



technology and computer education



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Grades 7-12 Catalogue

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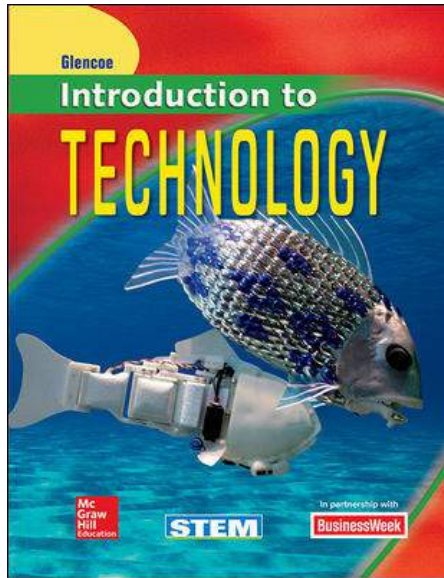
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- Business
- Science, Health & Physical Education
- World Languages
- English
- Social Studies
- Advanced Placement
- Family Studies
- Technology & Computer Education
- Mathematics



Introduction to Technology

• Pierce, Karwatka • Second Edition, © 2010 • Grades 6-9



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This resource offers teachers and students content that is driven by projects to facilitate understanding and hands-on learning.

- Integrates academics in unit-based projects and chapter-based **Technology Labs**
- **Technology Time Machine** game engages students to play and ‘crack the code’ while learning key technology content
- **Careers** profiles, **Tech Stars**, **Imagine This!** and **Eco Tech** features enhance the content with relevant information and challenging activities

Student Edition (print) 9780078797859	\$72.83
Projects Applications Workbook 9780078907128	\$23.78
Teacher Annotated Edition 9780078907111	\$124.80

Project Applications Workbook TAE 9780078907135	\$41.57
ExamView Assessment Suite CD-ROM 9780078907159	\$222.86
Presentation Plus CD-ROM 9780078907142	\$169.68
Lesson Planner Plus CD-ROM 9780078907166	\$272.54

Pre-Engineering Essentials

• Harms • © 2012 • Grades 9-12



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Glencoe's new *Pre-Engineering Essentials* motivates students and gives teachers flexibility with project-based learning at its best. The student edition contains engineering core concepts, while the practical applications and projects are online, creating a robust, interactive learning experience. The Connect Plus™ learning environment gives teachers easy access to all program assets in one place.

→ CONNECT PLUS™

- Features an integrated eBook, allowing students to complete online work while teachers create and manage assignments.

Student Edition (print) 9780078783364	\$72.83
Connect Plus™, single user	
1-year subscription 9780076602315	\$50.43
6-year subscription 9780076602322	\$94.49
Student Bundle (Student Edition with Connect Plus™)	
Single User	
1-year subscription 9780076626113	\$99.43
6-year subscription 9780076626182	\$136.60

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6-year subscription 9780076633036	\$2,127.47
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1-year subscription 9780076633043	\$2,026.45
6-year subscription 9780076633050	\$3,783.10
Connect Plus™, Up to 100 users/school/year	
1-year subscription 9780076633067	\$3,783.10
6-year subscription 9780076633074	\$6,620.41

Connect Plus™ with Print Student Edition Classroom Set (25)	
Up to 25 users/school/year 6-year subscription 9780076605019	\$3,480.24
Up to 50 users/school/year 6-year subscription 9780076621729	\$5,086.29
Up to 100 users/school/year 6-year subscription 9780076622047	\$7,840.94
<i>Online teacher access included with purchase of Connect Plus. Conditions apply to subscription orders, see page 23.</i>	

Engineering and Technology

• Brusic, Fales, Kuetemeyer • First Edition, © 2013 • Grades 9-12



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Build 21st Century skills in a real-world context. Students explore the impact of engineering and technology on their world. From robotics to biomedical engineering, *Engineering and Technology* offers practical, project-based learning.

- New chapter addressing popular topic of robotics
- Builds 21st Century and College and Career Readiness skills

→ **CONNECT PLUS™**

- Features an integrated eBook, allowing students to complete online work while teachers create and manage assignments.

Student Edition (print) 9780076625529	\$72.83
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6-year subscription 9780076632732	\$3,783.10
Up to 100 users/school/year	
6-year subscription 9780076632749	\$6,504.99
Connect Plus™ with Print Student Edition Single User	
1-year subscription 9780076632817	\$105.35
6-year subscription 9780076632824	\$140.72

*Online teacher access is included with purchase of Connect Plus.
Conditions apply to subscriptions orders, see page 23.*

Engineering Design

• Bertolina, Wiebe, Hartman, Ross • First Edition, © 2013 • Grades 9-12



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Engineering Design is our newest high school engineering program. Mastery of engineering design is essential to every engineering discipline, regardless of whether the student plans to become an engineer or an engineering technologist. This program is distinguished by its superb integration of technical graphics and the engineering design process, as well as its dynamic and interactive online program. Uses new hybrid approach with the Connect Plus™ Learning Management System

→ CONNECT PLUS™

- Features an integrated eBook, allowing students to complete online work while teachers create and manage assignments.

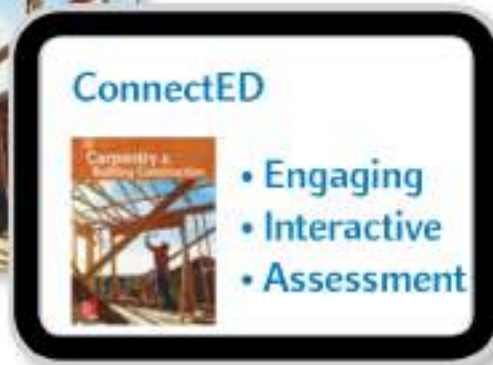
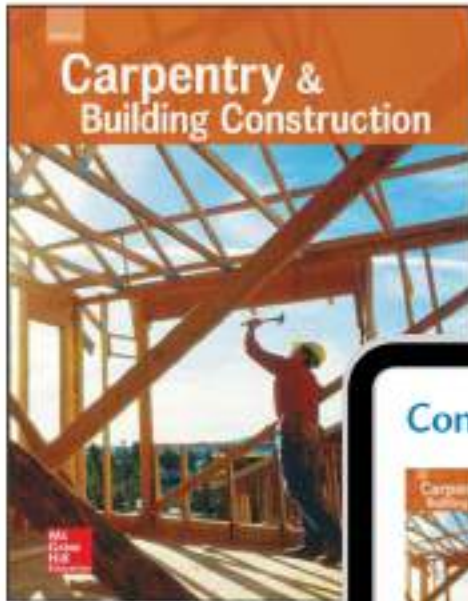
Student Edition (print) 9780078694196	\$72.83
Connect Plus™, Single User	
1-year subscription 9780076618354	\$50.43
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Connect Plus™ with Student Edition, Single User	
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6-year subscription 9780076618446	\$144.27

Connect Plus™	
Up to 25 users/school/year	
1-year subscription 9780076633661	\$1,139.83
6-year subscription 9780076633692	\$2,127.47
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1-year subscription 9780076633678	\$2,026.45
6-year subscription 9780076633708	\$3,783.10
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1-year subscription 9780076633685	\$3,546.46
6-year subscription 9780076633715	\$6,504.99

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Up to 50 users/school/year	
6-year subscription 9780076633784	\$6,163.39
Up to 100 users/school/year	
6-year subscription 9780076633791	\$9,501.41
<i>Online teacher access is included with purchase of Connect Plus.</i>	
<i>Conditions apply to subscription orders, see page 23.</i>	

Carpentry and Building Construction

• Feirer and Fierer • Eighth Edition, © 2016 • Grades 10-12



Student Edition (Print) 9780021402441	\$101.27
Online ConnectED eBook	
1-year subscription 9780021427727	\$20.24
6-year subscription 9780021427710	\$101.27
Student Edition (Print) and Online ConnectED eBook	
1-year bundle 9780021378180	\$118.16
6-year bundle 9780021378173	\$136.72
Online ConnectED Teacher Center	
1-year subscription 9780021427765	\$55.97
6-year subscription 9780021427734	\$239.95

For more information on subscription orders and technology, see page 23.

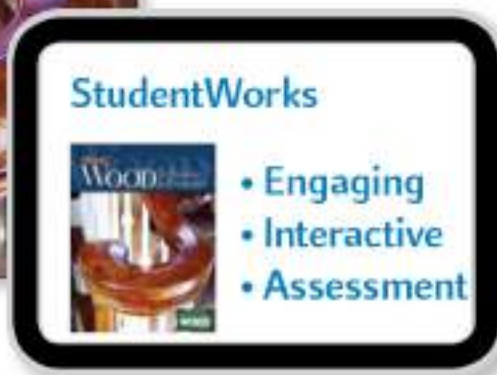
Carpentry and Building Construction is a comprehensive carpentry textbook with a focus on residential construction with many procedures while also applying to light commercial construction. The text provides detailed, heavily illustrated information about materials, tools, and processes, with many step-by-step procedures. It introduces students to the essential knowledge and skills needed to work in a professional construction environment. *Carpentry and Building Construction* exposes students to real-world carpentry careers and the practical business aspects of working in the carpentry trade.

→ CONNECT ED

- eBook – The eBook is searchable, you can post notes on pages and highlight text as needed.
- Planning Resources – Personalized teaching and learning with tools to help you plan for the day and prepare for classroom success.
- Resources and Assignments – Teachers can search resources and assign work to their students via ConnectED.

Wood Technology and Processes

• Feirer • Seventh Edition, © 2011



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Student Edition (Print) 9780078940941	\$72.83
Student Workbook 9780078940958	\$29.95
StudentWorks™ CD-ROM 9780078940972	\$100.66
Teacher Resource Guide 9780078940989	\$128.54
Print Student Edition with StudentWorks™ Plus Online	
1-year subscription 9780078957840	\$74.34
6-year subscription 9780078957857	\$79.03
StudentWorks™ Plus Online	
1-year subscription 9780078957826	\$17.99
6-year subscription 9780078957833	\$72.83

For more information on subscription orders and technology, see page 23.

Help students learn about today's woodworking techniques and tools with *Glencoe Wood Technology and Processes!*

→ STUDENT EDITION

- Comprehensive content with basic and advanced woodworking operations offers clear instructions and a strong illustration program
- *The Woodworker's Handbook* identifies tools and materials used in woodworking
- Beginner, intermediate, and advanced projects from *Better Homes and Gardens Wood Magazine* provide projects using skills learned in the text.

→ STUDENTWORKS™ PLUS ONLINE

- Provides an online version of the print Student Edition with access to bonus material, links and activities

→ STUDENT WORKBOOK

- Includes worksheets keyed both to the student text and safety practices
- Provides additional woodworking projects plus science and math activities

→ TEACHER RESOURCE GUIDE

- Contains instructional plans for each chapter, reproducible student handouts, chapter tests and answer keys

Machining and CNC Technology



• Fitzpatrick • Third Edition, © 2014

This is the first machining text that **fully integrates CNC technology!**

Beginning in the first chapter, the differences between manually operated and CNC equipment are shown and compared.

- Easy-to-read, introductory machine tool text contains the most up-to-date machining coverage
- **Computer Numerical Control (CNC)** is fully integrated in a 9-section unit that covers CNC controls, operation, programming, set-up, and CAM programming
- Bound-in Student Tutorial DVD is included

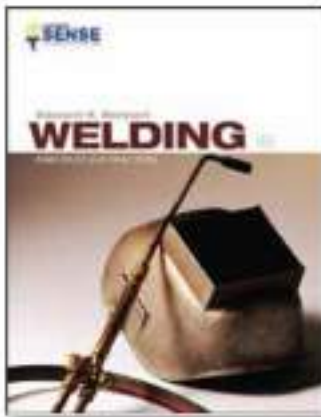
www.mheducation.ca



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Student Edition (Hardcover, with DVD,
1120 pages) 9780077805418
For current pricing call 1-800-565-5758.

Welding: Principles & Practices



• Bohnart • Fourth Edition, © 2012

This text provides students with a solid background in the basic principles and practices of welding. It introduces fundamental theory of the welding process and provides practice jobs so students develop manipulative skills and technical understanding.

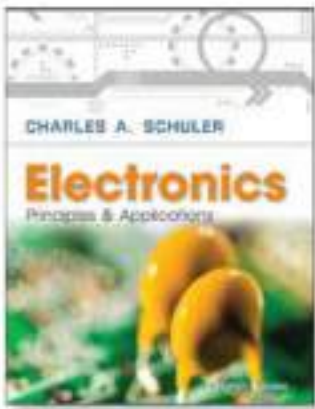
- Metals and their welding characteristics, safety practices, welding symbols, and the fundamentals of print reading are all covered

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Student Edition
(Hardcover, 1168 pages) 9780073373713
Student Workbook
(Softcover, 144 pages) 9780077475079
For current pricing call 1-800-565-5758.



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Electronics Principles and Applications

• Schuler • Eighth Edition, © 2013

This text introduces analog devices, circuits, and systems, including semiconductors of amps, linear integrating circuits and switching power supplies.

Student Edition (hardcover) with
Student Data CD-ROM 9780077567705
For current pricing call 1-800-565-5758.



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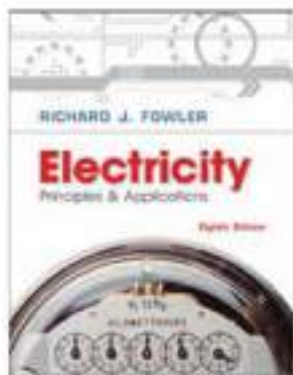
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Digital Electronics Principles and Applications

• Tokheim • Eighth Edition, © 2014

A perfect introduction to digital electronics, *Digital Electronics: Principles and Applications* provides a concise, modern approach to this fascinating subject. Easy-to-read style and colorful illustrations are ideal for a wide range of electronics courses, especially programs in which students must learn the essentials.

Student Edition (hardcover) with
Student Data Experiment Manual
CD-ROM 9780073373775
For current pricing call 1-800-565-5758.



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Electricity Principles and Applications

• Fowler • Eighth Edition, © 2013

This widely-used text prepares students for entry-level jobs in electronics, electrical trades and related fields.

- Practical, easy-to-understand explanation of DC and AC circuits
- Frequent Self-Test questions and worked examples provide students with immediate feedback and step-by-step procedures

Student Edition (hardcover) with
Student Data Experiment Manual
CD-ROM 9780077567620
For current pricing call 1-800-565-5758.

Healthcare Science Technology

• Booth, Kathryn • © 2013, Grades 10-12



Student Edition (Print) 9780078780929	\$85.43
Teacher Resource Guide (Print) 9780076614080	\$90.62
Connect Plus™ with Print Student Edition, Single Student	
1-year subscription 9780076633579	\$134.48
6-year subscription 9780076633586	\$184.17
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6-year subscription 9780076604173	\$119.05
Connect Plus™, School Subscription	
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to 100 users/school/year 6-year subscription 9780076604197	\$4,769.72
to 200 users/school/year, 6-year subscription 9780076607938	\$8,345.96

Online teacher access is included with purchase of Connect Plus.

Conditions apply to subscription orders, see page 23.

Healthcare Science Technology is the latest in McGraw-Hill's new hybrid programs featuring a print textbook plus online activities. This program was designed specifically for high school students.

→ STUDENT EDITION

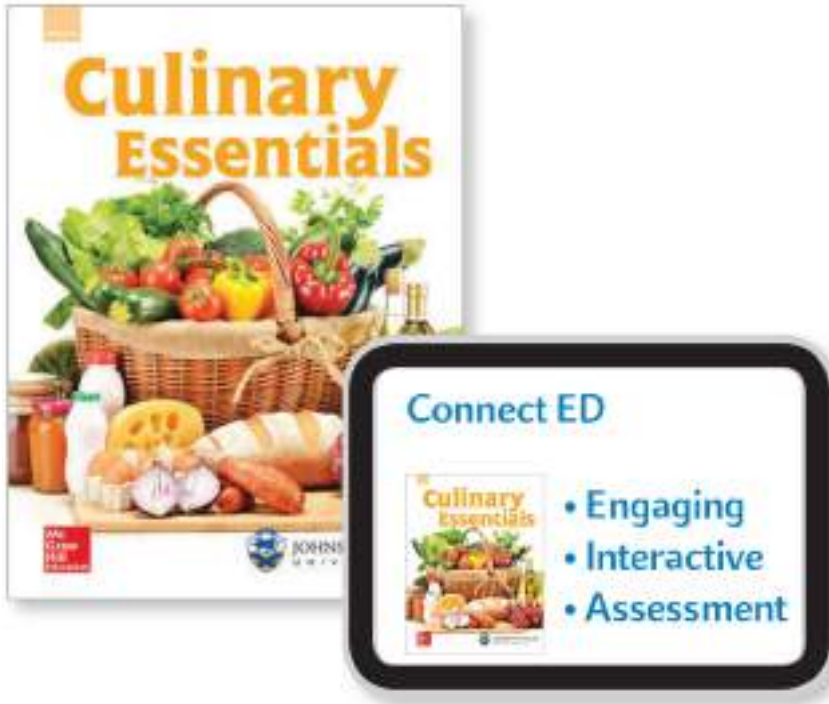
- A combination of a core textbook and over 150 animated procedures online (only available with Connect Plus™) gives students a rich, project-based, hands-on learning experience.
- Expanded coverage of Anatomy and Physiology and Biomedical (two new chapters) is provided
- Animated anatomy activities engage and motivate students.

→ CONNECT PLUS™

- Students can complete their work online, where it is checked and placed in a grade book for teachers. Teachers can also create and manage assignments. Teachers save valuable time by managing classroom work online through Connect Plus™.

Culinary Essentials

• Johnson & Wales University • Fourth Edition, © 2016 • Grades 10-12



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Culinary Essentials teaches students the essential knowledge and skills needed to become culinary professionals and work in a professional food service environment. *Culinary Essentials* exposes students to real-world culinary careers and the practical business aspects of working in a food service setting.

The text focuses on:

- Safety and sanitation
- The value of quality customer service, and foodservice management and standards
- Lab-based food preparation, cooking techniques and culinary nutrition
- Menu planning and development, and standardized recipes

Student Edition (Print) 9780021397181	\$82.78	Online Teacher Center 6-year subscription 9780021428472	\$239.95
Online Student Edition 6-year subscription 9780021392674	\$82.78	1-year subscription 9780021428489	\$55.97
1-year subscription 9780021392704	\$16.57	<i>For information on subscription orders and technology support, see page 23.</i>	
Print and Online Student Edition 6-year bundle 9780021398065	\$111.75		
1-year bundle 9780021397723	\$96.58		

Food and Nutrition Program



• First Edition, © 2014 • Grades 9-12



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This flexible new program allows you to choose the content you need in the format you prefer.

→ STUDENT EDITION

- Engaging high-interest activities with up-to-date Canadian content on issues combining hands-on education, practical application of knowledge, and the development of critical thinking and research skills

→ CONNECTSCHOOL FOR STUDENTS

- Complete interactive student resource with personalization tools and integrated learning assets including videos, interactive lessons and activities, self-study quizzes and study plans

→ TEACHER'S RESOURCE (PRINT+ CD-ROM+ ONLINE)

- Includes ready-made lesson plans and assessment and evaluation strategies
- Includes a CD-ROM containing a PDF of the full print Teacher's Resource with modifiable blackline masters and a CD-ROM with the photos and images from the Student Edition to include in PowerPoints or on worksheets

→ CONNECTSCHOOL FOR TEACHERS

- Fully Integrated powerful Teaching & Learning Program with all your teaching materials in one location. Includes complete interactive student resource, Teacher resource, a wealth of media assets, PowerPoints, interactive lessons and activities, quiz builder and the ability to customize your course content.

GRADES 9-10

Food Preparation: An Introduction	
Student Edition (print, softcover) 9781259030895	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259031199	\$104.50
CONNECTschool Teacher 5-yr access (up to 2 teachers) 9781259031175 (shipped)	\$150.00
9781259855290 (emailed)*	\$150.00
CONNECTschool Student Access per student, per course 9781259650505 (shipped)	
9781259855337 (emailed)*	
1-9	\$11.25
10-24	\$8.50
25-99	\$7.25
100+	\$6.15
Print Student Edition with CONNECTschool Student Access per student, per course 9781259650925	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

Nutrition and Healthy Eating: An Introduction	
Student Edition Print (print, softcover) 9781259030901	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259031137	\$104.50
CONNECTschool Teacher 5-yr access (up to 2 teachers) 9781259031212 (shipped)	\$150.00
9781259855689 (emailed)*	\$150.00
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9781259855665 (emailed)*	
1-9	\$11.25
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25-99	\$7.25
100+	\$6.15
Print Student Edition with CONNECTschool Student Access per student, per course 9781259651076	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

Food In Society: An Introduction	
Student Edition Print (print, softcover) 9781259030871	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259031113	\$104.50
CONNECTschool Teacher 5-yr access (up to 2 teachers) 9781259031236 (shipped)	\$150.00
9781259855252 (emailed)*	\$150.00
CONNECTschool Student Access per student, per course 9781259650468 (shipped)	
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Print Student Edition with CONNECTschool Student Access per student, per course 9781259650888	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

3 for 1 Teacher CONNECTschool Access	
5 Year Access (up to 2 teachers per title) Includes : Foods Preparation, Nutrition and Healthy Eating, and Food in Society access 9781259463044	\$300.00

*Purchase online only.

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GRADES 11-12

Nutrition and Healthy Eating: Choices, Practices, and Patterns	
Student Edition Print (print, softcover) 9781259030864	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259030581	\$104.50
CONNECTschool Teacher 5-year access (up to 2 teachers) 9781259024887 (shipped)	\$150.00
9781259855733 (emailed)*	\$150.00
CONNECTschool Student Access per student, per course 9781259650574 (shipped)	
9781259855719 (emailed)*	
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10-24	\$8.50
25-99	\$7.25
100+	\$6.15
Print Student Edition with CONNECTschool Student Access per student, per course 9781259651083	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

Food Preparation: Foundations and Techniques	
Student Edition Print (print, softcover) 9781259022654	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259023002	\$104.50
CONNECTschool Teacher 5-year access (up to 2 teachers) 9781259023026 (shipped)	\$150.00
9781259855320 (emailed)*	\$150.00
CONNECTschool Student Access per student, per course 9781259650529 (shipped)	
9781259855306 (emailed)*	
1-9	\$11.25
10-24	\$8.50
25-99	\$7.25
100+	\$6.15
Print Student Edition with CONNECTschool Student Access per student, per course 9781259650949	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

Food in Society: The Economy, the Environment, and Culture	
Student Edition Print (print, softcover) 9781259030888	\$26.10
Teacher's Resource (Print+Online+CD-ROM) 9781259024863	\$104.50
CONNECTschool Teacher 5-year access (up to 2 teachers) 9781259024894 (shipped)	\$150.00
9781259855375 (emailed)*	\$150.00
CONNECTschool Student Access per student, per course 9781259650499 (shipped)	
9781259855351 (emailed)*	
1-9	\$11.25
10-24	\$8.50
25-99	\$7.25
100+	\$6.15
Print Student Edition with CONNECTschool Student Access per student, per course 9781259650918	
1-9	\$35.49
10-24	\$32.87
25-99	\$31.69
100+	\$29.03

3 for 1 Teacher CONNECTschool Access	
5 Year Access (up to 2 teachers per title) Includes : Foods Preparation, Nutrition and Healthy Eating, and Food in Society access 9781259463051	\$300.00

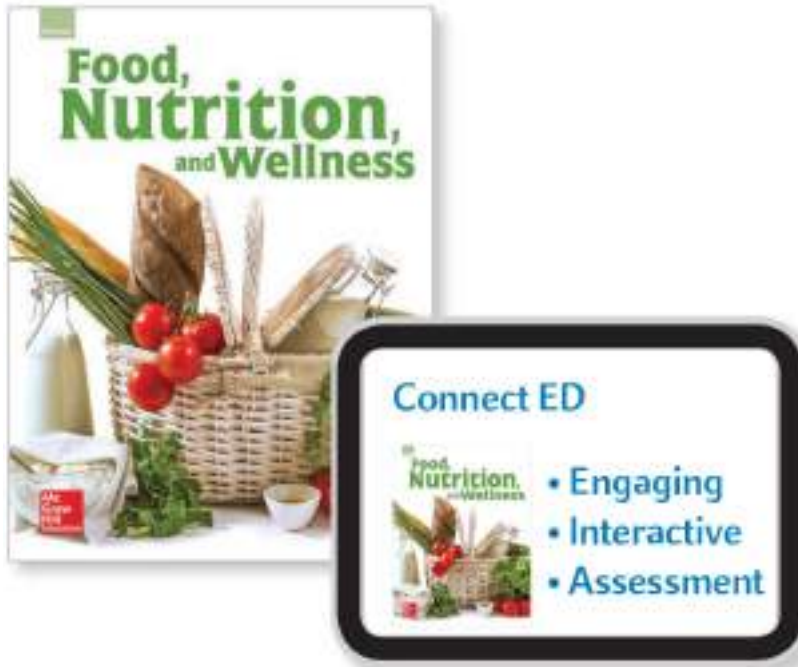
*Purchase online only.

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For order information and technology support, see page 23.

Food, Nutrition and Wellness

• Duyff • © 2016 • Grades 7-10



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Food, Nutrition & Wellness teaches students the skills they need to make healthful food choices, prepare nutritious meals, and bring physical activity and wellness practices into their daily lives.

The text focuses on the wellness of mind and body, food and kitchen safety, and the qualities, varieties, and combinations of foods.

Unit projects provide an opportunity for students to apply what they learned to a hands-on activity designed to be academically rigorous and personally relevant and help students build relationships at home, school, work, and in the community.

Student Edition (Print) 9780021402564	\$82.78
Online Student Edition 1-year subscription 9780021399604	\$16.57
6-year subscription 9780021399598	\$82.78

Print and Online Student Edition 1-year bundle 9780021397952	\$96.58
6-year bundle 9780021397945	\$111.75
Online Teacher Center 1-year subscription 9780021399635	\$55.97
6-year subscription 9780021399628	\$239.95

For information on subscription orders and technology support, see page 23.

SIMnet for Office 2016

• Triad Interactive • © 2017, Grade: 9-12

NEW!



www.mheducation.ca/school

• More Information

SIMnet is McGraw-Hill Education's leading solution for learning and assessment of Microsoft® Office skills and beyond! *SIMnet* provides a virtual Microsoft Office environment that is available completely online, through multiple browsers, with nothing to install. Students can practice and study their skills anytime and anywhere!

High School Version, Office Suite		High School Version, Single Module	
1-year Subscription		1-year Subscription	
9780078984051	\$83.13	9780078984082	\$58.40
3-year Subscription		3-year Subscription	
9780078984075	\$91.80	9780078984112	\$61.20

Exploring Careers

• Kelly-Plate, Volz-Patton • © 2013, Grades 7-9



CAREERS

This program helps students build the knowledge and skills they need to make informed career decisions and achieve success in the world of work. *Exploring Careers* motivates students to explore the world of career options through a fun, game-like online learning experience with a travel theme!

Exploring Careers is an **online only** subscription program.

- Engaging game-like format encourages students to consider each of the 16 career clusters.
- Individualized learning plans to achieve career goals.

Online Student Edition

1-year subscription 9780078909054	\$67.24
6-year subscription 9780078909061	\$126.07

School Subscriptions

Up to 50 users/school/year,	
1-year subscription 9780076633623	\$1,518.46
6-year subscription 9780076611232	\$2,833.81
Up to 100 users/school/year,	
1-year subscription 9780076633630	\$2,699.33
6-year subscription 9780076614004	\$5,038.68
Up to 200 users/school/year,	
1-year subscription 9780076633647	\$4,723.50
6-year subscription 9780076614011	\$8,818.02

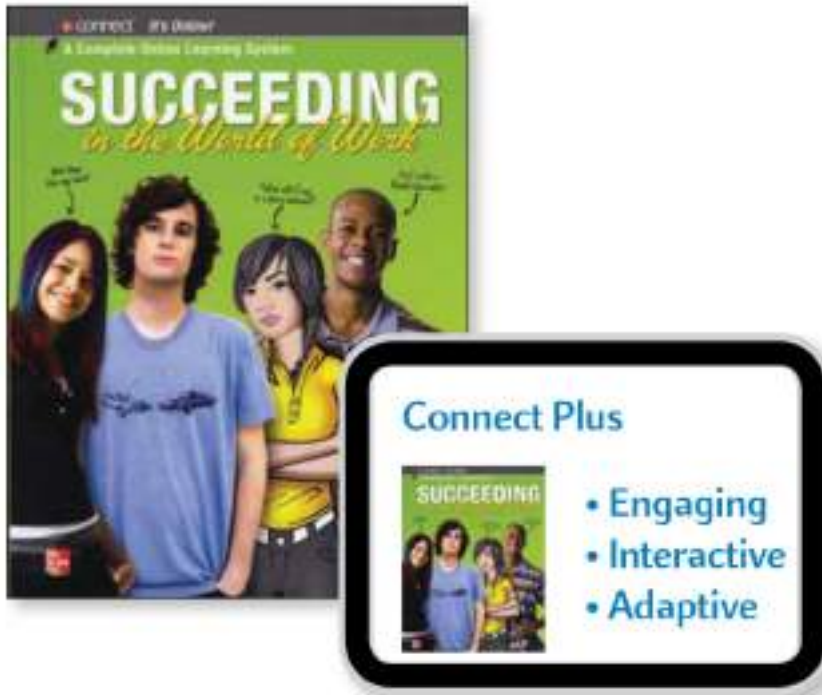
Teacher Materials

Teacher Access	
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