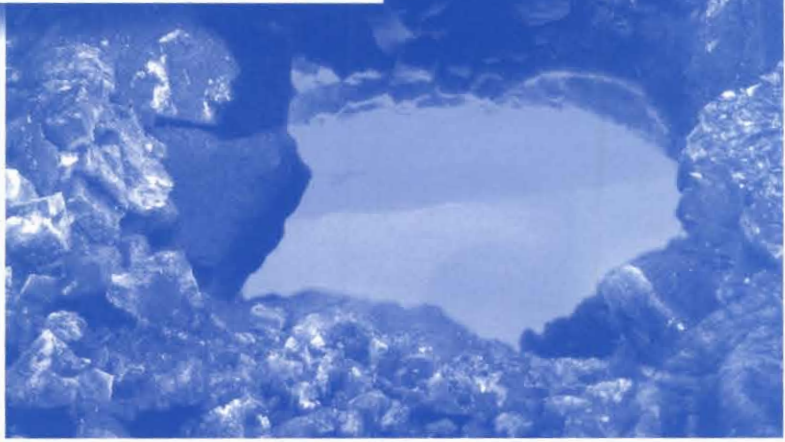
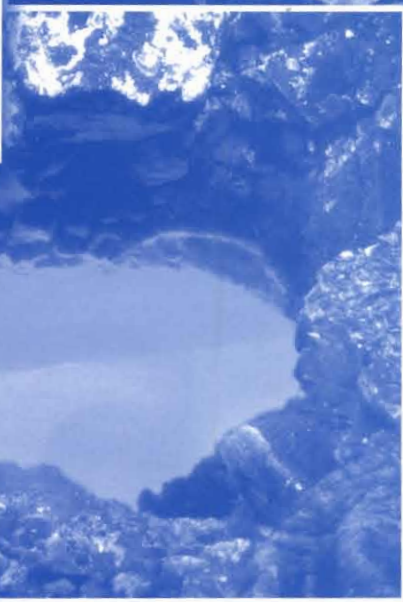
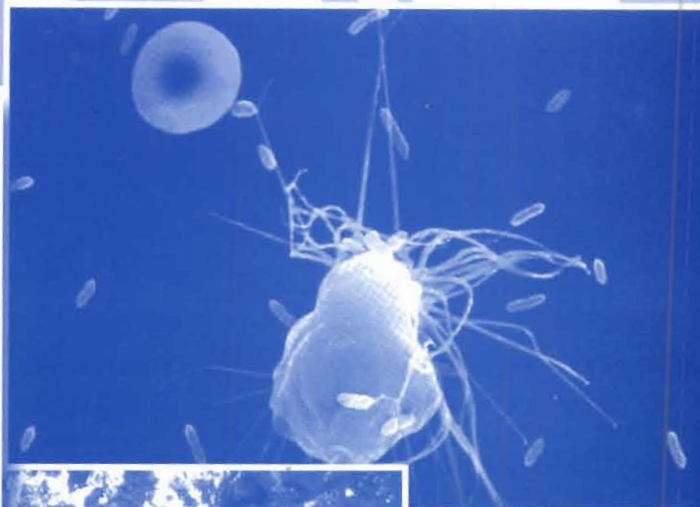


Life and Earth Sciences



8th
grade
Basic
Education

**Teacher's
Guide**



National
Textbook

Center for Educational Research and Development

New Curricula

Republic of Lebanon

Ministry of Education and Higher Education

**LIFE AND
EARTH SCIENCES**

Teacher's Guide ■

Basic Education

Grade Eight

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National
Textbook

New Curricula

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LIFE AND EARTH SCIENCES

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Together We Build Through Education!

The Center for Educational Research and Development (CERD) has embarked on an extensive workshop for assessing and developing the educational framework and curricula which have been placed into effect more than three years ago. With full realization of the fact that the educational cycle must continue normally through its components, and until the development process attains its aspired objectives, we are placing in the hands of students, teachers and directors of public schools, this corrected version of textbooks issued by CERD as part of the National Textbook Series.

This version is an interim stage incorporating the corrected typographical and linguistic errors discovered by CERD specialists as well as teachers and students through their daily dealings with the books. The process of assessment and development of the framework and curricula will take into consideration all the comments that have been made, or will be made, in this regard.

It is expected that once the curricula are developed and aligned with the general and specific objectives set for them, the textbooks will be realigned with the new curricular and framework requirements, including tying the content of a course to the number of teaching hours set for it during the school year, taking into consideration vertical alignment within the same course as well as the horizontal alignment with the rest of the courses.

I take this opportunity to invite all school administrators, teachers and students and all officials concerned in public and private schools alike, to promptly send their comments on these curricula and books as their contribution to enrichment of this momentous national process.

This workshop, which was launched under the kind sponsorship of His Excellency the Minister of Education and Higher Education in implementation of Decree No. 10227 embodying the educational curricula and their objectives, fits in with CERD's proclaimed new motto "Together We Build Through Education".

It is our earnest desire to see this national, all-inclusive workshop attracting the greatest amount of interest and participation to define the safest and soundest educational options that directly affect our children, as we vow to continually modernize education and develop its ways and means to keep abreast of modern developments and progress in science and technology.

Dr. Leila MALEEHA
President CERD

▲ FOREWORD

1. Introduction to the teaching of Life and Earth sciences	11
2. Pedagogical instructions	12
3. Evaluation	13
4. Pedagogical glossary	14
5. Official curriculum	16
6. Division in parts	17

▲ PART ONE: Immunology

• Division in chapters	17
• Detailed content of the curriculum, required competences and suggested activities	18
• Programming a teaching sequence	24
• Pedagogical intentions	26
• Answers to the activities and exercises	32

▲ PART TWO: Earth and environment

• Division in chapters	49
• Detailed content of the curriculum, required competences and suggested activities	50
• Programming a teaching sequence	60
• Pedagogical intentions	63
• Answers to the activities and exercises	66

7. Method Indexes	111
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