

Manual Training Course.

The object of this Course is not to teach a trade or to manufacture articles for sale, but to impart to the Students a knowledge of tools and machinery, and to train them in the uses of these in various forms of construction in conformity with mechanical and mathematical principles. The aim throughout will be to furnish the Student with the best possible equipment for life. The work undertaken will therefore be conducted so as to educate in the truest sense. Drawing will accompany all the constructions, whether in wood or iron. Successful Drawing is the essential part in Mechanics and Engineering; but hitherto Drawing in High Schools has failed, because it has lacked its necessary complement—Construction. These two, Drawing and Construction of the thing drawn, go hand in hand in Manual Training. For a strictly professional man or woman this sort of culture is of immense value, but many Students have no inclination toward a profession, so called, but have special aptitudes for Mechanics, Engineering, Architecture, etc. A proper Manual Training Course leads directly toward these and kindred pursuits.

In the Wood-working Department (35x45 feet) are eighteen work benches, each supplied with a vise, a set of carpenter's tools, tool-rack, bench brush, and a drawer in which the Student keeps his apron, overalls and pieces of work. A line shaft, 34 feet long, is belted to 12 turning lathes on the west side of the room, also to the circular saw and the grindstone. Each lathe is provided with a set of tools. The entire machinery is driven by a five horse-power motor. This Department also contains a tool room and a cabinet.

The Drawing Department is provided with 20 drawing tables and stools, and 30 drawing boards. In a bank of 30 drawers the Students store their drawings, drawing paper and instruments.