

**A GRADUATED COURSE OF
NATURAL SCIENCE,
EXPERIMENTAL AND
THEORETICAL, FOR SCHOOLS
AND COLLEGES, PART II.**

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A graduated course of natural science, experimental and theoretical, for schools and colleges,
Part II. by Benjamin Loewy

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BENJAMIN LOEWY

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PART II



A GRADUATED COURSE
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NATURAL SCIENCE

EXPERIMENTAL AND THEORETICAL

FOR

SCHOOLS AND COLLEGES

PART II.—SECOND AND THIRD YEAR'S COURSE

FOR THE INTERMEDIATE CLASSES OF COLLEGES
AND TECHNICAL SCHOOLS

BY

BENJAMIN LOEWY, F.R.A.S., ETC.

EXAMINER IN EXPERIMENTAL PHYSICS TO THE COLLEGE OF PRECEPTORS, LONDON

WITH SIXTY DIAGRAMS

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PREFACE

THIS second part will, I hope, be found well adapted to the requirements of the growing number of middle class and technical schools in which a general course of experimental and theoretical work is desired, which is chiefly directed to fundamental facts, and those principles of Physics and Chemistry which have found the widest practical applications. It is now generally recognised that such an introductory course should precede more special studies, and should lay a sound foundation for professional and more advanced practical work. I have throughout aimed at rendering the experiments feasible with a very limited apparatus, and inexpensive materials and appliances. The Appendix, giving "Hints" for the practical work, has received special care, and I trust that no beginner will in vain turn to it for advice in any difficulty.

I have again to express my great obligation to Mr. L. R. Wilberforce, Principal Demonstrator at the Cavendish

Laboratory, Cambridge, for his careful revision of the whole, and for enriching both the experimental and the theoretical part by many valuable additions and alterations which his practical experience as a teacher suggested, to the great advantage of the book.

THE WOODLANDS, ISLEWORTH,
September 1891.

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