

German, Latin, arithmetic (elementary and advanced), algebra (elementary and advanced), geometry (elementary and advanced), trigonometry (including logarithms), mensuration, book-keeping (elementary and advanced). Fee, 5s. per term for one lesson per week. 2, *Technical*: Practical geometry, architectural drawing (elementary), mechanical drawing (elementary), mechanics (including hydrostatics and pneumatics), sound light and heat, electricity and magnetism, freehand drawing. Fee, 5s. per term for one lesson per week. 3, *Technical*: Architecture, architectural drawing (advanced), mechanical drawing (advanced), machine-design, steam and the steam-engine, applied mechanics, modelling. Fee, 7s. 6d. per term for one lesson per week. 4, *Trade and Special Classes*: Theoretical and practical carpentry: Elementary (first), one lesson per week 6s. 6d., two lessons per week 10s.; advanced (second), one lesson per week 7s. 6d., two lessons per week 12s.; handrailing (third), one lesson per week, £1. Students in the first and second classes are recommended to attend twice a week. Carriage-drafting: One lesson per week, 7s. 6d. Pattern-making: One lesson per week, 7s. 6d. To be started if a sufficient number of students enrol. Photography: First class, two lessons per week, 12s.; second class, two lessons per week, 15s.; third class (advanced), two lessons per week, £1. Shorthand: First class, one lesson per week, 5s.; second class, one lesson per week, 5s.; third class, one lesson per week, 10s. Cookery (elementary): One lesson per week, 5s.; afternoon class (advanced), one lesson per week, 5s.; afternoon classes for State-school pupils, one lesson per week, 5s. Science-classes (Saturday morning, 10 a.m.—one lesson per week): Dynamics and heat, 5s.; sound and light, 5s.; electricity and magnetism, 5s.

The following is a complete list of text-books and recommendations from the instructors with reference to the various classes, from the prospectus of the college, and will, no doubt, be of considerable value to instructors in this colony engaged in class-work similar to that of the Working-men's College. The names of the instructors of the classes are given in order that they may be corresponded with by instructors of similar classes in this colony should they desire to gain information or compare notes:—

*Arithmetic* (Mr. G. B. Farlow, B.A., LL.B., Instructor).—The simple and compound rules, reduction, fractions, decimals, practice, proportion, interest and discount, averages and present ages; the measurement of area and solidity, square and cube root; practical problems relating to carpenters', bricklayers', plasterers', and painters' work. This course will be carried on in three classes—(1) commencing with such elementary work as may be found necessary, (2) commencing with fractions, (3) commencing with proportion. Text-book, Hamblin Smith's *Arithmetic*.

*Mathematics* (Mr. A. W. Craig, M.A., Instructor).—In all the mathematical classes students are expected to do the home-work prescribed at each lecture. *Mensuration*: Geometrical constructions; and the obtaining of formulæ in connection with the areas of triangles, quadrilaterals and other rectilineal figures, the circle, the ellipse; Simpson's rule for irregular areas; the volumes and amount of surface in the chief solids—parallelepiped, prism, cylinder, pyramid, cone, sphere; practical applications to artificers' work. A knowledge of elementary algebra will be of service to students in this class. No text-book is prescribed, but Todhunter's "Mensuration for Beginners" is recommended to those who may wish to read the subject for themselves. *Algebra*: The fundamental operations; factors; highest common factor and lowest common multiple; simple and quadratic equations with one and two unknown quantities; involution and evolution; indices; surds; ratio and proportion; variation; arithmetical, geometrical, and harmonical progressions; permutations and combinations; the binomial theorem. This course will be carried on in two classes—(1) for beginners, (2) commencing (for the year 1888) with simple equations. Text-book, Todhunter's "Smaller Algebra." *Geometry*: Geometrical definitions; the chief properties of straight lines, parallels, triangles, parallelograms, rectangles, and circles, as contained in the first three books of Euclid. This course will be carried on in two classes—(1) for beginners, (2) commencing (for the year 1888) at Euclid, I., 27. Text-book, Andrew and Pirani's *Euclid*, Books I.—III. *Trigonometry and Logarithms*: The different units of angular measurement, the relation between the circumference of a circle and its diameter, the definitions of the trigonometrical ratios and the relations existing between them for one and two angles. Calculations by means of logarithms, and the method of using logarithmic and trigonometrical tables. The relations between the sides and angles of triangles, the solution of triangles, the measurement of heights and distances. Before commencing this course students should have read at least three books of Euclid, and be familiar with algebra as far as quadratic equations. Text-books, Lock's "Elementary Trigonometry," Chambers's "Mathematical Tables."

*English* (Mr. W. F. Gates, B.A., Instructor).—*Grammar*: A complete course of grammar will be gone through during the year (but in the elementary class only a little derivation will be done in the third term). Particular attention will be given to the correction of ungrammatical sentences. To join the advanced class, students should be able to parse fully and analyse easy sentences. In this class, during the third term, the critical study of an English classic will be taken up. That set for the present year is Book I., "Paradise Lost." Text-book, Morell's *Grammar and Analysis*. *Composition*: The structure of sentences and the laws of punctuation will be dealt with. Students will be expected to do the exercises set periodically. Text-book, Professor Nichol's "English Composition" (Macmillan's Primer Series). Addison recommended for style. *Geography*: The course will embrace political, physical, and mathematical geography. In political, particular attention will be given to Australasia. In physical, the laws of climate, currents, winds, rainfall, dew, distribution of vegetables, &c., will be studied. Mathematical will include form, motions, and magnitude of the earth, the cause of the seasons, calculation of latitude and longitude, &c. Text-book, Sullivan's "Geography Generalised." *Writing and Correspondence*: A definite system of writing is taught. The proper form for letters, business and official, receipts, bills, &c., is explained. A blank copy-book, with good paper, and an ordinary exercise-book are required.