

VIVID BOOKS

Recommended principles for working with the textbook

Active learning

Students don't just receive information through passive learning or reading, but discover the essence of physical phenomena through problem solving and discussions with classmates and teachers. Students are introduced to specific physical phenomena through both short texts and easily understood animations. Together, the text and animation illustrate the phenomenon being discussed and serve as a source of basic information for solving the questions.

Cooperation

Discussion is an essential part of the lesson; these can take part in smaller groups even during the solving of the questions themselves. Students can then present their solutions as the solution of the entire group.

Natural language

Discussions form an essential part of the lesson, and can take place in smaller groups while questions are being worked on. Students can then present their solutions as the solution of the entire group.

Appreciating incorrect answers

The questions in the textbook are not only aimed at verifying comprehension of the curriculum, and students can in most cases answer only on the basis of the text and animation. It is often a matter of the student coming up with their own idea and trying to defend it. In this sense, even an incorrect answer is naturally a good and useful answer.

Active participation in writing notes

The text in the textbook is not intended to be a study text for students. The learning process takes place in solving questions, when students come up with their own ideas and discuss them amongst themselves. Each lesson should be concluded with group notes which, with students' help, record the most important findings from the lesson (even if they did not have time to discuss the entire lesson). Either independently or on the basis of teachers' recommendations, students can also draw a certain part of the animation in the worksheet.



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