

**TENNESSEE CAREER AND TECHNICAL EDUCATION TEXTBOOK SCREENING INSTRUMENT**  
**Sections I & III Reviews**

Book:	iCEV Agricultural Science Site (Student License)	Publisher:	CEV Multimedia, Ltd.
ISBN:	978-1-60333-869-1	Year:	2016
Levels/Course:	Basal	Category:	5957

**BEFORE YOU BEGIN**

ALIGNMENT TO THE TENNESSEE CAREER AND TECHNICAL EDUCATION STANDARDS:

Tennessee’s Career and Technical Education Standards (hereafter, “the standards”) represent a significant shift in the definition of student proficiency within career and technical education environments. Evaluators of materials should understand that the standards replace the proficiency frameworks of years past in three major respects:

- 1) A shift to clear, specific, and measurable expectations for student learning. The standards articulate deep knowledge and skill attainment, departing from the competency-based structure of years past.
- 2) Increased focus on rigor in literacy and mathematics within technical contexts. The new standards align to all Tennessee State Standards for English Language Arts and Literacy in Technical Subjects and, where appropriate, select Tennessee State Standards in Mathematics.
- 3) Sequential progression of knowledge and skills within and across courses. The new standards build on each other both within course content and across course levels, arranged within programs of study that culminate in capstone and/or work-based learning experiences for students.

Evaluators of materials must be well versed in the standards for the course(s) aligned to the materials in question, how the content fits into the progressions in the content standards, and the expectations of the standards with respect to conceptual understanding, fluency, and technical application. Aligned courses in the Architecture & Construction Career Cluster:

**ORGANIZATION OF THIS DOCUMENT**

**SECTION II: ADDITIONAL ALIGNMENT CRITERIA AND INDICATORS OF QUALITY**

Section II includes additional criteria for alignment to the standards as well as indicators of quality.

**SECTION III: FOCUS AREA (optional)**

Section III allows reviewers to capture qualitative observations on an additional area of focus, if presented in the materials.

\*For the purposes of this document, Tennessee CTE students are considered to be enrolled in course “levels” (i.e., Level 1, Level 2, Level 3, and Level 4) due to variation in the *grade* level at which students may take a course. For example, a tenth-grade student may be enrolled in a Level 1 course. For this reason, reviewers are asked to evaluate materials on the basis of their alignment to particular *course levels*, not *grade levels* or *grade bands*.

\*\*This percentage is a guide. Reviewers should not attempt to compute percentages based on counting pages or counting lessons. Reviewers will use their professional judgment to determine how students are meant to spend their time to determine focus and provide evidence for their decision.

Section II(1). ADDITIONAL ALIGNMENT CRITERIA	SCORE	JUSTIFICATION/NOTES
<p>A. Materials are aligned to relevant <b>national and/or industry standards</b> where appropriate. For example, <i>Mechatronics I</i> materials routinely make reference to and reinforce connections with national industry certification standards from companies like Siemens.</p>	2	The text has a good foundation for Agriculture and integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in seven pathways.
<p>B. Materials are aligned to discipline-specific <b>content or pedagogical frameworks</b> frequently used by professionals in associated industries. For example, <i>Differentiating Instruction</i> materials routinely make reference to and reinforce connections with instructional strategies that meet the educational needs of the student, as specified in the standards.</p>	2	ICEV is designed with industry connections and activities to encourage critical thinking and application of chapter concepts and skills.
<p>C. Connections are made to discipline-specific <b>professional societies and organizations</b>, and their value is clearly communicated in the materials. For example, <i>School Counseling</i> materials routinely make reference to and reinforce connections with the American School Counselor Association (ASCA).</p>	2	ICEV offers interviews with industry and workplace employees who discuss organizations in their field of study. They also have links to professional societies and organizations discussed on ICEV videos and power points. Yes, connections are made.

**Additional Comment Section II(1):**

Section II(2). SEQUENCE AND PROGRESSION OF STANDARDS	SCORE	JUSTIFICATION/NOTES
<p>A. Connections are made within a course between knowledge and skills, where these connections are appropriate and natural, as set forth by the standards.</p>	2	Connections are made throughout ICEV concerning what is desired for careers and opportunities within

		Agriscience. There are multiple interviews with professionals throughout all fields Agriculture discussing job place skills and knowledge.
B. Materials are vertically coherent with previous courses and these connections are made clear in the materials. The connections are explicit to the other materials in the course.	2	Yes connections are explicit and the connects are relevant to biology, chemistry, physical science, math and history. These areas are mentioned throughout the various lessons.
C. For materials in a series, content progressions reflect the progressions as seen in the standards. These progression connections are clearly indicated in the materials. Any discrepancies in content progressions enhance the required learning in each course and are clearly aimed at helping students meet the standards as written.	2	Agriscience is the first course and the video/power points introduces the various pathways appropriately leaving the student with a clear understanding and a desire to explore deeper.

<b>Section II(3). TEACHER SUPPORTS</b>	<b>SCORE</b>	<b>JUSTIFICATION/NOTES</b>
A. Materials support teachers in ways such as the following: planning (including ideas for pacing), sample lessons, laboratory applications, projects, vocabulary, and instructional strategies.	2	ICEV contains appropriate vocabulary, and a lesson plan which aids teachers in scaffolding the lesson. The lesson plan guides teachers with extended application to links which further exploration. Review and

		assessment sections are extensive and the projects are an excellent way to up the rigor.
B. Materials include teacher-directed materials that explain the role of the practice activities in the classroom and in students' content development. Problems and activities present opportunities for students to make use of and exhibit the skills as they work on mastery of content.	2	ICEV offers a lesson plan for every lesson and these lessons include common core standards, lesson links, career connections, and activities.
C. Opportunities and resources are provided for teachers to conduct independent study to enhance their own understanding and knowledge of course topics. Materials provide avenues to seek and identify quality professional development in a manner that will support student learning.	2	My feeling is the videos themselves are excellent resources for teachers. And with all the videos and Powerpoint lessons they offer lesson links for teachers to enhance their knowledge.

Section II(4). USABILITY	SCORE	JUSTIFICATION/NOTES
A. Materials can be accessed in a variety of formats and media, including but not limited to printed textbooks, digital storage devices, online applications, and cloud-based forums.	2	Text is digital and on-line videos and powerpoints. I do wish ICEV had a document in conjunction with every video and power point but they do offer links to reading materials. Teachers must purchase the student access for them to have online assessments
B. Materials are clear and easy to read for students, teachers, and parents. The design and graphics do not distract from the course content and are appropriately placed.	2	ICEV is clear and easy to read and/or watch. Most of the videos are recently made and relevant to industry standards today.
C. Materials include supports for all learners, e.g., ELs, students who are below grade level, advanced students.	2	Materials are easily adjusted for all learners. You can copy the power points for students to use. You can also have the student review or watch what he doesn't understand.
D. Materials are culturally and politically sensitive to the full range of potential users, and do not advance unwarranted opinions that are not factually based. All materials strive to present content, not beliefs.	2	

**Please note any concerns with sensitivity below:**

ICEV is used all over the United States and is definitely sensitive to all users. The points in the videos are object and professional views.

Section II(5). ASSESSMENTS	SCORE	JUSTIFICATION/NOTES
<p>A. Materials include aligned assessments at regular intervals throughout the text(s), or as supplements to the primary instructional materials. Aligned assessments may include end-of-chapter quizzes, unit test modules, and practice exams.</p>	2	<p>ICEV contains assessments after every lesson and these assessments are short but they can be put together for a unit test. In other words, after each video segment there will be a five question quiz but you can print this as a unit test including all the test questions.</p>
<p>B. Materials offer ideas and guidance on measuring student progress throughout the duration of the aligned course(s). Formative, interim, and summative assessment strategies are all presented to inform instructional strategy and improvement.</p>	2	<p>If the school system doesn't purchase the student assess teachers will not have assess to students assessments. But teachers can use some of the activities within the lesson to measure student progress.</p>
<p>C. Materials include assessment accommodations for diverse learners, including sample items that capture multiple measures of student proficiency.</p>	2	<p>ICEV standards are listed on the lesson plan and they do include materials or suggestions of accommodations for diverse learners.</p>

**Please use the space below to leave any additional notes about Section II not previously captured:**

**SECTION III (optional): FOCUS AREA**

Use this section to capture qualitative observations on an additional area of focus, if presented in the materials. A sample focus area for the Health Informatics program of study is provided in the following. If applicable, fill in the blank table with observations and notes.

<b>III. EXAMPLE: FOCUS IN Health Information Systems</b>	<b>NOTES</b>
A. Materials include coverage of major parameters most frequently reported in health databases.	<i>[Insert reviewer evaluation here.]</i>
B. Materials draw clear connections between policy and procedures and the legal ramifications of health informatics.	<i>[Insert reviewer evaluation here.]</i>
<b>III. FOCUS AREA:</b>	<b>NOTES</b>