

1. Record Nr.	UNINA9910480278603321
Titolo	Abridged science for high school students . Volume I / / by the Nuclear Research Foundation School Certificate Integrated ; under the chairmanship of H. Messel
Pubbl/distr/stampa	London : , : Pergamon Press, , 1966 ©1966
ISBN	1-4831-8606-7
Descrizione fisica	1 online resource (289 p.)
Disciplina	507.12
Soggetti	Science - Study and teaching (Secondary) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front Cover; Abridged Science for High School Students; Copyright Page; THE NUCLEAR RESEARCH FOUNDATION SCHOOL CERTIFICATE INTEGRATED SCIENCE TEXTBOOK GROUP; EDITORS AND AUTHORS; Table of Contents; FOREWORD; THANK YOU; INTRODUCTION; INTRODUCTION II; Chapter 1. THE UNIVERSE - LOOKING OUTWARDS AND INWARDS; THE SOLAR SYSTEM; GALAXIES; GRAVITATIONAL FIELDS; THE ATOM UNIVERSE; SOLIDS, LIQUIDS AND GASES; ELECTRICITY; THE PLANET EARTH; SCIENCE AND ITS APPLICATIONS; SCIENTIFIC METHOD; SUMMARY; Chapter 2. MATTER AND HEAT; THE EFFECTS OF HEATING MATTER; COMPRESSING MATTER; PARTICLES OF MATTER DIFFUSIONWHAT HAPPENS DURING CHANGE OF STATE?; PARTICLE MOTION AND TEMPERATURE; THE SIZES OF PARTICLES; THE KINETIC THEORY OF MATTER; SUMMARY; Chapter 3. THE SOUTHERN SKY; THE SOUTHERN CROSS; STAR TRAILS; THE SOLAR SYSTEM; THE SUN; THE PLANETS; THE SIZE OF THE SOLAR SYSTEM; TIME; SUMMARY; Chapter 4. TIME; TIME ON EARTH; MAN ON THE EARTH; LIFE ON EARTH; PAST GEOGRAPHY OF THE EARTH; THE AGE OF THE CONTINENTS; THE AGE OF THE OCEANS; THE AGE OF THE EARTH; THE AGE OF THE UNIVERSE; SUMMARY; Chapter 5. SEPARATION OF USEFUL MATERIALS; The importance of separation of materials. Sedimentation and filtrationSolution; Distillation; Diffusion; Adsorption;

OTHER INDUSTRIAL SEPARATIONS; SUMMARY; PURE SUBSTANCES; Chapter 6. MORE ABOUT HEAT; CONDUCTION OF HEAT; CONVECTION CURRENTS; RADIATION OF HEAT ENERGY; THE VACUUM FLASK; HIDDEN HEAT; EXPANSION AND CONTRACTION; THERMOMETERS AND TEMPERATURE SCALES; HEAT IS VERY IMPORTANT IN GEOLOGY; HEAT IS IMPORTANT IN AGRICULTURE; HEAT ENERGY IN THE KITCHEN; SUMMARY; Chapter 7. WEATHER; SOLAR ENERGY; AIR PRESSURE; CONVECTION IN THE AIR; FORMATION OF CLOUD AND RAIN; THE WEATHER MAP; THINGS TO DO; SUMMARY; Chapter 8. THE LIVING WORLD

LIVING AND NON-LIVING THINGS; THE PLANT BODY; THE ANIMAL BODY; VARIATIONS ON A PLAN; CELLS AND ORGANISMS; THE CELL-THE UNIT OF STRUCTURE; THE CELL-THE UNIT OF FUNCTION; UNICELLULAR ORGANISMS AND MICRO-ORGANISMS; THE CELL AND THE MULTI-CELLULAR ORGANISM; LIFE IN THE UNIVERSE; LIFE'S HOME ON EARTH; SUMMARY; Chapter 9. ELECTRICAL ENERGY; ELECTRIC CHARGES; THE ELECTROPHORUS; ELECTRIC CURRENTS; CONDUCTORS AND RESISTORS; VOLTAGE, CURRENT AND RESISTANCE; ELECTRIC CURRENTS THROUGH LIQUIDS; THE VOLTAIC CELL; MAGNETIC EFFECTS OF AN ELECTRIC CURRENT; ELECTRIC CURRENTS IN NERVES; SUMMARY
Chapter 10. WAVES-CARRIERS OF ENERGY; WATER WAVES; LIGHT AS A WAVE MOTION; SOUND AS A WAVE MOTION; SUMMARY; Chapter 11. HEAT AND CHEMICAL CHANGE. ELEMENTS; SUMMARY; Chapter 12. HEAT IN THE EARTH-IGNEOUS ROCKS AND MINERALS; VOLCANOES; IGNEOUS ROCKS; VOLCANIC LANDFORMS; MINERALS; THINGS TO DO; SUMMARY; Chapter 13. FORMS OF ENERGY AND MACHINES; MOTION; PARTICLE MOVEMENT; ENERGY DUE TO POSITION; ENERGY OF STRAIN; FORMS OF ENERGY; ENERGY TRANSFORMATIONS; THE SIMPLE MACHINES; WHAT MACHINES DO FOR US; SUMMARY; Chapter 14. GRAVITATIONAL ATTRACTION; WHAT IS A FORCE?; GRAVITATIONAL FORCES

MOTION UNDER THE ACTION OF THE WEIGHT-FORCE

Sommario/riassunto

Abridged Science for High School Students, Volume I is a general science book that provides a concise discussion of wide array of scientific topics. The book is designed to supplement integrated science courses.
The contents of the text cover a wide variety of scientific disciplines and are not structured in any way. The coverage of the book includes discussions on matter, heat, weather, gravity, time, and evolution.
The book will be of great interest to anyone who wants to have access to a wide variety of scientific disciplines in one publication.
