



RUSD Textbook Review Notification



Rowland Unified is providing a public textbook review for the following two Engineering Design textbooks for Architecture and Design, Advanced Architecture and Design, Construction Technology I & II, and Engineering Design Technology I.

Course:
Engineering Design Technology I

Textbook:
Visualization,
Modeling, and
Graphics for
Engineering Design
ISBN 978-1-28517-
295-8 - 2017

Course:
Architecture Design & Advanced
Architecture Design

Textbook:
Architectural
Drafting and Design
ISBN 978-1-28516-
573-8 - 2017

Course:
Construction Technology I

Textbook:
Residential
Construction
Academy: Basic
Principles for
Construction
ISBN 978-1-33791-
382-9 - 2020

Course:
Construction Technology II

Textbook:
Residential
Construction
Academy: Carpentry
ISBN 978-1-33791-
850-3 - 2012

Review Location/Date/Time:

Location:

<https://rowlandschools-org.zoom.us/j/88032050205?pwd=MmIETU01NnhRbE11eEhPZnpiaUpWUT09>

Date:

Wednesday, September 22, 2021

Time:

3:30 pm - 5:00 pm

All public who desire to review these textbooks are free to do so at the specific time and location as identified. Included is the information on the textbooks that will be reviewed.



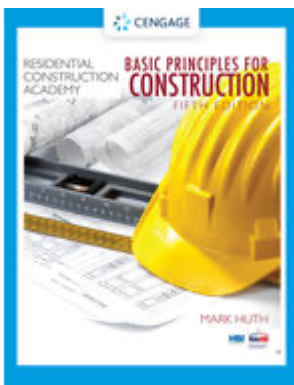
Visualization, Modeling, and Graphics for Engineering Design

Created for the next generation of engineering professionals, VISUALIZATION, MODELING, AND GRAPHICS FOR ENGINEERING DESIGN, Second Edition, combines coverage of traditional drafting essentials and the cutting-edge technology and methods today's professionals need to master for career success. This versatile text provides a strong grounding in fundamentals including core design skills, geometric dimensioning and tolerancing, sketching and drawing, and industry- and discipline-specific applications, even while recognizing how computers have enabled visualizing and modeling techniques that have changed the engineering design process. Working from this modern perspective, the authors explore critical process phases such as creative thinking, product ideation, and advanced analysis, as well as problem solving, collaboration, and communication skills essential for today's engineers and technicians. In addition to numerous updates to reflect the latest technology and trends, the Second Edition of this groundbreaking text features a more streamlined presentation, with a mix of printed and online chapters and a highly modular structure that make it easy to focus on specific topics or interests.



Architectural Drafting and Design

ARCHITECTURAL DRAFTING AND DESIGN, Seventh Edition, is the definitive text for beginning, intermediate, or advanced architectural CAD operators. This full-color, comprehensive edition covers the basics of residential design while exploring numerous types of projects that a designer or architect is likely to complete during the design process. The Seventh Edition is up-to-date with content based on the most recent editions of relevant codes, including the 2015 International Residential Code (IRC), the 2015 International Building Code (IBC), the 2015 International Energy Conservation Code (IECC), and the 2012 International Green Construction Code (IgCC). The text opens with information on architectural styles that have dominated the field over the last four centuries, followed by basic design components related to site and structure. Commercial drafting, basic construction materials, common construction methods, and drawings typically associated with commercial construction are also covered.



Residential Construction Academy: Basic Principles for Construction

Created in partnership with the Home Builders Institute (HBI)--the workforce development arm of the National Association of Home Builders (NAHB)--the RESIDENTIAL CONSTRUCTION ACADEMY Series is the only program based on the National Skill Standards for residential construction. As such, this practical text covers topics often missing from core building trades textbooks, including useful information on launching and advancing construction careers. Featuring a basic, step-by-step approach that makes even complex concepts easier to understand, as well as an engaging, full-color design and numerous photos and figures, RESIDENTIAL CONSTRUCTION ACADEMY: BASIC PRINCIPLES FOR CONSTRUCTION, Fifth Edition, is ideal for readers beginning careers in the building trades industry. The new edition includes numerous updates to provide readers with the latest information on today's industry standards, notable trends, advances in technology and techniques, and current best practices. The author also covers fundamental knowledge and skills necessary for success in the field, including work ethics, safety procedures, construction mathematics, communications, print reading, and common tools.



Residential Construction Academy: Carpentry

Created through a partnership between Home Builders Institute (HBI) and the National Association of Home Builders (NAHB), this best-selling resource uses a visual, practical, instructional approach to teach students how to build a home and help them develop essential workplace skills. RESIDENTIAL CONSTRUCTION ACADEMY: CARPENTRY, Fifth Edition, provides a logical, sequential introduction to essential construction topics. Each chapter begins with learning objectives and a glossary, features relevant pictures and diagrams to reinforce key ideas, and concludes with construction procedures and review questions. Throughout the text, the authors also highlight important techniques, tools, materials, code requirements, and best practices associated with constructing a residential building.