

School teacher would have a competent knowledge of all the subjects of the High School curriculum, with a special knowledge of a whole group of cognate subjects, and he would not be under the pernicious illusion that the more hours he managed to secure for his subject the better educated his pupils would be. Moreover, in the smaller High Schools the teacher would be able to give instruction in any subject required, and thus, though he might not be able to prepare his pupils for Senior Matriculation, he would at least be able to prepare them for Junior Matriculation. There are at present, I am informed, schools in which some subjects cannot be taught, because there is nobody able to teach them. And this will become more and more the case under the present system. But, under the system I have indicated, where every High School master has studied all the subjects forming the curriculum, such a thing could not occur. We should imitate the method of the British Navy, where every officer must have a captain's certificate. And there is abundant experience to prove that, where teachers have been educated under the older system, and have therefore a good knowledge of all the subjects taught in the High School, pupils can be trained in a very satisfactory way by a small staff of energetic teachers.

In this paper I have purposely avoided dealing with the question of Technical Education, the discussion of which would require considerable space. I shall only say, that, in my opinion, it is of supreme importance that those who are to devote themselves to Applied Science should have a thorough preliminary training, such as is supplied by the kind of High School I have indicated. They should at least pass the Senior Matriculation examination before beginning their special work. The improvement of industry and commerce in Germany has been due chiefly to men trained in the Universities, and the condition of entrance into the Universities is a complete preliminary education in the Gymnasium or Realschule. Technical training for boys not intended for the higher professions should not begin before the age of 12, after a good basis of general education has been laid in English, Mathematics and Elementary Science.

As a practical scheme, embodying the suggestions of this paper, I offer the following curriculum of studies in our Public Schools and High Schools. The ages given indicate the *earliest*