



Science Teachers Association of Victoria Inc.
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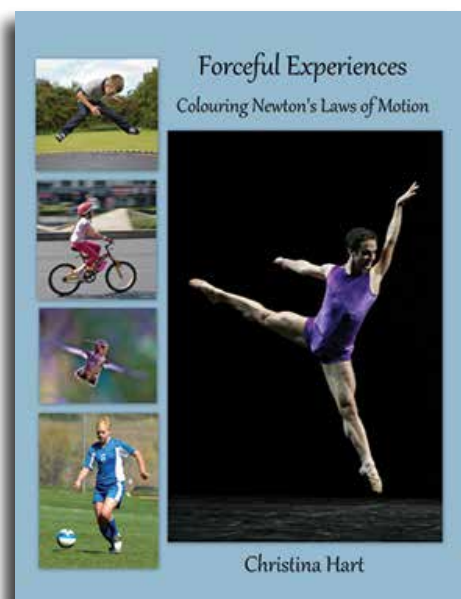
Member No.

Forceful Experiences

Colouring Newton's Laws of Motion

By Christina Hart

This resource, for teachers and students of general science at the junior high school level, introduces Newton's Laws of motion at a qualitative level. 'Forceful Experiences' takes students' experiences of motion as a starting point, and guides them to construct a more powerful framework for understanding their everyday world. The approach also provides a secure foundation for those students who will go on to study physics at a more advanced, mathematical level. Features include: Short summaries of the main conceptual points are provided at the end of each chapter. There are frequent opportunities for students to 'Pause for thought' and engage with the ideas they have encountered. These can be set as homework activities and used for small group discussions. At strategic points students are challenged to demonstrate what they have learned. Teachers can use these tasks as a basis for formative and/or summative assessment. An accompanying web page provides supporting materials for teachers and students.



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