



RUSD
Textbook Review Notification



Rowland Unified is providing a public textbook review for the following two Career Technical Education textbooks for two new Career Technical Education courses.

New Course:

Automotive Technology III

Textbook:

Modern Automotive Technology – Ninth Edition
ISBN 978-1-63126-375-0

New Course:

Advanced Foods and Nutrition – Fifth Edition

Textbook:

Nutrition & Wellness for Life
ISBN 978-1-63563-076-3

Review Location/Date/Time:

Location:

**Rowland Unified School District
Education Services Office**

Date:

Tuesday, April 17, 2018

Time:

3:00 pm – 5:00pm

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.



Modern Automotive Technology, 9th Edition



By: James E. Duffy

ISBN: 978-1-63126-375-0

Format: Hardcover

Copyright: ©2017

Subject: Automotive

Grade Level: 9-14

Description

Modern Automotive Technology, supports career readiness for those wishing to pursue a job in the automotive industry. Organized around the ASE automobile test areas, it details the construction, operation, diagnosis, service, and repair of late-model automobiles and light trucks. Student-focused content is presented using a building-block approach that starts with the fundamental principles of system operation and progresses gradually to complex diagnostic and service procedures. Thorough coverage of the latest developments in the automotive field, including hybrid technology and direct gasoline injection, helps prepare students to service and repair today's complex vehicles. **Modern Automotive Technology** is also a perfect reference for those preparing for the ASE automobile certification tests.

- Organized around the ASE automobile test areas and correlated to the 2017 NATEF Task List (MLR, AST, and MAST).
- Short sentences, concise definitions, and thousands of color images help students learn quickly and easily.
- Strong emphasis on electricity and electronics provides students with a thorough understanding of this key topic.

Previous Edition

Modern Automotive Technology, 8th Edition

Table of Contents

Introduction to Automotive Technology

1. The Automobile
2. Automotive Careers and ASE Certification
3. Basic Hand Tools
4. Power Tools and Equipment
5. Auto Shop Safety
6. Automotive Measurement and Math
7. Service Information and Work Orders
8. Fasteners, Gaskets, Seals, and Sealants
9. Vehicle Maintenance, Fluid Service, and Recycling
10. Career Success

Engine Technology

11. Engine Fundamentals
12. Engine Design Classifications
13. Engine Top End Construction
14. Engine Bottom End Construction
15. Engine Front End Construction
16. Engine Size and Performance Measurements

Fundamentals of Electricity and Electronics

17. Electrical Principles
18. Circuit Types and Ohm's Law
19. Electric and Electronic Components
20. Electrical Tools and Test Equipment
21. Wiring Diagrams and Wiring Repairs
22. Basic Electrical Tests

Computer Control Technology

23. Computer System Fundamentals
24. On-Board Diagnostics and Scan Tools
25. Computer System Service

Electrical and Electronic Systems Technology

Emission Control System Technology

51. Emission Control System Technology
52. Emission Control System Testing, Service, and Repair

Engine Troubleshooting and Performance

53. Engine Performance and Driveability
54. Advanced Diagnostics

Engine Service and Repair

55. Engine Mechanical Problems
56. Engine Removal, Disassembly, and Cleaning
57. Short Block Rebuilding and Machining
58. Engine Top End Rebuilding
59. Front End Service
60. Engine Reassembly, Installation, and Break-In

Drive Train and Axle Technology

61. Clutch Technology
62. Clutch Diagnosis, Service, and Repair
63. Manual Transmission Technology
64. Manual Transmission Diagnosis, Service, and Repair
65. Automatic Transmission Technology
66. Automatic Transmission Diagnosis, Service, and Repair
67. Drive Shaft and Transfer Case Technology
68. Drive Shaft and Transfer Case Diagnosis, Service, and Repair
69. Differential and Rear Drive Axle Technology
70. Differential and Rear Drive Axle Diagnosis, Service, and Repair
71. Transaxle and Front Drive Axle Technology
72. Transaxle and Front Drive Axle Diagnosis and Repair

Suspension and Steering Technology

73. Tire, Wheel, and Wheel Bearing Fundamentals
74. Tire, Wheel, and Wheel Bearing Diagnosis, Service, and Repair
75. Suspension System Technology

26. Hybrid Drive Technology
27. Hybrid Drive Systems Diagnosis and Repair
28. 12-Volt and HV Battery Technology
29. 12-Volt and HV Battery Service
30. Engine Starting Systems
31. Starting System Diagnosis, Testing, and Repair
32. Charging System Technology
33. Charging System Diagnosis, Testing, and Repair
34. Ignition System Technology
35. Ignition System Diagnosis, Testing, and Repair
36. Lights, Instrumentation, Wipers, and Horns—Operation and Service
37. Sound Systems and Power Accessories
38. Security and Navigation Systems

Fuel, Exhaust, and Induction System Technology

39. Automotive Fuels, Combustion Efficiency
40. Fuel Tanks, Pumps, Lines, and Filters
41. Gasoline Injection Fundamentals
42. Gasoline Injection Diagnosis and Repair
43. Diesel Injection Fundamentals
44. Diesel Injection Diagnosis, Service, and Repair
45. Exhaust System Technology and Repair
46. Turbochargers and Superchargers—Construction, Operation, and Repair

Cooling and Lubrication Systems Technology


47. Cooling System Technology
48. Cooling System Testing, Maintenance, and Repair
49. Lubrication System Fundamentals
50. Lubrication System Diagnosis, Testing, and Repair

Correlations

NATEF Standards

-  2013 NATEF Automobile Service Technology (AST) Task List (PDF, 621 KB)
-  2013 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 572 KB)
-  2013 NATEF Master Automobile Service Technology (MAST) Task List (PDF, 751 KB)
-  2017 NATEF Automobile Service Technology (AST) Task List (PDF, 723 KB)
-  2017 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 693 KB)
-  2017 NATEF Master Automobile Service Technology (MAST) Task List (PDF, 775 KB)
-  ASE Maintenance and Light Repair (G1) Task List (PDF, 567 KB)
-  ASE Student Certification Task List (PDF, 599 KB)
-  MLR Shop Manual: 2013 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 564 KB)
-  MLR Shop Manual: 2017 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 679 KB)
-  Shop Manual: 2013 NATEF Automobile Service Technology (AST) Task List (PDF, 618 KB)
-  Shop Manual: 2013 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 654 KB)
-  Shop Manual: 2013 NATEF Master Auto. Service Technology (MAST) Task List (PDF, 649 KB)
-  Shop Manual: 2017 NATEF Automobile Service Technology (AST) Task List (PDF, 708 KB)
-  Shop Manual: 2017 NATEF Maintenance and Light Repair (MLR) Task List (PDF, 680 KB)
-  Shop Manual: 2017 NATEF Master Auto. Service Technology (MAST) Task List (PDF, 755 KB)



Precision Exams

-  Automotive Service Standards (PDF, 605 KB)

Tennessee New Waiver Policy

-  Maintenance and Light Repair I (PDF, 448 KB)

Texas

-  Automotive Basics (PDF, 98 KB)
-  Automotive Technology I: Maintenance and Light Repair (PDF, 120 KB)

76. Suspension System Diagnosis and Repair
77. Steering System Technology
78. Steering System Diagnosis and Repair
79. Wheel Alignment

Brake System Technology

80. Brake System Technology
81. Brake System Diagnosis, Service, and Repair
82. Anti-Lock Brakes, Traction Control, and Stability Control

Heating and Air Conditioning Technology

83. Heating and Air Conditioning Fundamentals
84. Heating and Air Conditioning Diagnosis, Service, and Repair

Safety Systems and Future Technologies

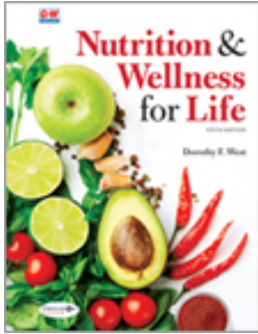
85. Restraint System Technology
86. Restraint System Service
87. New and Future Technology

About Author(s)

James E. Duffy - has devoted much of his professional life to developing educational materials that help people understand vocational and technical subjects. Mr. Duffy earned a Bachelor of Science degree in Industrial Technology from Indiana State University. After college, Mr. Duffy worked as an automotive instructor at Brandon High School in Brandon, Florida, and at Hillsborough Adult Education Center in Tampa, Florida. After teaching for several years, Mr. Duffy joined Goodheart-Willcox Publisher as a technical editor and eventually began writing textbooks. In addition to *Modern Automotive Technology*, Mr. Duffy's books include *Auto Electricity and Electronics*, *Auto Engine Repair*, *Automatic Transmissions and Transaxles*, and *Manual Drive Trains and Axles*.



Nutrition & Wellness for Life, 5th Edition



By: Dorothy F. West, Ph.D., Cindi Calhoun, and Jessica Peconi-Cook

ISBN: 978-1-63563-076-3

Format: Hardcover

Copyright: ©2019

Subject: Food / Nutrition

Grade Level: 9-12

Description

Nutrition & Wellness for Life stresses the importance of healthful eating and physical activity across the life span. The text explores how decisions affect wellness at the various stages of the life cycle. Students will learn the body's need for various nutrients may be greater at some stages of the life cycle. Health and wellness begins in the kitchen and healthy eating requires planning and preparation. The text discusses safe food handling as well as healthy menu planning and food preparation techniques. **Nutrition & Wellness for Life** includes strategies for staying physically active through the life span. It covers the special needs of the competitive athlete. Students will learn how to recognize sources of stress and healthy strategies for reducing their impact on total wellness.

- New chapter on food preparation instructs on basic cooking skills and ingredients
- New features include *Movement Connection*, *Community Connection*, *Food and the Environment*, and *Recipe File*
- New *Movement Connection* features in every chapter provide a micro-lesson on an aspect of physical activity and the opportunity for students to participate in an activity burst which can be performed in the classroom
- Includes current, up-to-date content on the new Nutrition Facts label, 2015–2020 Dietary Guidelines, DASH eating plan, and other topical nutrition content
- Critical Thinking and Core Skills activities extend learning

Previous Edition

Nutrition & Wellness for Life, 4th Edition

Table of Contents

Unit 1: Food Habits and Wellness

1. Making Wellness a Lifestyle
2. Factors Affecting Food Habits
3. Practicing Safe Food Habits

Unit 2: Understanding Nutrients

4. Nutrients and You
5. Nutrition Guidelines
6. Carbohydrates
7. Lipids: Fats and Oils
8. Proteins
9. Vitamins
10. Minerals
11. Water

Unit 3: Managing Your Nutrition

12. Energy Balance
13. Healthy Weight Management
14. Nutrition Across the Life Span
15. Eating for Sports Performance
16. Eating Disorders

Unit 4: Serving Up Nutrition

17. Planning Healthy Meals
18. Shopping for Food
19. Preparing Food

Unit 5: Other Aspects of Wellness

20. Staying Physically Active
21. Mental and Social Wellness
22. Stress and Wellness
23. Drug and Supplement Use and Your Health

About Author(s)

Dorothy F. West, Ph.D. - attended Pennsylvania State University where she earned a bachelor's degree in dietetics and master's degree in teacher education with an emphasis on family and consumer sciences. Dorothy received her doctorate in teacher education with an emphasis on home economics secondary education and family resource management from Michigan State University. She stayed on to serve as an associate professor in the Department of Family and Child Ecology. She has developed and taught courses on curriculum, evaluation, and strategies for teaching nutrition at the secondary level. Dorothy played an active role in writing nutrition curriculum for the Michigan State Department of Education.

Dorothy has taught in the Netherlands, Okinawa, and England. She served as Chairperson of the Social Sciences Department at the LCC International University in Lithuania and taught foods courses at Kodaikanal International School in India. She played a role in the development of the International Baccalaureate (IB) middle school food technology curriculum materials. During her career, Dorothy has been active in membership and leadership roles with the Michigan Association of Family and Consumers Sciences (MAFCS) and American Association of Family and Consumer Sciences (AAFCS).

Cindi Calhoun - attended University of California, Los Angeles where she earned a bachelor's in anthropology and a masters of public health with a focus on health curriculum to reduce high risk behaviors in elementary and middle school students. She currently teaches food preparation and nutrition principles classes at Palisades Charter High School.

Jessica Peconi-Cook - authored the Movement Connection features found in each chapter. Jessica earned her bachelor of science degree in health and physical education from Slippery Rock University and a master of science in sport science from Indiana University of Pennsylvania. She currently teaches physical education at Mount Lebanon School District and serves as Executive Director for the Pennsylvania State Association for Health, Physical Education, Recreation, and Dance.

Products/Prices

Product(s)	Pages	ISBN	Retail Price	School Price
Text	622	978-1-63563-076-3	\$99.96	\$74.97
Online Text, 1yr. Individual Subscription				
Online Learning Suite, 6yr. Classroom Subscription (min. 15)		978-1-63563-079-4	\$114.96	\$86.22
Bundle (Text + Online Learning Suite, 6yr. Classroom Subscription) (min. 15)		978-1-63563-080-0	\$149.92	\$112.44
Workbook	168	978-1-63563-081-7	\$24.00	\$18.00
* Instructor's Edition	654	978-1-63563-077-0	\$140.00	\$105.00
* Instructor's Resource CD		978-1-63563-082-4	\$260.00	\$195.00
* ExamView® Assessment Suite CD		978-1-63563-083-1	\$248.00	\$186.00
* Instructor's Presentations for PowerPoint® CD, Individual License		978-1-63563-084-8	\$244.00	\$183.00
* Online Instructor Resources, 6yr. Individual Subscription		978-1-63563-085-5	\$528.00	\$396.00
Companion Website				

Phone:
800.323.0440
708.687.5000

Fax:
888.409.3900
708.468.8692

E-mail:
custserv@g-w.com
orders@g-w.com

Mail:
Goodheart-Willcox Publisher
18604 West Creek Drive
Tinley Park, IL 60477-6243

Products/Prices

Product(s)	Pages	ISBN	Retail Price	School Price
Text	1888	978-1-63126-375-0	\$140.00	\$105.00
Online Text, 1yr. Individual Subscription				
Online Learning Suite, 1yr. Individual Access Key Code		978-1-63126-755-0	\$84.00	\$63.00
Online Learning Suite, 6yr. Classroom Subscription (min. 15)		978-1-63126-380-4	\$168.00	\$126.00
Bundle (Text + Online Learning Suite, 1yr. Individual Access Key Code)		978-1-63126-817-5	\$182.00	\$136.50
Bundle (Text + Online Learning Suite, 6yr. Classroom Subscription) (min. 15)		978-1-63126-381-1	\$217.00	\$162.75
* Common Cartridge, 1yr. Individual Access Key Code		978-1-63126-838-0	\$88.00	\$66.00
* Common Cartridge, 1yr. Individual Subscription		978-1-63126-852-6	\$88.00	\$66.00
* Common Cartridge, 2yr. Individual Access Key Code		978-1-63563-121-0	\$104.00	\$78.00
Bundle (Text + Common Cartridge, 1yr. Individual Access Key Code)		978-1-63563-424-2	\$186.00	\$139.50
Bundle (Text + Common Cartridge, 2yr. Individual Access Key Code)		978-1-63563-425-9	\$193.00	\$144.75
Shop Manual	944	978-1-63126-378-1	\$56.00	\$42.00
Bundle (Text + Shop Manual)		978-1-63126-530-3	\$176.40	\$132.30
Workbook	approx. 800	978-1-63126-376-7	\$36.00	\$27.00
Bundle (Text + Workbook + Shop Manual)		978-1-63126-773-4	\$208.80	\$156.60
Bundle (Text + Workbook)		978-1-63126-377-4	\$158.40	\$118.80
MLR Shop Manual	432	978-1-63126-379-8	\$44.00	\$33.00
Bundle (Text + MLR Shop Manual)		978-1-63126-529-7	\$165.60	\$124.20
* Instructor's Resource CD		978-1-63126-387-3	\$264.00	\$198.00
* ExamView® Assessment Suite CD	over 3100 questions	978-1-63126-388-0	\$266.64	\$199.98
* Instructor's Presentations for PowerPoint® CD, Individual License	over 4200 slides	978-1-63126-389-7	\$260.00	\$195.00
* Online Instructor Resources, 1yr. Individual Access Key Code		978-1-63126-691-1	\$128.00	\$96.00
* Online Instructor Resources, 6yr. Individual Subscription		978-1-63126-382-8	\$528.00	\$396.00
Online Learning Suite, 2 yr. Individual Access Key Code		978-1-63126-668-3	\$100.80	\$75.60
Bundle (Text + Online Learning Suite, 2 yr. Individual Access Key Code)		978-1-63126-669-0	\$189.00	\$141.75

Phone:
800.323.0440
708.687.5000

Fax:
888.409.3900
708.468.8692

E-mail:
custserv@g-w.com
orders@g-w.com

Mail:
Goodheart-Willcox Publisher
18604 West Creek Drive
Tinley Park, IL 60477-6243