |
| Brinkerhoff, Levi..... | Mancos |
| Brown, Harold..... | Arizona |
| Brown, Laurence..... | Durango |
| Brown, Earl..... | Hesperus |
| Bruchez, Sophie..... | Breen |
| Burnham, Bessie..... | Redmesa |
| Burns, Walter..... | Flora Vista, N. Mex. |
| Camp, Gladys..... | Mancos |
| Canfield, Hiram..... | Arriola |
| Cavanass, Erma..... | Hesperus |
| Caviness, Mrs. Muriel Moss..... | Farmington, N. Mex. |
|Farmington, N. Mex. | Chambers, Robt..... |
|Farmington, N. Mex. | Chockley, Marian..... |
| Chockley, Marian..... | Arboles |
| Connell, Agnes..... | Durango |
| Conroy, Martha..... | Durango |
| Conroy, Mary..... | Durango |
| Cook, Edna..... | Durango |
| Costuras, Themistocles..... | Pueblo |
| Craft, Howard..... | Kline |
| Dale, Ellen..... | Redmesa |
| Daniels, Tom..... | Pagosa Springs |
| Dean, Chas..... | Redmesa |
| Dean, Louise..... | Redmesa |
| Dean, Stanley..... | Redmesa |
| Decker, Earl..... | Mancos |
| De Lusch, Mrs. Milton..... | Durango |
| Dennison, Catherine..... | Breen |
| Detl, Pierene..... | Griffith |
| Dunlap, Irvin..... | Pagosa Springs |
| Dunlap, Vera..... | Pagosa Springs |
| Dickerson, Claude..... | Pagosa Springs |
| Eastman, A. Arthur..... | Whitepine |
| Edwards, Alvin..... | Arizona |
| Egger, Raymond..... | Bayfield |
| Ellis, John..... | Mancos |
| Etz, Ada May..... | Dyke |
| Fay, Richard..... | Montrose |
| Fielding, Leonard..... | Provo, Utah |
| Fielding, Mary..... | Provo, Utah |
| Fielding, Mrs. Lydia Hammond..... | Mancos |
| Flaugh, Leon..... | Pagosa Springs |
| Fredlund, Fred..... | Fort Collins |
| Fredlund, Reuben..... | Fort Collins |
| Fredlund, Dewey..... | Fort Collins |
| Frazier, Vance..... | Durango |
| Glenn, Cleo..... | Lebanon |
| Gibbons, Vawter..... | Log Cabin |
| Gould, Walter..... | Bear Creek |
| Green, Claude..... | Durango |
| Greer, Harry..... | Kline |
| Greer, Hanna..... | Kline |
| Halls, Dilworth..... | Mancos |
| Halls, J. Lewis..... | Mancos |
| Halls, Lillie..... | Provo, Utah |
| Halls, Lee..... | Mancos |
| Halls, Roy..... | Mancos |
| Hamilton, Will..... | Kline |
| Hammond, Platt..... | Mancos |
| Hammond, Roy..... | Lebanon |
| Hammond, Mrs. Bertha Pollock..... | Mancos |
| Hamilton, Mrs. Sarah Morris..... | Ignacio |
| Hare, Will..... | Bloomfield |
| Harris, Hervey..... | Arriola |
| Harrison, Winn..... | Breen |
| Harvey, Clarence..... | Fort Collins |
| Hatch, Joseph..... | Fruitland, N. Mex. |
| Hatcher, Oscar..... | LaBoca |
| Hately, Dean..... | California |
| Helton, Golda..... | Durango |
| Henderson, Ersa..... | Hesperus |
| Hight, Evelyn..... | Vanadium |
| Hott, Powell (Died in camp)..... | Tiffany |
| Houser, Louise..... | LaVeta |
| Hubbard, M..... | Shiprock |
| Hubler, William..... | Durango |
| Huffsmith, Clyde..... | Denver |
| Hunt, Alice..... | Hesperus |
| Hunt, Roberta..... | Hesperus |
| Huntington, J..... | Hesperus |
| Humphreys, Robert..... | Hesperus |

Isgar, Mrs. Meta McCartney	Durango	Sever, Eugene	Flora Vista, N. Mex.
Jaquez, Onofre	Blanco, N. Mex.	Shafertoff, Joseph	Durango
Jones, Myrtle	Pagosa Springs	Simpson, Pat	Breen
Kermode, Alfred	Cortez	Simpson, Roy	Durango
Kimball, Carolyn	Allison	Skelton, Arlene	Shiprock, N. Mex.
Kimball, Edith	Allison	Slade, Clarence	Redmesa
Kinsley, Mrs. Kate Nicholson	Breen	Slade, Evelyn	Redmesa
Leonard, Frankie	Silverton	Slau, Ida	Breen
Lewis, Mrs. Willa Hughes	Durango	Slade, King	Breen
Lieper, Harold	Illinois	Slau, Daisy	Breen
Lilly, Lemuel C.	Cripple Creek	Smith, Russell	La Plata, N. Mex.
Lester, Hazel	Ignacio	Smith, Donald	Cortez
Longenbaugh, S.	Cortez	Smith, Elsie	La Plata, N. Mex.
Lundquist, Albert	Trinidad	Smith, Hiram	Mancos
McCall, Rex	Arriola	Snyder, Paul	Hesperus
McCarty, Tom	Durango	Snyder, T. J.	Dove Creek
McCoy, Mrs. Alice Smith	La Plata, N. Mex.	Snyder, Glenn	Hesperus
McCulloch, Clay	Durango	Snyder, Frank	Dove Creek
McCulloch, Lillie	Durango	Snyder, Clarence	Hesperus
McCulloch, Robert	Durango	Sorg, Violet	Durango
McEwen, Reuben	Cortez	Steckler, Bertha	Hesperus
McElva, Mrs. Dorothy Gonner	Victor	Steele, Jennie	Kline
McNamee, Laughlin	Deceased	Stevens, Elsie	Bayfield
Menefee, Carolyn	Mancos	Stephens, Frances	Mancos
Meyers, Duncan	Bayfield	Stinson, Mrs. Susie Ent	Kline
Michael, Ray	Hesperus	Sullivan, Frank	Fort Collins
Miller, Ella	Silverton	Sullivan, Jose	Durango
Miller, Florence E.	Kline	Taylor, Aubra	Ignacio
Miller, Sophia	Durango	Taylor, Gladys	Redmesa
Mohney, John	Kline	Taylor, George	Ignacio
Mueller, Anna	Florida	Taylor, Leo	Redmesa
Neil, Frank	Ignacio	Taylor, Lillian	McElmo
Nelson, Earl	Telluride	Taylor, Ruth	McElmo
Nelson, Frank	Durango	Taylor, Lydia	Redmesa
Nelson, David	Denver	Thayer, D. C.	Manhattan, Kans.
Nicholson, Ernest	Hesperus	Thomas, Virgil	Mancos
North, Ruth	Cortez	Thompson, Clarence	Ignacio
O'Brien, Roy	Durango	Thompson, Louise	Durango
Officer, Adaline	Creede	Thompson, Mrs. Jennie Michaels	Pendleton, N. Mex.
Olbert, Walter	Oxford	Tipotch, Isabel	Hesperus
Owby, Mrs. Lizzie McIntyre	Breen	Todd, George	Cortez
Palmer, Murray	Farmington, N. Mex.	Tovora, Mrs. Sylvia Thompson	Ignacio
Parker, Elwin A.	Greeley	Tozer, Clyde	Moqui
Payne, Tennie	Ignacio	Turner, Morrill	Ignacio
Pedwell, Sylvanus	Griffith	Turner, Willie	Ignacio
Peters, Harry	Durango	Turner, Jac. C.	Oxford
Philo, Helen	Durango	Turner, Georgia	Ignacio
Pilat, Eva	Durango	Townsend, Mrs. Irene Black	Aztec, N. Mex.
Pierce, Allen	Aztec, N. Mex.	Walker, Ruth	Redmesa
Pollock, Ethel	Allison	Walker, Lottie	Arboles
Pullce, John	Canon City	Walker, Verna	Arboles
Pulliam, Josephine	Durango	Wallace, Homer	Lebanon
Quinn, Mary	Durango	Wallace, Lena	Lebanon
Rasmussen, Henry	Hesperus	Walters, Newton	Fort Collins
Rathjen, Robert	Aztec, N. Mex.	Ward, Frank	Brighton
Reeder, Orin	Durango	Welborn, Robert	Mancos
Reester, Mrs. Minnie Nicholson	California	Weston, James	Mancos
Reim, Elsa	Mancos	Whittlesey, Webb	Durango
Retherford, Roy	Yellow Jacket	Whitson, Mrs. Laura Baird	Kline
Rockwell, Mabel	Durango	Wilden, Oscar	Redmesa
Roubidoux, Raymond	Cortez	Willis, Alex	Durango
Rust, Louise	Dolores	Willis, Ed	Durango
Samborn, Philo	Greeley	Willis, Markley, (Died in camp)	Durango
Scott, May	Fort Collins	Willis, Orlo	Colorado Springs
		Wiltse, Clara	Hesperus
		Woodbury, Ward	Cortez
		Wride, Will	Griffith
		Zanolio, Grace	Durango



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