

develops them more incidentally and more effectively than any other school study. The child's plans and calculations must be exact, his measurements must be in harmony with a fixed scale and made accurately, his work with knife, saw, chisel or plane must be definite in order that his plan may be wrought out into a properly finished product. When a boy forms a good piece of work, he is doing very effective work in forming a good character. The effort to secure accuracy, definiteness, exactness in material products, in harmony with a clearly conceived plan, weaves these important elements into the character.

Manual Training stores the mind with definite, clearly conceived, thoroughly understood ideas that form the basis of accurate thinking, and clear insight in maturer years. Ideals are received into the mind in several ways:—by verbal descriptions orally or from visible language, from illustrations printed or painted, from illustrations made in the child's presence, from a personal inspection of things, or from the use of things under the direction of a teacher, or by expressing and revealing the original conceptions and plans of the pupil himself. The last two plans are much more effective than the others—not only in fixing thought, but in making the acquired thought the centre round which new thought will naturally gather in properly comprehended relationship, and in making all thought an element in productive, propulsive character.

It aids in physical culture. The physical exercise in connection with work is strengthening to the muscles and stimulating to the vital organs, but its best influence on the health results from the fact that it provides pleasant and interesting occupation, and thus invigorates the nervous system. It is one of the most perfect tonics for the nervous systems of both children and adults.

It develops the muscular sense. Athletics and gymnastics develop physical power and muscular activity. Manual Training gives the finer cultivation of what is called "the muscular sense" which unconsciously informs the mind as to what the muscles are doing, and trains them to respond automatically to the decisions of the mind. This is a very important element in physical training.