

a flame is a burning gas and that a solid, as carbon, burns without a flame—and will be able to form an intelligent conception of many processes in nature and the arts which would otherwise be quite inexplicable.

The main topic in these lessons—for this work covers several lessons—is *chemical union*; but the other topics discussed are important and all of them help in making clearer the idea of chemical union. And this illustrates another method of making our teaching more effective and saving time in the process. I mean that while we keep in view one principal topic we should always associate it with others which are significant and worth teaching in themselves and at the same time are so related to the central topic that they can be used effectively in enforcing it.

OTTAWA SUMMER SCHOOL OF SCIENCE.

Last year a most successful and enjoyable three weeks' session Summer School was held at the Normal School, Ottawa, under the direction of Dr. J. F. White and Mr. J. H. Putman, assisted by Mr. A. E. Attwood and others. The school was well attended by teachers and other students to the number of 160.

We are glad to hear that it has been decided to hold a similar school this summer. The lectures will be given in the Normal school and in the field. The course will open on July 3 and last for three weeks. The arrangements have been handed over to Mr. J. H. Putman whose addresses were so acceptable to all in attendance last year. Mr. Putman will give an Elementary Course in Botany. Mr. A. E. Attwood will help in the field work and will lecture on Animal Biology and Mineralogy. Mr. F. E. Perney will give addresses on Physical Geography. Mr. J. F. Sullivan will help in the botanical field work. Mr. J. S. Harterre will have charge of the Manual Training classes and Miss Gallup of Sewing. Mr. J. A. Dobbie will take charge of the Art work. The course will embrace Nature Study, Domestic Science, Manual Training, Drawing and Colour Work.

In addition to the above, two lectures will be given on Insects and two on Birds, by Dr. Fletcher, and one on Fish and Fish-life by Prof. E. E. Prince.