Powered by Connect Engineering, McGraw Hill’s resources are designed to help students achieve success in a click. Resources are powered by Connect Engineering, an easy-to-use learning platform that gives instructors access to engaging, assignable and assessable tools. All these tools are tied to learning objectives that support student success and help get students to make positive behavior changes in their lives.

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What is Connect?

Connect is a solution that fits your teaching style, empowering you to teach the way that works best for you and your students. Its flexibility allows you to create, edit, upload, share, and adjust materials to meet your needs. Connect also integrates with the three major learning management systems: Blackboard, D2L, and Canvas. We work to give you and your students access to registration, attendance, assignments, grades, and course resources in real time, in one location.
Homework & Adaptive Learning

- Contextualized assignments
- SmartBook
- Time-saving tools
- Customized to individual needs

Robust Analytics & Reporting

- Easy-to-read reports
- Individual and class performance data
- Auto grading

Quality Content & Learning Resources

- eBooks available offline
- Custom course content
- Resource library
- Consolidated resources
- Easy course sharing
- Customized to-do list and calendar
- Lecture capture

Trusted Services & Support

- Seamless LMS integration
- Training
- In-product help and tutorials
- 1:1 or group help
Probing questions help students check their knowledge and confidence, and hone in on the concepts they don’t understand to improve their performance.

Yellow highlighting provides students with just-in-time learning, focusing on the critical concepts and topics within the chapter.

Available within McGraw Hill Connect®, SmartBook® makes study time as productive and efficient as possible. It identifies and closes knowledge gaps through a continually-adapting reading experience. The student’s knowledge and self-reported confidence enables SmartBook to provide each student with long-term retention solutions. Focusing on closing knowledge gaps and long-term retention ensures that every minute spent with SmartBook is returned to the student as a value-added minute.
Connect Reports

Student Performance

Connect Reports keep instructors informed about how each student, section, and class is performing, allowing for more productive use of lecture and office hours. Instructors have the ability to assess and analyze students’ progress on assignments throughout the term, seamlessly and with ease.

<table>
<thead>
<tr>
<th>Category Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section: Garrison Management Insight Demo (Professor: Business)</td>
</tr>
<tr>
<td>Report created: 08/01/2016 2:13 PM EDT</td>
</tr>
<tr>
<td>Assignment: Chapter 2 Homework</td>
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</table>

<table>
<thead>
<tr>
<th>Bloom's</th>
<th>Questions</th>
<th>Students attempted</th>
<th>Correct</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply</td>
<td>4</td>
<td>50/54</td>
<td>72.18%</td>
<td></td>
</tr>
<tr>
<td>Understand</td>
<td>1</td>
<td>50/54</td>
<td>76.00%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Learning Objective</th>
<th>Questions</th>
<th>Students attempted</th>
<th>Correct</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO-31 Compute a predetermined overhead rate.</td>
<td>1</td>
<td>50/54</td>
<td>62.00%</td>
<td></td>
</tr>
<tr>
<td>CO-32 Apply overhead cost to jobs using a predetermined overhead rate.</td>
<td>1</td>
<td>50/54</td>
<td>76.00%</td>
<td></td>
</tr>
<tr>
<td>CO-33 Compute the total cost and average cost per unit of a job.</td>
<td>1</td>
<td>50/54</td>
<td>65.00%</td>
<td></td>
</tr>
<tr>
<td>CO-34 Understand the flow of costs in a job-order costing system and prepare a cost summary.</td>
<td>1</td>
<td>50/54</td>
<td>76.00%</td>
<td></td>
</tr>
</tbody>
</table>
Upon selecting McGraw Hill Education products for your course, you will receive the following commitment to you and your students needs.

Instructor Training Needs
Training on Connect Engineering is conducted by webinar, as well as on campus, depending on instructional needs and desires.
- Your Implementation Team is dedicated to efficient implementation of Connect Engineering and SmartBook.
- Your Digital Faculty Consultants, current Engineering instructors using Connect, are available for best practices discussions.

Student Training Needs
- McGraw Hill can conduct “First Day of Class” student trainings to ensure that students access and navigate Connect Engineering effectively as well as efficiently.
- McGraw Hill offers mid-semester student trainings and videos to help them utilize reporting features to build more effective study habits.
- Customer Service is available regularly, including during non-traditional business hours (e.g., Sunday evenings). Hours and Personnel are heightened during rush times, such as registration and finals, and this will continuously be monitored for times of greater need.

Support Commitment
- McGraw Hill provides on-going support for Connect Engineering and all digital resources that accompany our programs for the life of the adoption. You can expect unparalleled service from our full national sales, marketing and editorial teams.
- We guarantee a 24-hour response time to any questions, needs or issues which might arise throughout the life of the adoption.

Desk Copy Commitment
- McGraw Hill provides instructor desk copies for all instructors.
Engineering Titles with Connect

Engineering Mechanics

**Mechanics of Materials, 8e**
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek

**Vector Mechanics for Engineers: Dynamics, 12e**
Ferdinand Beer
E. Russell Johnston, Jr.
David Mazurek
Phillip Cornwell
Brian Self

**Statics and Mechanics of Materials, 3e**
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek

New Edition!

Aeronautical Engineering

**Fundamentals of Aerodynamics, 6e**
John Anderson

**Introduction to Flight, 8e**
John Anderson
Thermal and Fluids Engineering

**Fluid Mechanics: Fundamentals and Applications, 4e**
Yunus Cengel
John Cimbala

**Fundamentals of Thermal-Fluid Sciences, 5e**
Yunus Cengel
Robert Turner
John Cimbala

**Fluid Mechanics, 9e**
Frank M. White

New Edition Coming in late 2020!

**Heat and Mass Transfer: Fundamentals and Applications, 6e**
Yunus Cengel
Afshin Ghajar

**Thermodynamics: An Engineering Approach, 9e**
Yunus Cengel
Michael Boles

Mechanical Engineering

**Introduction to Mechatronics and Measurement Systems, 5e**
David G. Alciatore
Micheal B. Histand

**System Dynamics, 4e**
William Palm III

New Edition!

**Shigley's Mechanical Engineering Design, 11e**
Richard Budynas
Keith Nisbett

**Foundations of Materials Science and Engineering, 6e**
William F. Smith
Javad Hashemi
Electrical Engineering

**Fundamentals of Electric Circuits, 7e**
Charles Alexander
Matthew Sadiku

*New Edition*

**Engineering Circuit Analysis, 9e**
William Hayt
Jack Kemmerly
Jamie Phillips
Steven Durbin

**Signals and Systems: Analysis Using Transform Methods & MATLAB, 3e**
M.J. Roberts

**Principles and Applications of Electrical Engineering, 6e**
Giorgio Rizzoni
James Kearns

*New Edition Coming in late 2020!*

Fundamentals of Engineering

**Fundamentals of Solid Modeling and Graphics Communication, 7e**
Gary Bertoline
Eric Wiebe
Nathan Hartman
William Ross

**Numerical Methods for Engineers, 8e**
Steven Chapra
Raymond Canale

*New Edition!*

**Applied Numerical Methods with MATLAB for Engineers and Scientists, 4e**
Steven Chapra

**Engineering Fundamentals and Problem Solving, 7e**
Arvid Eide
Roland Jenison
Larry Northup
Steven Mickelson
Industrial Engineering

- Statistics for Engineers and Scientists, 5e
  - Leland Blank
  - Anthony Tarquin

- Principles of Statistics for Engineers and Scientists, 2e
  - W. David Kelton
  - Randall Sadowski
  - Nancy Zupick

- Technology Ventures: From Idea to Enterprise, 5e
  - Thomas H. Byers
  - Richard C. Dorf
  - Andrew J. Nelson

Motors and Controllers

- Electric Motors and Control Systems, 3e
  - Frank Petruzella

- Programmable Logic Controllers, 5e
  - Frank Petruzella
Electricity and Electronics Without Connect

**Electronic Principles, 9e**
Albert Malvino
David Bates
Patrick Hoppe

**Electricity: Principles & Applications, 8e**
Richard Fowler

Machining

**Machining and CNC Technology, 4e**
Michael Fitzpatrick
Keith Smith

**Technology of Machine Tools, 8e**
Steve Krar
Arthur Gill
Peter Smid
Robert J. Gerritsen

**Welding: Principles and Practices, 5e**
Connect Unavailable
Student Workbook Available
Edward Bonhart
Additional Titles

**Software Engineering: A Practitioner's Approach, 9e**
Roger Pressman
Bruce Maxim

**Introduction to Chemical Engineering Thermodynamics, 8e**
J.M. Smith
Hendrick Van Ness
Michael Abbott, Mark Swihart

**Electricity for the Trades, 3e**
Frank Petruzella

**Grob's Basic Electronics, 13e**
Mitchel Schultz

**Principles of Electronic Communication Systems, 4e**
Louis Frenzel

**Introduction to Solid Modeling Using SOLIDWORKS, 15e**
Annually Updated
Connect Unavailable
Tutorial Videos Available
William Howard
Joseph Mustoe

**Introduction to Mechatronics and Measurement Systems, 5e**
David G. Alciatore
Micheal B. Histand