



CERTIFICATE BIOLOGY — Mastering Basic Concepts

This series provides a comprehensive course covering all topics required by the latest CDC Biology Syllabus. This second edition has been carefully revised to help students learn biology in an interesting, effective as well as a stimulating way. It has been updated to include many new features while retaining popular existing ones.

The course consists of **Books 1, 2 and 3**, accompanied by **Workbooks 1, 2 and 3**.

The **Teacher's Guides** offer useful teaching hints, answers to all questions in exercises and abundant teaching resources. The **Workbooks (Teacher's edition)** with overprinted answers and teaching notes provide a convenient reference. They are all available to teachers on request.

Special features

- Simple, clear and structured *text* in an easy-to-understand style
- *Chinese translations* of biological terms and difficult words
- *Key words* and *concepts* in bold for easy reference
- Well illustrated with *tables*, *full-colour annotated diagrams* and *photographs*
- **DO YOU KNOW?** at the beginning of each chapter to help students overview the main study goals
- **KEY LEARNING** at the end of each unit to summarize essential concepts and facilitate revision
- Full coverage of **PRACTICALS** with the relevant page number in Workbooks listed for easy cross-reference
- **QUESTIONS** and **CHALLENGES** to stimulate thinking and develop thinking ability beyond simple memorization
- **ACTIVITIES** to learn and apply biological knowledge in an interesting way
- **ADDITIONAL INFORMATION** to extend biology knowledge and enrich learning
- **DO YOU REMEMBER?** to strengthen the linkage among chapters through asking questions
- **CHECK YOUR CONCEPTS** to check students' ability in mastering concepts
- **WRONG CONCEPTS** to correct common misconceptions
- **EXERCISES** of all levels and past **HKCEE Questions** to check concepts and reinforce learning
- **INTEGRATED LEARNING** at the end of each section to combine and integrate main concepts from different chapters
- **PUZZLES** to build a solid understanding of concepts through games
- Answers to **QUESTIONS** and **CHALLENGES** provided

About the authors

Dr Pang King Chee [B.Sc., M.Sc., Cert. Ed., Adv. Dip. Ed., Ph. D., C. Biol., M. I. Biol.] is a teacher education specialist in biology education and curriculum development. He had served as a senior lecturer in biology education in the Department of Curriculum Studies of the University of Hong Kong, where he trained biology teachers and promoted modern methods in science teaching for ten years. He is particularly interested in methods that can help students master concepts effectively and learn in an active, interesting and challenging way. He also conducts research on concept mapping and has been a consultant to local and overseas biology textbooks. This biology course represents one of Dr Pang's efforts in promoting pleasurable and effective learning which he considers very important.

Ms Elizabeth Cheung Lai Man [B.Sc. (Hons), M.Sc. (Distinction), Postgraduate Cert. Ed. (Distinction)] is a teacher educator specialized in biology education. She has served as an assistant professor in the Department of Curriculum Studies of the University of Hong Kong. Formerly, she was the Head of the Biology Department in Sacred Heart Canossian College. She has a special interest in environmental education and has a Master's degree in environmental management from the University of Hong Kong. She likes to develop biology teaching resources and has participated in the School-based Curriculum Projects Scheme organized by the Education Department.

About the reviewer

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