

SECTION IV.—ENTRANCE EXAMINATION AND PROGRAMME OF STUDIES FOR PUPILS NOT INTENDING TO STUDY GREEK OR LATIN.

1. Pupils desiring to become Surveyors, or to study for matriculation in the University of Toronto as students of Civil Engineering, or to study the higher English branches and French without taking Greek or Latin, must have obtained, before entering the Grammar School, such an acquaintance with the English branches as may be got in good Common Schools. Such pupils, before admission to the Grammar School, must pass an entrance examination in the following subjects :—

Arithmetic.—Proportion, with Vulgar and Decimal Fractions. (To be thoroughly understood.)

Geography.—An accurate knowledge of General Geography.

English Grammar.—The analysis and parsing of ordinary sentences.

2. The preliminary entrance examination to be conducted in the same way as that prescribed for other Grammar School pupils, and to have only a temporary force until the candidates for entrance are examined and finally admitted by the Inspector.

3. The course of study for pupils of the above classes to be as follows :

First Year.

Arithmetic, from Fractions to end of the book.

Algebra, to the end of Simple Equations.

Euclid, Books I., II., III., IV., with definitions of Book V.

Elements of Natural History (including Botany) and Physiology.

French Grammar and Exercises.

Voltaire's *Histoire de Charles XII.*, Books I., II.

Outlines of British History to the present time.

English Grammar and Composition.

Drawing from Copy.

Book-keeping, including a knowledge of Commercial Transactions. Telegraphy (if desired).

Second Year.

Algebra continued.

Euclid, Book VI.

Elements of Chemistry and Natural Philosophy.

*Nature and use of Logarithms.

*Plane Trigonometry, as far as the solution of Plane Triangles.

French Grammar and Exercises, continued.

Voltaire's *Histoire de Charles XII.*, Book III.

* These subjects to be optional in the case of boys not preparing for Surveying, or for matriculation in the University in Civil Engineering.