CAREER TECHNICAL EDUCATION TEXTBOOK MATERIALS REVIEW 2020-21

(Agriculture, Food and Natural Resources; Law, Public Safety, Corrections, and Security; Science, Technology, Engineering, and Mathematics-STEM)

Exceeds Criteria	3.00　(recommended to Board for approval)
Meets Criteria	2.00 – 2.99 (recommended to Board for approval)
Inadequate Criteria	1.00 – 1.99 (recommended to Board for rejection)
Supplements	Recommended for Board approval

Grade Level/Subject Area	Textbook Title/Series	Publisher	Reviewer One Evaluative Scores	Reviewer Two Evaluative Scores	Overall Review Evaluative Score	Supplemental	Textbook Committee Comments
Agriculture, Food, and Natural Resources	The Natural Resources System	Goodheart	2.46	2.62	2.54	No	- The chapter on Career Planning is excellent with exceptional examples and discussion of SMART goals. - Online option is great. - Really up to date and covers any area or natural resources I believe anyone would be interested in covering. - Images are excellent and a nice ratio of text to image. - Incorporates STEM connections - Includes FFA and SAE opportunities in every chapter. - Nesting of historical events is up to date and relevant. - Page numbers between online and text version align. - It needs to be made clear what online resources students and instructors will have if they only select a textbook and not the online learning suite. - Looks like the only teacher resources are online so this should be a consideration. - This could be a higher reading level than younger students or lower reading levels can handle.
	The Principles of Agriculture, Food, & Natural Resources	Goodheart	2.12	1.95	2.03	No	- The material aligns well with Orientation to Agri-science and Agri-science Exploration COS. - Easy to use online learning. - Resources can be printed and easily distributed to students as needed. - Solid activities with opportunities for higher-level thinking.

							- The videos are slightly bland, but definitely informative. - Full use of online content would require access to the online text or physical text. - The material aligns well with Orientation to Agri-science and Agri-science Exploration COS. - Easy to use online learning. - Resources can be printed and easily distributed to students as needed. - Solid activities with opportunities for higher-level thinking. - The videos are slightly bland, but definitely informative. - Full use of online content would require access to the online text or physical text.
	Small Gas Engines	Goodheart	2.40	2.13	2.27	No	- In depth material that is easy to understand coupled with great pictures beneficial to teaching the content. - Standards align with AL COS Standards. - Not enough correlation to CTSO involvement. - Online book "My Bookshelf" content is simple, but effective...not too complex for students - Online workbook allows the user to print conventional workbook sheets or use "form fields" to complete digitally. - Most of the PowerPoints have colorful and applicable imagery to correlate with material - material is relevant, engaging and up-to-date for student instruction
	Landscape Design, Installation, & Management	Goodheart	2.22	2.04	2.13	No	- Chapter 2 in this textbook could be used in all CTE courses and is a comprehensive look at the six new Foundational CTE Course of Study Standards. - The content is concise and to the point. In addition, higher order thinking skills are discussed as well as the basics that every student should consider when planning and getting ready for the workforce, career or being an owner operator in the Agriculture Industry. - The Career Readiness Indicators CRI listed for Plant Science Pathway in Alabama is not specifically instructed in this text. Teachers would have to add to the curriculum to build and train students in the CRI for the Plant Science Pathway. However, using this text would support a teacher in a way that would easily allow them to implement the current Green Industry or another CRI that is approved for Landscaping, or related Plant Systems Courses. - Well laid out text that appears to be current with modern up to date landscaping practices discussed. Content is modernized in addition with modernized images and descriptions alongside lessons. - A student taking this course using the new COS with partnership with this textbook and understand the skills

							• and knowledge needed to run and operate a successful landscape business. • Online practice available for students: Vocabulary, Know and Understand (Commonly known as: End of Chapter Review) allow students to "own" their learning as well as engage with the standards for the course. • Suggested Activities and Critical thinking skills offered at the end of each chapter, allows teacher to differentiate training as needed in the classroom. • While this course is not a Math or Agriculture Construction course there are mathematical and construction-based concepts throughout the textbook. That would allow for making real world connections between content standards from other courses required for students in Alabama. • The textbook has a GW Companion website that connects students to learning practices. The concern is that it does not take a student to a specific learning lesson that relates to the chapter being studied. The student is taken to all of the G-W activities for the entire book. This may be difficult for some learners to identify what lesson they should practice or review. • Appears to be additional cost for buying online text, printed workbook and LMS system. Simply buying the text would provide a great deal of support for classroom instruction but additional tools may add additional costs. • Online text rights are only good for a limited amount of time. • Link to video content or supporting video of projects throughout text would help educators/students to see how to make various items. This would be a tool that would support learning of skills related to this industry that currently supported with images in the text. If there are videos to support, I could not easily find them. • Textbook is well written but is written for an 11th or 12th grade student or higher and could even be used for a business owner operator as a resource text for best practices in industry.
	Horticulture Today	Goodheart	2.02	2.04	2.03	No	• Good specific curriculum, especially for FFA CDEs and review • Very up-to-date materials • Design of resources will hold attention of students.
	Principles of Floral Design: An Illustrated Guide	Goodheart	2.40	2.35	2.38	No	• The textbook is beautiful visually and is modern in the visual presentation of floriculture topics. • Color images of hands-on labs with step- by- step directions for easy use for students and teachers. • Images in text are up to date and cover a diverse population of learners.

							• Implements the new foundational State Standards in chapter 1 discussing Careers in Floriculture in a way that is welcoming to all learners and does not reference geopolitical concepts. In addition, the content that is listed is efficiently represented for both the instructor and the learner in this lesson covering all six foundational standards. • Students have access to online manipulatives that they practice terms and concepts. • End of chapter has "Summary, Know and Understand, Critical Thinking, STEM and Academic Activities, Communicating about Floral Designs and SAE Opportunities." Allowing opportunity to engage higher order thinking skills among all learners. • The companion workbook gives learners without access to adequate internet access to engage in each lesson. • More of a Hybrid model of online text and traditional printed text. It appears that you have to buy access to the Learning Management System for this program and it is not part of the package. • Appears to be additional cost for buying online text. • Online text rights are only good for a limited amount of time. • Link to video content or supporting video of projects throughout text would help educators/students to see how to make various items. This would be a tool that would support learning of skills related to this industry that currently supported with images in the text. • The Career Readiness Indicators CRI listed for Plant Science Pathway in Alabama is not specifically instructed in this text. Teachers would have to add to the curriculum to build and train students in the CRI for the Plant Science Pathway. Although, alternate testing does appear to be available for students through the text for additional charge. • It is difficult to understand if the supplemental workbook is needed or not. It appears that the workbook is similar to the end of the chapter questions and concepts.
	The Science of Animal Agriculture	Cengage	2.11	2.14	2.13	No	• Well organized material, and easy to follow format. • The material is well planned and does algin with ALCOS. • It will grade for online learning for the students can work at their own pace. • Great literacy projects ideas embeded • Will need supplemental labs to go with content presented.
	Exploring Agri-science	Cengage	2.12	2.13/2.15	2.13		• This system of resources was confusing with going between the online version (mindtap) a testing system for CRI's and the instructor resources. It was almost too much. However, once this decision is made and with training, It may not be issue.

						No	• It is not clear whether you get the online mindtap access if you have the text. Does not appear so. Same with the testing option. • Does not include state specific content, not well aligned with FFA and does not include anything on electrical, welding, hunting, plumbing or overall safety. • Not able to view the instructor's as it was not downloading. I did go online and read reviews and it seems to be organized and with good reviews. • Liked the incorporation of the S/P2 Soft Skills Bundle
	Wildlife and Natural Resource Management	Cengage	2.09	2.23	2.16	No	• Chapters and sections well organized. • Has excellent audio feature that reads the printed text for student great for visually impaired
	Welding Principles and Applications	Cengage	2.15	2.04	2.10	No	• Option for text and/or online interactive are available. This provides options for traditional and remote learning. • Aligns well ALSDE Standards. • Excellent safety lessons • Excellent non-text content • Instructor has ability to edit online content to meet standards. • Instructor can adapt materials for various learning styles and skill levels. • Provides online support for instructors and students. • Not clear if online content included with traditional text. Therefore, supplemental materials and/or additional rights to content may be required at an additional cost. This may cause budgetary concerns. • Content did not appear to cover spectrum of accomplishments and contributions by all sexes, races and physical conditions. • Interactive engagement activities for online are not the same as those for traditional text. • Additional support provided for both student and teacher with online text and learning activities. • It appears that this online text is its own learning management system which could provide teachers the opportunity to use an online platform if needed for instruction. • Several of the quizzes and interactive activities online give students feedback for their knowledge instantly. • The online content provides a teacher the opportunity to edit, remove and hide lab items, practice items as needed to meet the content standards. The teacher has a great deal of autonomy to meet of the various learners in the classroom as well as meet the requirements of the COS and SS. • Textbook is well laid out and gives clear directions and indicates major learning points.

							• Online text is superior to the printed text in the capabilities it has to engage the learner. There are many "bells and whistles" that lend itself to learning by doing and engaging with technology. • Safety lessons are on point and are a must in any welding course. • The opportunities to engage with the traditional printed text are not the same as the online format of the text. A teacher could pull up the student version of the online text in the classroom to present and instruct but they may be required to buy additional online rights, causing additional costs and limited use for the rights to the content.
	Floriculture: Designing and Merchandising	Cengage	2.05	2.05	2.05	No	• Online assessments available. • Clearly defined learning objectives that follow the standards • Good visual resources available for further student learning • Visually updated and modern • Online access • Clear objectives
	Agriculture Mechanics: Fundamentals and Applications	Cengage	2.11	2.24/1.93	2.09	No	• This classic curriculum provides an excellent overview of the agricultural mechanics and woodworking laboratory settings. • The publisher continues to enhance the effectiveness of this title with each edition, making the content relevant with generation utilizing it. • Online platform offers engaging activities and practice from reading to image labeling. • Lack of images in Power point presentations • Lack of video resources in online supplements • Possible issues with Google Chromebooks retrieving material from Cengage/Mindtap interface • Materials can be accessed via online or printed. • Standards align with AL COS Students. • Power points are long and almost all text. • Very few videos as reference.
	Equine Science	Cengage	2.70	2.20	2.45	No	• The material is well planned and does algin with ALCOS. • Easy to use with online learning. • Good Ideas for literacy • Will need to supplement with labs and hands- on activities. • Very few labs presented. • Clearly defined learning objectives. • Built in online assessments. • Good supplemental resource page at end of each chapter. • Nice embed supplemental videos. • Has excellent audio feature that reads the printed text for student great for visually impaired.

	Residential Construction Academy Carpentry	Cengage	2.11	2.19	2.15	No	• Textbook and online platform reference International Residential Code which is imperative for those entering home building work-force. • Engaging online resources, particularly "Code Simulation Challenges" that allow students to 'inspect' construction scenarios. • Dewalt- Professional License Credentialing offered • Content would be more credible if endorsed by Alabama Home Builders Association • Materials can be accessed via online or printed. • Standards align with AL COS Students. • PowerPoints are long and almost all text. • Very few videos as reference.
	Agri-science Fundamentals and Applications	Cengage	2.12	2.12	2.12	No	• Standards/objectives are aligned. • Relevant to students' needs, interests, and abilities. • Material develops background and vocabulary. • Teaches soft skills
	Landscaping: Principles and Practices	Cengage	2.05	2.05	2.05	No	• Online assessments available. • Clearly defined learning objectives that follow the standards • Good visual resources available for further student learning
	Introductory Horticulture	Cengage	2.15	2.14	2.15	No	• Additional support provided for both student and teacher with online text and learning activities. • It appears that this online text is its own learning management system which could provide teachers the opportunity to use an online platform if needed for instruction. • Good assignments that are online but appear allow the student to complete the assignments in the classroom face to face instruction or in an online format. • Several of the quizzes and interactive activities online give students feedback for their knowledge instantly. • Short video contents support learning and engage learners. • The online content provides a teacher the opportunity to edit, remove and hide lab items, practice items as needed to meet the content standards. The teacher has a great deal of autonomy to meet of the various learners in the classroom as well as meet the requirements of the COS and SS. • Textbook is well laid out and gives clear directions and indicates major learning points. • Online text is in power point form, major points in bullet point/power point format. The textbook online and allows a student to have a computer voice to read the chapter to the student. • Online text is superior to the printed text in the capabilities it has to engage the learner. There are many "bells and

						• whistles" that lend itself to learning by doing and engaging with technology. • Content about soft-skills and employability skills is different online than it is in the textbook. It does not appear to be as part of the printed textbook. The concern is that if you do not buy the online textbook that this new/different content that is part of the new CTE six foundational standards may not be available for learners. • It appears that the content for the online text is similar but not the same with the items posted for students learning in the Cengage Online LMS. The online labs, practice items and learning modules do not appear to be included in the traditional printed text. • The opportunities to engage with the traditional printed text are not the same as the online format of the text. A teacher could pull up the student version of the online text in the classroom to present and instruct but they may be required to buy additional online rights, causing additional costs and limited use for the rights to the content. • Exponential amount of content online and in traditional printed text. Course would need to be visited and managed to meet the timelines/pacing allowed for instruction in either online or traditional face to face instruction. The teacher would need to ensure that the class pacing was set up before launching in a classroom virtually to ensure students met the COS and SS.
Agri-science 1: Introduction	eDynamics Learning	1.91	1.97	1.94	Yes, may be used as a supplement only (See disclaimer below)	• The pacing guide is very useful to give an idea of how to plan learning, especially for a first-year teacher. • Lots of ideas presented to do blended learning. • The assignments area about 25 minutes which is good for blending learning or online learning but not enough for block learning unless other in class activities are available. • Basically, it is just an online textbook with interactive questions and discussions housed within its own LMS. • Lessons seems to be geared for a 50 minute class and not a block class. • The teacher will need to create labs to help supplement hands on activities. • Not many images or interactive videos.
Veterinary Science: The Care of Animals	eDynamics Learning	1.80	1.82	1.81	Yes, may be used as a supplement only (See disclaimer below)	• The ability to have the text read to you is great for some students. However, others need more visuals. • Ability to annotate text and take notes. • Integrated LMS system for grading students' interactions. • No presentations materials provided. This would make it difficult to have students take notes just by reading text on a screen. If the text were accompanied by a presentation to match the text it would be a much stronger package.

						• Not enough graphics depends too much on text and discussions between teacher and students. • Only one lab activity per unit. • Basically, it is just an online textbook with interactive questions – no fluff or extra's
	The Principles of Agriculture, Food, and Naturals Resources	eDynamics Learning	1.91	2.09	**2.00**		• Easy to maneuver. • Friendly format • Good as a supplemental resource • Labs are videos
	Agri-science 2: Sustaining Human Life	eDynamics Learning	2.04	1.97	2.01	Yes, may be used as a supplement only (See disclaimer below)	• The rubrics are great and are incorporated so that even the students can see the expectations. • Lots of ideas presented to do blended learning. • The assignments area about 25 minutes which is good for blending learning or online learning but not enough for block learning unless other in class activities are available or you merge chapters. • This textbook would increase and meet literacy standards and needs due to how much reading and writing in incorporates into each lesson. • Basically, it is just an online textbook with interactive questions and discussions housed within its own LMS. • Content is surface level and provides little rigor in deep scientific concepts. • The teacher will need to create labs to help supplement hands on activities for student learning. • Not many images or interactive videos. • Majority of the material is text and questions interactions in an online format.
	Forestry and Natural Resources	eDynamics Learning	1.68	1.68	1.68	Yes, may be used as a supplement only (See disclaimer below)	• Limited, but is straightforward and simple. • Length of assignments is good. • Several options for practice such as questions and flash cards • Higher level students would be bored with the reading level but good for 9th and lower-level 10th. • Quiz allows lots of options to customize. • Podcast review is a nice touch for each lesson. • Options for reading and listening to some things. • Units are very consistent and clean. • This text does not demonstrate the use of forestry hand tools such as loppers, pruning saw, bow saws and brush cutters. • Does not cover FFA competition skills in one place. • Does not demonstrate procedures for adjusting and operating a chain saw. • It's pretty much as if they just scanned in a textbook - nothing interactive and lots of long scrolling pages -

							• extreme scrolling which is not appropriate for an online system. • We don't have a course in our state standards that aligns with this text as we have forestry and then environmental management is separate. • Compared to all others reviewed, the design and function of the text is poor. • The directions for turning in an assignment are hard coded into the text and may not be relevant if this were used within and LMS or with Google Classroom assignment - could be confusing. • videos link to outside resources such as TED - how do they have control over these being available? • The lab assignments have concepts in them that may not have been covered but would be essential to independently completing the assignment (scientific method questions for example) • Student browsers on 1:1 may not allow some of the links outside of the text to be accessed. • Not many images and the ones available are cheap looking clip art. • Some pages take a bit to load before allowing scroll down functions. • Could not figure out how to change the points assigned to items? • Activity grade is set at 15 points, but rubric is 40% 50% and 10% - confusing. • This has threaded discussions which could be confusing if students are also expected to use a threaded discussion within an LMS.
	Biotechnology 1a and 1b	eDynamics Learning	2.00	2.00	2.00	No	• Links and navigation within program are easy to use within online book. • Flashcards are a great study tool for students, individuals can easily review or make their own cards using this online tool. • Bold words in text point students out to important vocabulary and concepts. • Good job with diversity of images of various groups of people. • "Check-it-out" allows students to "dig-deeper". However, students may get lost or view content that is not desired because links are not provided for these in the text. • Timed quizzes give feedback on answers right away. • Students will have an easy way to insert learning content for discussion questions and labs. • Content of text tends to lean more towards Animal Biotechnology rather than Plant Biotechnology.

						Recommend that this textbook be used as a supplemental resource for a Plant Biotechnology course. • Labs's are not hands on. Students are asked to view videos and answers questions about the video. Often the video content is 30-50 minutes long and may not engage all learners. • Found two links for video labs during review that were not working company made fixes, but this is of concern if this happens while the course is live for students. The company indicated a ticket could be used to report links not working with the company which is a nice feature. • Discussion of public policy not related to plant science was indicated in textbook. • No discussion of Biotechnology Industry in Alabama or Southeastern United States. The focus was on Western States and Europe. • Ted Talk and PBS used in the course; students are taken to a new window to view content. When the video opens the students are taken to the video but other content including commercials and outside links are presented to the student in addition to the desired content link. • It appears you must buy two textbooks for one class 1a and 1b. • A link requires ADOBE-FLASH which may not work for some online users.
Veterinary Science	eDynamics Learning	2.16	2.15	2.16	Yes, may be used as a supplement only (See disclaimer below)	• I like the landing page to see everything as an overview and pacing guide layout. • The ability to have the text read to you is great for some students. However, others need more visuals. • Great Critical thinking questions. • I like the ability to annotate text and take notes. • Integrated LMS system for grading students' interactions. • No presentations materials provided. This would make it difficult to have students take notes just by reading text on a screen. If the text were accompanied by a presentation to match the text it would be a much stronger package. • Not enough graphics depends too much on text and discussions between teacher and students. • Only one lab activity per unit. • Basically, it is just an online textbook with interactive questions – no fluff or extra's
Veterinary Science Learning (Supplemental)	eDynamics Learning	2.15	2.15	2.15	Yes, may be used as a supplement only	• Units and lessons are well organized. • Great teacher resource section for the book. • Was impressed by online flashcard for unit review. • I liked the built- in online quiz for the unit. • Also like the included online discussion post for student input.

					(See disclaimer below)	• Great interactive review questions at end of unit. • Podcast that narrates the text of the unit is a nice addition.
Agri-science: Agriculture, Food, & Natural Resources	Savvas	2.38	2.56	2.47	No	• Covers standards. • Plenty of eye-catching, color photographs that will assist in maintaining student interest. • Relevant photographs allow students to connect and visualize/daydream about their career path interest. • Very-well laid out. • Links/incorporation of videos for further understanding of content for students would be nice. • Covers every aspect of Agri-science ALEX state standards, modern up to date images, very easy to use. • No video which students these days seem more likely to tune into.
Agricultural Welding	ICEV Multimedia	2.02	2.04		No	• Option for text and/or online interactive are available and aligns well ALSDE Standards. • Although well embedded a lot of the video material is dated • Material can be accessed via online or printed. • LMS works well with google classroom. • Standards align with AL COS Standards. • Videos are little outdated in some areas. • PowerPoints are too long and contain too much fluff information.
Forestry	ICEV Multimedia	2.13	2.03	2.08		• This is very helpful not only for classes but FFA competitions as well. I can assign the judging videos to my competition teams for which we don't actually have the animal. • The students can do this at their own pace, and it is very easy to grade. • Integrates well with Google Classroom. • The only one of the publishers that had state specific content. • Lesson plans are clear and very detailed and mapped well to standards AND FFA. Very easy to customize. • Assessment reports don't allow for an appropriate selection of grades to view so list is pretty useless if you are having to put these scores in another grading system such as iNow. It is cumbersome. This is across ICEV • Students finish work too soon - do not feel they are engaged in higher level thinking. Tested this with a sub while I was out.

						No	- If customized too much, these courses can begin to get cumbersome and hard to wade through. - When linked into an LMS or Google Classroom, the link takes one to the entire course, not just that linked assignment as it seems to suggest it will do. Makes this hard for students to know what to do if the teacher is not VERY clear. - PowerPoints are excessively long and would have to be edited in almost every situation I reviewed. - Aligns with Alabama COS per iCEV Suggested Pacing Guide & Standards Alignment - Plenty of printable resources to assist teachers with instruction. - Allows teacher access to material anywhere as long as they have a computer and internet. - Need updated videos – Videos are outdated, which will potentially lose student interest. - Updated videos as the "new" Forests: Conservation & Management video are needed to assist teachers in presenting standards more efficiently. - Videos cannot be shared with students unless you purchase student access.
Animal and Dairy Science	ICEV Multimedia	2.02	2.02	2.02		No	- The material is well planned and does algin with ALCOS. - It will work grade for online learning for the students can work at their own pace. - iCEV allows you to pick and choose components and how to teach them. - Great that the resources can be printed and distributed to students as needed. - Activities with this unit are good. - The videos are outdated however a few areas have been updated. They have added a racial diversity video however, the older video's lack diversity. - There is a lot of overlap of content for CTSO and Career prep material between modules. - The material is very surface level and does not create a rigorous curriculum for students.
Environmental Management	ICEV Multimedia	1.48	2.13	1.81		No	- Lesson plans available with each unit. - Multiple student engagement activities such as research projects. - Video lessons could use more diversity which includes the voice of the narrator on the videos. - Videos outdated. - Whole infrastructure appears outdated.
Veterinary Science	ICEV Multimedia	2.06	2.06	2.06			The material is well planned and does algin with ALCOS and NGSS.

						No	- It will work well for online learning for the students can work at their own pace. - iCEV allows you to pick and choose components and how to teach them. - Great that the resources can be printed and distributed to students as needed. - These videos are the most up to date for the iCEV modules. - There is a lot of overlap of content for CTSO and Career prep material between modules. - The material is more challenging than other modules. - Activities with this unit are good however most are paper based. - All lessons are very well organized. - Lesson plans available with each unit. - Multiple student engagement activities such as research projects. - Video lessons could use more diversity which includes the voice of the narrator on the videos.
	Fish and Wildlife Management	ICEV Multimedia	2.08	2.06	2.07	No	- Very well organized with lesson plans and easy navigation. - Needs more ethnic, racial and gender diversity.
	Equine Science	ICEV Multimedia	2.02	2.02	2.02	No	- The material is well planned and does algin with ALCOS. - It will work grade for online learning for the students can work at their own pace. - Great that the resources can be printed and distributed to students as needed. - The videos are outdated and will be hard to keep students engaged without dated videos. - Routine and predictable flow from unit to unit. - A large amount of the content is dedicated to Career skills and CTSO. - Video's cannot be shared with students unless you purchase the student access.
	Floriculture and Floral Design	ICEV Multimedia	2.62	2.62	2.62		- Content for course easily matches up with Alabama Course of Study (COS) for Floriculture and Floral Design State Standards (SS). The teacher instructing this class would easily be able to find content to instruct a rigorous and relevant course to their students. - New COS allows for several distinct cross curricular concepts in plant science pathway to be instructed and ICEV has prepared a format for teachers to engage students in going beyond "floral design" and teaching plant science, biological, growth requirements, and pest management skills that can be used in various horticulture industries in Alabama.

						No	- The course is now setup in a user-friendly format. Teachers can easily see the "flow" or systematic way of teaching the various SS from the COS using ICEV. - New and updated navigation tools found within power points are a perfect fit for any classroom teacher instructing multiple classes. Teacher can resume a power point from the location they left off or use the navigation system within the power point to quickly jump to a SS as needed. - New content called "360 Degree View" allows for images to connect with lab assignments and improve understanding of content for students. - New video content is a huge plus and improves and updates the look of the overall course. - Career interviews for each and every one of the over 35 Units in this course are unique and engage learners to understand the "why" are we learning this information and the "how" am I going to use this in the future question we often get as educators. - This online textbook covers vocabulary and content in the Diversity Unit that lend itself towards geopolitical concepts that are divisive in their origin. Terms and concepts that are defined in this large lesson, as part of the CTE foundational standards, have a negative connotation towards various groups or individuals that are represented throughout Alabama. The diversity lesson does not appear to lineup with the concept of diversity as stated in CTE Foundational State Standards for the State of Alabama. - Must buy teacher licenses to use in classroom and individual student licenses to use if student takes the course in online format. - Teacher cannot post video content on LMS (Learning Management Systems) without buying student licenses. - In new course the video content is updated and is generally modern and visually appealing. The shop safety is general shop safety and is outdated. ICEV discussed they are updating various items in their courses in our Textbook Adoption meeting. - For labs and Activities additional images or supportive potential answers would be helpful to show teacher potential end result for labs or projects that are suggested for students to create. New item "360 view" allows students and teacher to view end result of an industry quality product and take a formative assessment on this floral product. More of these "keys or end result" would be helpful to any instructor. - Huge amount of information in each lesson. In Floriculture and Floral Design there were over 35 main lessons to cover the 22 State Standards. Within each lesson there were many more activities, notes and labs which in some cases

							was an overabundance of content for the course. The additional items allowed for an instructor to differentiate instruction as needed in the classroom.
	Horticulture	ICEV Multimedia	1.91	2.79	2.35	No	• Good specific curriculum, especially for FFA CDEs and review • The weakness lies in some diversity information. • Teachers need to use discretion and review all material before presenting.
	Intermediate Agri-science	ICEV Multimedia	2.07	2.15	2.11	No	• Material can be accessed via online or printed. • LMS works well with google classroom. • Standards align with AL COS Standards. • Videos are little outdated in some areas. • PowerPoints are too long and contain too much fluff information. • This is very helpful not only for classes but FFA competitions as well. I can assign the judging videos to my competition teams for which we don't actually have the animal. • The students can do this at their own pace, and it is very easy to grade. • Integrates well with Google Classroom. • The only one of the publishers that had state specific content. • Lesson plans are clear and very detailed and mapped well to standards AND FFA. Very easy to customize. • Some of the videos are outdated and a bit choppy to watch but this is being addressed. Students can easily find answers to assessments and worksheets online. • Assessment reports don't allow for an appropriate selection of grades to view so list is pretty useless if you are having to put these scores in another grading system such as iNow. It is cumbersome. • Students finish work too soon - do not feel they are engaged in higher level thinking. Tested this with a sub while I was out. • Would not depend on this as an entire curriculum but good to use as a supplement to what is being taught. • If customized too much, these courses can begin to get cumbersome and hard to wade through. • When linked into an LMS or Google Classroom, the link takes one to the entire course, not just that linked assignment as it seems to suggest it will do. Makes this hard for students to know what to do if the teacher is not VERY clear. • Power points are excessively long and would have to be edited in almost every situation I reviewed.

					 		• Do not feel that this foundational standard is met accurately: *Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork* especially in the Diversity in the Workplace which seems very opinion based. For example: There is a term both used and then defined "whiteness" which could isolate many of our students unnecessarily.
	Intro to Veterinary Science	ICEV Multimedia	2.06	2.06	2.06	No	• The material is well planned and does algin with ALCOS and NGSS. • It will work well for online learning for the students can work at their own pace. • iCEV allows you to pick and choose components and how to teach them. • Great that the resources can be printed and distributed to students as needed. • These videos are the most up to date for the iCEV modules. • There is a lot of overlap of content for CTSO and Career prep material between modules. • The material is more challenging than other modules. • Activities with this unit are good however most are paper based.
	Agri-science	ICEV Multimedia	1.78	1.78	1.78	No	• Doesn't address standards in a satisfactory manner

	Construction Framing	ICEV Multimedia	2.06	2.17	2.12		• Materials can be accessed via online or printed.
							• LMS works well with google classroom.
							• Standards align with AL COS Students.
							• Videos are little outdated in some areas.
							• Power points are too long and contain too much. fluff information.
							• Excellent correlation to ALSDE Course of Study
							• Integration to LMS Learning Management System to applications such as Google Classroom.
							• Lessons, activities, videos, and presentations related to installation and construction are relevant, engaging, and practical for student learning.
							• The option to print or offer interactive assessment is attractive to remote and traditional learners.
							• concerning that 86 days are spent on "Foundational Standards" while only 53 days are spent on actual "content standards" according to scope and sequence.
							   ○ as remediation is necessary, much of the 'soft skill' content is covered extensively in 'career preparedness' type classes.
							   ○ 16 lessons on 'foundational standards' and 5 lessons on 'content standards'

						• Many videos are outdated and poor quality. • Some content seems too primary for secondary learners.
	Fundamentals of Agri-science	ICEV Multimedia	2.15	2.16	2.16	No	• Well organized with multiply application activities for each lesson and career connections for many of the lessons. • several application activities for each lesson and career connections for many of the lessons. • Easily customizable
	Advanced Agri-science	ICEV Multimedia	2.07	2.02	2.05	No	• Material can be accessed via online or printed. • LMS works well with google classroom. • Standards align with AL COS Standards. • Videos are little outdated in some areas. • Power points are too long and contain too much fluff information.
	Intro to Ag Construction	ICEV Multimedia	2.24	2.00	2.12	No	• Demonstration and modeling are effective to learning and promotes tactics to be used in the program's laboratory settings • Adequately correlates to ALSDE Course of Study ● Integration to LMS Learning Management System to applications such as Google Classroom. • Lessons, activities, videos, and presentations related to installation and construction are relevant, engaging, and practical for student learning. • The option to print or offer interactive assessment is attractive to remote and traditional learners. • Many videos are outdated and poor quality. • Within the curriculum of foundational standards, in particular, I interpret an abundance of interjected opinion unnecessary to meeting the criteria of state standards. In comparison to content in other areas of industrial agriculture, there is an overwhelming amount of redundancy. This poses a concern as many students will see this material repetitively as they progress through the program over multiple credits.
Law, Public Safety, Corrections, and Security							
	Principles of Public Service (Supplemental)	eDynamics Learning	2.47	2.47	2.47		• The eDynamics Principles of Public Service (Supplemental Resource) is an excellent LMS; • the lessons are incredible, well organized, and well structured. • The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very

						Yes, may be used as a supplement only (See disclaimer below)	- informative and helpful for experienced and inexperienced teachers. - The Lab Activities or user friendly and well incorporated into the lesson. - The review and critical thinking questions are perfect for the format. - The toolbar, which is incorporated into each lesson, is a fantastic component. - Students can have the document read to them, define words, and translate typed text and speak text in several different languages. - The unit quizzes are superb in addition to the lesson mid-terms and final exams. - The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. - Literacy standards were not incorporated, and no resources or materials to support CSTO.
	Law and Order: Introduction to Legal Studies	eDynamics Learning	2.47	2.47	2.47	No	- The eDynamics Law and Order: Introduction to Legal Studies is an excellent LMS; - the lessons are incredible, well organized, and well structured. - The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very informative and helpful for experienced and inexperienced teachers. - The Lab Activities or user friendly and well incorporated into the lesson. - The review and critical thinking questions are perfect for the format. - The toolbar, which is incorporated into each lesson, is a fantastic component. - Students can have the document read to them, define words, and translate typed text and speak text in several different languages. - The unit quizzes are superb in addition to the lesson mid-terms and final exams. - The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. - Literacy standards were not incorporated, and no resources or materials to support CSTO.
	Forensic Science 1: Secrets of the Dead	eDynamics Learning	2.18	2.47	2.33		- The eDynamics Forensic Science 1: Secrets of the Dead is an excellent LMS; - the lessons are incredible, well organized, and well structured. - The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very

						No	- informative and helpful for experienced and inexperienced teachers. - The Lab Activities or user friendly and well incorporated into the lesson. - The review and critical thinking questions are perfect for the format. - The toolbar, which is incorporated into each lesson, is a fantastic component. - Students can have the document read to them, define words, and translate typed text and speak text in several different languages. - The unit quizzes are superb in addition to the lesson mid-terms and final exams. - The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. - Literacy standards were not incorporated, and no resources or materials to support CSTO.
	Forensic Science 2: Secrets of the Dead	eDynamics Learning	2.47	2.18	2.33	No	- The eDynamics Forensic Science 2: More Secrets of the Dead is an excellent LMS; - the lessons are incredible, well organized, and well structured. - The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very informative and helpful for experienced and inexperienced teachers. - The Lab Activities or user friendly and well incorporated into the lesson. - The review and critical thinking questions are perfect for the format. - The toolbar, which is incorporated into each lesson, is a fantastic component. - Students can have the document read to them, define words, and translate typed text and speak text in several different languages. - The unit quizzes are superb in addition to the lesson mid-terms and final exams. - The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. - Literacy standards were not incorporated, and no resources or materials to support CSTO.
	Careers in Criminal Justice: Intro	eDynamics Learning	2.47	2.47	2.47		- The eDynamics Careers in Criminal Justice 1a Introduction is an excellent LMS; - the lessons are incredible, well organized, and well structured. - The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very

					No	• informative and helpful for experienced and inexperienced teachers. • The Lab Activities or user friendly and well incorporated into the lesson. • The review and critical thinking questions are perfect for the format. • The toolbar, which is incorporated into each lesson, is a fantastic component. • Students can have the document read to them, define words, and translate typed text and speak text in several different languages. • The unit quizzes are superb in addition to the lesson mid-terms and final exams. • The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. • Literacy standards were not incorporated, and no resources or materials to support CSTO.
Criminology: Inside the Criminal Mind (Supplemental)	eDynamics Learning	2.47	2.47	2.47	Yes, may be used as a supplement only (See disclaimer below)	• The eDynamics Criminology: Inside the Criminal Mind (Supplemental Resource) is an excellent LMS; • the lessons are incredible, well organized, and well structured. • The section that explains different teaching platforms for blended, project-based, and face-to-face learning was very informative and helpful for experienced and inexperienced teachers. • The Lab Activities or user friendly and well incorporated into the lesson. • The review and critical thinking questions are perfect for the format. • The toolbar, which is incorporated into each lesson, is a fantastic component. • Students can have the document read to them, define words, and translate typed text and speak text in several different languages. The unit quizzes are superb in addition to the lesson mid-terms and final exams. • The Podcast, which offers an audio narration of each unit lesson, is a spectacular function. • Literacy standards were not incorporated, and no resources or materials to support CSTO.
Intro to Policing	Cengage	3.00	2.00	2.50	No	• Standards aligned. • Content specific • Easy to maneuver
American Corrections	Cengage	2.00	3.00	2.50		• Powerpoint and Lesson Plans included • Provides test bank and pre-made exams. • Writing Rubrics • Readspeaker with text highlight for ESL and reading disabilities. • Instructor can edit and hide content as needed.

	Title	Publisher					Comments
						No	• Scenario/reality-based review questions • Includes group projects in each chapter. • Ability to create page/content tabs. • Ability to create digital portfolios. • Additional study items included such as flashcards, websites, quizzes and review questions.
	Paralegal Today	Cengage	2.07	3.00	2.54	No	• Includes links to related professional organizations. • Provides test bank and pre-made exams. • Spanish translation for terms • Readspeaker with text highlight for ESL and reading disabilities. • Instructor can edit and hide content as needed. • Scenario/reality-based review questions • Includes group projects in each chapter. • Ability to create page/content tabs. • Ability to create digital portfolios. • Additional study items included such as flashcards, websites, quizzes and review questions. • DOES NOT ADDRESS 2 OF THE 6 CONTENT STANDARDS FOR THE INTRODUCTION TO LEGAL SERVICES COS.
	Introduction to Law Enforcement	Cengage	2.00	2.00	2.00	No	• Digital and hard copies available • Power-point and Lesson Plans included • Provides test bank and pre-made exams for canvas, moodle and blackboard. • Writing Rubrics • Readspeaker with text highlight for ESL and reading disabilities. • Instructor can edit and hide content as needed. • Ability to create page/content tabs. • Ability to create digital portfolios. • Additional study items included such as flashcards, websites, quizzes and review questions. • Does not have the english to spanish translation the other books have. • Test gen doesn't load into schoology.
	Introduction to Criminal Justice	McGraw-Hill	2.00	2.13	2.07		• Printed book has reinforced binding. • Both authors seem well versed in the topic and distinguished. • Each chapter has mini-biographies about "Careers in Criminal Justice". • Each chapter has a "Crime Story", which is fascinating.

						No	• New content, such as community policing, is identified per chapter. • Each chapter has a review and study too. • This book, which was published in 2018, was probably written in 2016 because it refers to some events, such as the riots in Ferguson, MO and the election of Trump as if they were current events. It needs more up-to-date examples.
	Law Enforcement and Corrections	ICEV Multimedia	2.13	2.04	2.09	No	• Easy to follow format. • Need to update current events
	Forensic Science and Crime Scene Investigation	ICEV Multimedia	2.29	2.47	2.38	No	• Standards aligned. • Outdated example • Easy to maneuver. • Needs more references for students
	Introduction to Criminal Justice	ICEV Multimedia	2.42	2.33	2.38	No	• Aligns to standards. • Printable resources • Cost effective
	Career Pathway Project	ICEV Multimedia	2.13	2.24	2.19	No	• Standard format for ICEV • Easy to maneuver. • Standards aligned. • Outdated examples
Science, Technology, Engineering, & Mathematics (STEM)	Engineering Fundamentals	Goodheart	2.09 2.07 2.12 2.93 3.00 **(Please see note below)	2.93 2.02 2.91 2.21 **(Please see note below)	2.48	No	• Clear learning objectives/key terms at the start of chapters • Multiple references to biology (lacking in some texts) • Good summary at the end of chapters • Navigation by section using online app not intuitive. • Not a lot of diversity in age or race within the photo examples in books. .Okay gender diversity. Need more global diversity. • Great introductory text • Table content/feature texts nice • Covers 10 different types of engineering. • Heavy print base • PowerPoints poor quality • More project-based learning needed • Great career connections
	Foundations of Engineering and Technology	Goodheart	2.19 2.70 2.80 1.97 2.00 **(Please see note below)	2.09 2.12 2.14 1.95 2.16 **(Please see note below)	2.21		• Clear learning objectives/key terms at the start of the chapters • Learning objectives laid out at the front of the chapters. Multiple references to biology (lacking in some texts) • Good summary at the end of chapters

						No	• References biology and other STEM fields besides engineering. • Navigation by section using online app not intuitive. Hard to move within a chapter by its sections. • Not a lot of diversity in age or race within the photo examples within the book. • Okay gender diversity. Could also have more representation of the global diversity. • Even if school districts are resistant we live in an increasingly global economy. • Not project based. • Includes supplemental text and workbooks. • Offer career skills certification. • Pretest/posttest available
Concepts in Engineering and Technology	eDynamics Learning	2.12 2.00 2.43 2.05 **(Please see note below)	1.72 2.23 2.18 2.26 **(Please see note below)	2.12		Yes, may be used as a supplement only (See disclaimer below)	• Good instructor and user (student) guides • Lots of built-in activities and assessment material • Lots of technology built in to interact with the text more. • like it was a hard copy. • I like the media embedded within the text for various types of learners. It is fantastic. • The images seem fresh and less generic. It makes the highlighted professions and ideas engaging • The user interface seems clunky and unpolished. • Clunky and slow to load even with fast internet. One of the pages got stuck and wouldn't let me go "back" to the previous webpage • Activities with rubrics • Good pacing guide • Text easy to read/follow. • How to guide for PBL implementation • Guide to blended learning strategies • Not rigorous enough for HS
Applied Engineering 1a and 1b	eDynamics Learning	2.18 2.21 2.77 2.02 2.02 **(Please see note below)	2.02 2.21 2.45 2.21 2.23 **(Please see note below)	2.23		No	• Good instructor and user (student) guides • Lots of built-in activities and assessment material • Lots of technology built in to interact with the text more. • like it was a hard copy. • media embedded within the text for different. • types of learners. It is fantastic. • The images seem fresh and less generic. It makes the highlighted professions and ideas engaging • The user interface seems clunky and unpolished. • Clunky and slow to load even with fast internet. • Activities with rubrics • Good pacing guide • Text easy to read/follow. • How to guide for PBL implementation • Guide to blended learning strategies

						• Not rigorous enough for HS • Great assessment material • Not many hands-on physical models
Engineering Drawing and Design	Cengage	1.86 2.02 2.20 2.14 2.02 **(Please see note below)	2.95 3.00 2.29 2.16 1.86 **(Please see note below)	2.25	No	• Great accessibility functions for a diverse set of learners • and those with different accessibility needs. • Lots of available content and material to for a variety of course work. • Interface is helpful with tools to connect learner to content. • Google drive accessibility • Section dedicated to developing soft skills. • Lots of videos • Need updated videos. • Lots of teaching materials • Good real-world problems and discussions • Not many pictures for visual learners • Very user friendly • Instructor/student companion online
Principles of Applied Engineering	Savvas	1.97 1.97 1.89 1.82 1.95 **(Please see note below)	1.84 2.05 2.09 2.00 1.79 **(Please see note below)	1.98	No	• There are some real-life examples and examples of • problems from multiple eras • Chapters are broad and generic enough to allow flexible lessons to fit a variety of courses. • Connects to other areas within STEM in various chapters. • The engage section for the teaching copy is useful for people to keep students invested at each section. • Lots of text, the introduction of the chapters is a bit dry and the endings lack a summary that keeps the lectures in perspective. • Answers and resources for teachers is useful for guiding lessons and identifying what the authors are looking for in evaluating the students. • Evaluation of the students is a bit one dimensional, rather than developing different levels of learning • Some of the information seemed outdated and maybe a little juvenile for today's tech savvy kids. • The Electronic version seemed frustratingly slow sometimes when going to different pages. • Some of the links didn't seem to go to the correct page. • Dated material. • Not interactive • Very wordy • Content loaded with information. • Accompanying workbook • Chapters well sequenced • Connect to STEM in each chapter. • Good critical thinking questions • Wide variety of assessment questions

Disclaimer: Scores may vary based on supplemental only 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: Due to the size of the STEM Committee, there were multiple reviewers for these resources. The overall score reflects the average of all reviewers.