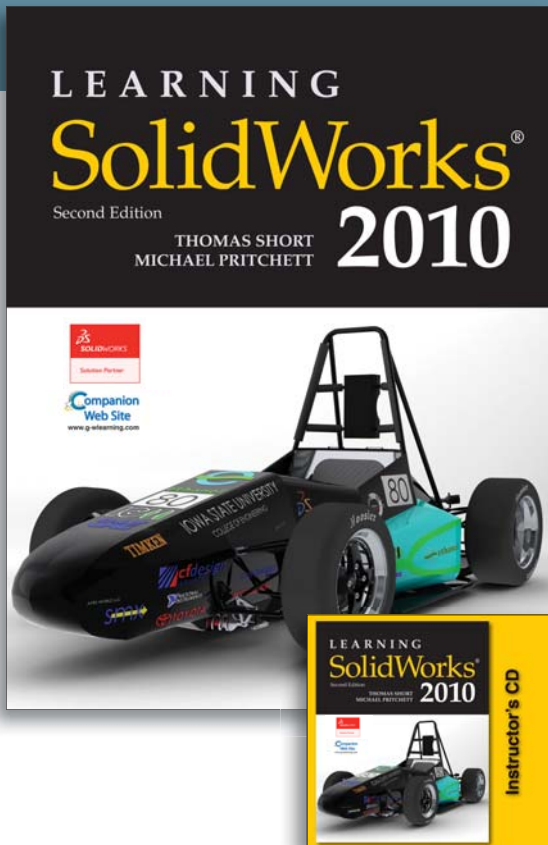


Learning SolidWorks 2010

by Thomas Short and Michael Pritchett, ©2010, 2nd Edition



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Learning SolidWorks 2010 is a hands-on text designed for beginning-level students, as well as design professionals. It is an easy-to-understand text that shows how tools are applied to real-world design problems. Instruction is based on a learn-by-doing, process-based approach. Numerous step-by-step examples and practices are presented to illustrate SolidWorks tools and modeling methods. The examples and practices are designed so that students learn key concepts and apply skills quickly.

Learning SolidWorks 2010 provides thorough coverage of parametric modeling tools used in mechanical design. The text teaches SolidWorks concepts in an easy-to-understand, practical manner. Each topic is presented in the logical sequence where it naturally fits into the design process.

The text begins with instruction on making sketches, adding relations and dimensions, and capturing design intent. Subsequent chapters show how to create features, edit part models, and build assemblies. Students are taught how to utilize reference geometry, create standard parts, make 3D sketches, and apply mates. Advanced topics, such as mechanical mates, animations, configurations, surfaces, sheet metal parts, and SimulationXpress, are also covered.

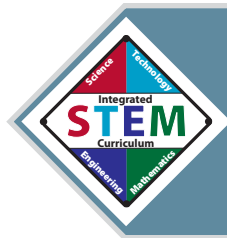
Learning SolidWorks 2010 serves as a resource for helping students prepare for the Certified SolidWorks Associate (CSWA) certification exam. The text addresses key topics featured on the exam and identifies recommended competencies related to each CSWA exam category. The Companion Web Site includes practice questions for additional CSWA exam preparation.

Features of the text include the following:

- Well-illustrated format to help promote learning.
- Numerous examples and illustrations to reinforce concepts.
- Recommended competencies for topics featured on the Certified SolidWorks Associate (CSWA) certification exam.
- Professional tips demonstrating real-world applications of SolidWorks tools.
- In-chapter examples and practices designed to help students build skills.
- Chapter tests providing reinforcement of key concepts.
- End-of-chapter exercises designed for applying skills and solving problems.

Companion Web Site

Includes SolidWorks 2010 files for examples, practices, and exercises in the text, organized by chapter. The SolidWorks 2010 software must be installed to open the files. www.g-wlearning.com/CAD



Learning SolidWorks 2010 Supports STEM

- Applied math and geometry
- Applied computer-aided drafting (CAD) technology
- Creating engineering drawings
- Design process
- Problem solving



www.g-w.com

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