

# CAREER AND TECHNICAL EDUCATION TEXTBOOKS AND SUPPLEMENTAL MATERIALS REVIEW

2022-2023

(ARCHITECTURE AND CONSTRUCTION; INFORMATION TECHNOLOGY; TRANSPORTATION, DISTRIBUTION AND LOGISTICS)

Tier I, Exemplifies Quality	90% - 100%	Approved by AL State Board of Education
Tier II, Approaching Quality	80% - 89%	Approved by AL State Board of Education
Tier III, Not Representing Quality	79% and Below	Rejected by AL State Board of Education

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
<b>Architecture and Construction</b>					
<b>9<sup>th</sup>-12<sup>th</sup></b>	Residential Construction Academy: Carpentry	Cengage	<b>66%</b>	Comprehensive	No Comments.
<b>9<sup>th</sup>-12<sup>th</sup></b>	Delmar's Standard Textbook of Electricity	Cengage	<b>80%</b>	Comprehensive	No Comments.

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
9 <sup>th</sup> -12 <sup>th</sup>	Refrigeration and Air Conditioning Technology	Cengage	80%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Welding: Principles and Applications	Cengage	88%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Architecture: Residential Drafting and Design	Goodheart-Willcox	86%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Cabinetmaking, 6th Edition	Goodheart-Willcox	90%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Carpentry, 13th Edition	Goodheart-Willcox	87%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Residential Wiring, 12th Edition	Goodheart-Willcox	90%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Essential Electrical Skills for HVACR	Goodheart-Willcox	87%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Masonry: Brick, Block, Stone, 9th Edition	Goodheart-Willcox	86%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Plumbing, 9th Edition	Goodheart-Willcox	80%	Comprehensive	No Comments.

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
9 <sup>th</sup> -12 <sup>th</sup>	Engineering Fundamentals: Design, Principles, and Careers, 3rd Edition	Goodheart-Willcox	91%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Welding Fundamentals, 6th Edition	Goodheart-Willcox	88%	Comprehensive	No Comments.
<b>Information Technology</b>					
9 <sup>th</sup> -12 <sup>th</sup>	CompTIA A+ Guide to IT Technical Support (Hardware and Software)	Cengage	96%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	CompTIA Security+ Guide to Network Security Fundamentals- Computer Science 1	Cengage	91%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	CompTIA Security+ Guide to Network Security Fundamentals- Computer Science 2	Cengage	92%	Comprehensive	Resource should be purchased with the intent of preparing students for the CompTia Security certification exam.
9 <sup>th</sup> -12 <sup>th</sup>	Technology for Success: Computer Concepts, Updated	Cengage	93%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Guide to Operating Systems	Cengage	92%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	CompTIA Network+ Guide to Networks	Cengage	95%	Comprehensive	No Comments.

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
9 <sup>th</sup> -12 <sup>th</sup>	Python Programming	CompuScholar	89%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Java Programming	CompuScholar	97%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	C# Programming	CompuScholar	93%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Digital Savvy	CompuScholar	89%	Comprehensive	Needs more projects.
9 <sup>th</sup> -12 <sup>th</sup>	Computer Maintenance 1A/1B	eDynamic	58%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Intro to Networking 1A/1B	eDynamic	63%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Intro to Programming 1A/1B	eDynamic	88%	Comprehensive	No Comments
9 <sup>th</sup> -12 <sup>th</sup>	Operational Cybersecurity 1A/1B	eDynamic	78%	Comprehensive	Material is very general with little detailed content.
9 <sup>th</sup> -12 <sup>th</sup>	Workplace and Internship Readiness	eDynamic	87%	Supplemental	Good resource to provide a foundation for IT Internships and WBL courses.
6 <sup>th</sup> - 8 <sup>th</sup>	Middle School Exploring Information Technology	eDynamic	88%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Principles of Information Technology 1A/1B	eDynamic	60%	Comprehensive	No Comments.

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
9 <sup>th</sup> -12 <sup>th</sup>	Programming 2A/2B	eDynamic	93%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Cyber Security 1A/1B	eDynamic	69%	Supplemental	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Network Security Fundamental 1A/1B	eDynamic	64%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Networking Fundamentals	Goodheart-Wilcox Co	92%	Comprehensive	The textbook alone is not enough information. Must purchase workbook and study guide as well.
9 <sup>th</sup> -12 <sup>th</sup>	Intro to Computer Science-Java Programming	Goodheart-Wilcox Co	74%	Comprehensive	No Comments.
9 <sup>th</sup> -12 <sup>th</sup>	Principles of Cybersecurity	Goodheart-Wilcox Co	90%	Comprehensive	Awesome textbook for anybody starting off with entry level Cyber Security class.

Grade Level/Subject Area	Textbook Title/Series	Publisher	Average Reviewer Score	Supplemental or Comprehensive	Textbook Committee Comments
<b>Transportation, Distribution, and Logistics</b>					
9 <sup>th</sup> -12 <sup>th</sup>	Automotive Technology: A System Approach	Cengage	85%	Comprehensive	On-line content is thorough.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Diesel Technology: Light Duty Diesel	Cengage	82%	Comprehensive	Textbook is up to date with current diesel technology for light duty trucks.
9 <sup>th</sup> -12 <sup>th</sup>	Modern Automotive Technology	Goodheart-Wilcox	85%	Comprehensive	Textbook is sufficient to meet minimum course of study standards.
9 <sup>th</sup> -12 <sup>th</sup>	Auto Collision Repair and Refinishing	Goodheart-Wilcox	86%	Comprehensive	Graphic illustrations are labeled and easy to read.

*Disclaimer: Scores may vary based on supplemental material when compared to COS, etc. Any commentary represents collaborative work by the textbook review committee and should not be attributed to any single person, the ALSDE, SBOE, etc.*

*Please note the following:*

- *Alignment to High-Quality Instructional Materials characteristics were embedded in the scoring rubric.*
- *A **comprehensive textbook/program** is defined as one that meets the standards outlined in the 2022 Alabama Courses of Study for Career and Technical Education Clusters Architecture and Construction, Information Technology, and Transportation, Distribution, and Logistics.*
- *A **supplemental textbook/program** is used to support and extend the critical elements of a comprehensive textbook/program. A supplementary textbook/program is not sufficient to be used as the primary resource for a particular grade or course.*