INSTRUCTIONAL MATERIALS ADMINISTRATOR

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Recommendation

Yes

Comments: Exploring Design, Technology & Engineering provides and introduction to technology education that includes a coverage of the impacts of technology, technological systems, the history of technology, applying technology and the designed world

Notation: Exploring Design, Technology & Engineering is based on the ITEEA's Standards for Technological Literacy

Material for Review

Course: Integrated Technology Studies (8600000)

Title: Exploring Design, Technology, & Engineering , Edition: 3rd

Copyright: 2012

Author: Wright, Brown

Grade Level: 6 - 8

Content

Answer each item below and select the "Save" button to save your responses. You must select the "Save" button before going to another section or leaving this page to save the answers you have provided. If you are unable to complete the section, you may save your answers and come back to complete at a later time. All items must be answered for a section to be considered complete.
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To answer each item, select the appropriate rating from the following scale:

5 - VERY GOOD ALIGNMENT
4 - GOOD ALIGNMENT
3 - FAIR ALIGNMENT
2 - POOR ALIGNMENT
1 - VERY POOR/NO ALIGNMENT

Upon completion of all Areas of Review, the Recommendation link will become available with a record of how you scored each section of the evaluation.

- Reviewers are instructed that submissions should be consistently rated as 5 or 4 to be recommended for adoption. Materials that are consistently rated 2 or 1 are not expected to be recommended for adoption.

- Comments are strongly encouraged to justify each rating. Please use the Comments section to list any strengths, weaknesses, concerns, issues, and/or to provide examples supporting the rating.

- Additional information regarding the Content, Presentation, and Learning requirements are located in the Career and Technical Education Specifications for the 2015-16 Florida State Adoption of Instructional Materials.

Each set of materials submitted for adoption is evaluated based on each benchmark for that course and the Content, Presentation, and Learning items included in this rubric.

A. Alignment with curriculum1. A. The content aligns with the state's standards and benchmarks for subject, grade level and learning outcomes.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Textbook covers content in all courses

2. A. The content is written to the correct skill level of the standards and benchmarks in the course.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The majority of standards listed in the framework for Integrated Technology studies are sufficiently correlated with the text

3. A. The materials are adaptable and useful for classroom instruction.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
In addition to the text a student workbook, instructor presentations ppt and assessments are provided to support the text

B. Level of Treatment4. B. The materials provide sufficient details for students to understand the significance of topics and events.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The text provide an in-depth coverage on the impacts of technology, technological system, history of technology and applying technology.

5. B. The level (complexity or difficulty) of the treatment of content matches the standards.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The majority of standards are sufficiently correlated with the text

6. B. The level (complexity or difficulty) of the treatment of content matches the student abilities and grade level.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
Reading Organizer activities help students focus on the materials in each chapter

7. B. The level (complexity or difficulty) of the treatment of content matches the time period allowed for teaching.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
planning guides are included to suggest ways to schedule for 18 week semester courses

C. Expertise for Content Development8. C. The primary and secondary sources cited in the materials reflect expert information for the subject.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The text provides in-depth coverage of the content defined in the Standards for Technological literacy

9. C. The primary and secondary sources contribute to the quality of the content in the materials.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
Hands on learning opportunities support TSA competitive events

D. Accuracy of Content10. D. The content is presented accurately. (Material should be devoid of typographical or visual errors).

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:

11. D. The content of the material is presented objectively. (Material should be free of bias and contradictions and is noninflammatory in nature).

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The text is based on ITEEA's Standards for Technological Literacy

12. D. The content of the material is representative of the discipline? (Material should include prevailing theories, concepts, standards, and models used with the subject area).

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
Technology explained features highlight and discuss a variety of current technologies

13. D. The content of the material is factual accurate. (Materials should be free of mistakes and inconsistencies).

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Think Green features support content to environmental issues

E. Currency of Content 14. E. The content is up-to-date according to agriculture industry standards of practice.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Technology explained features highlight and discuss a variety of current technologies

15. E. The content is presented to the curriculum, standards, and benchmarks in an appropriate and relevant context.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
STEM connection chart identifies cross-curricular connections in each chapter to help develop classroom learning plans

16. E. The content is presented in an appropriate and relevant context for the intended learners.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
S.T.E.M. and curriculum connections relate chapter content to math, science, social studies and language arts

F. Authenticity of Content 17. F. The content includes connections to life in a context that is meaningful to students.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Think Green features support content to environmental issues

18. F. The material includes interdisciplinary connections which are intended to make the content meaningful to students.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
S.T.E.M. and curriculum connections relate chapter content to math, science, social studies and language arts

G. Multicultural Representation 19. G. The portrayal of gender, ethnicity, age, work situations, cultural, religious, physical, and various social groups are fair and unbiased. (Please explain any unfair or biased portrayals in the comments section).

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:

H. Humanity and Compassion 20. H. The materials portray people and animals with compassion, sympathy, and consideration of their needs and values and exclude hard-core pornography and inhumane treatment. (An exception may be necessary for units covering animal welfare).

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:

21. In general, is the content of the benchmarks and standards for this course covered in the material.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
The text provides an introductory understanding of Technology, Technology Systems, the History of Technology, Applying Technology and The Designed Word. the text also includes current information on job skills, technological needs and wants and technological impacts

Presentation

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A. Comprehensiveness of Student and Teacher Resources1. A. The comprehensiveness of the student resources address the targeted learning outcomes without requiring the teacher to prepare additional teaching materials for the course.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The text offers a companion website as an online study reference that contains activity files, vocabulary exercises and interactive quizzes

B. Alignment of Instructional Components2. B. All components of the major tool align with the curriculum and each other.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The text is based on the ITEEA's Standards of Technological Literacy

C. Organization of Instructional Materials3. C. The materials are consistent and logical organization of the content for the subject area.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
Different forms of Technology are discussed, including technology from the manufacturing, medical, and transportation industries

D. Readability of Instructional Materials4. D. Narrative and visuals engage students in reading or listening as well as in understanding of the content at a level appropriate to the students' abilities.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
Reading Organizers activities are provided to help students focus on the material presented in each chapter

E. Pacing of Content5. E. The amount of content presented at one time or the pace at which it is presented must be of a size or rate that allows students to perceive and understand it.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
S.T.E.M. connections chart identifies cross-curricular connections presented in each chapter

Accessibility6. The material contains presentation, navigation, study tool and assistive supports that aid students, including those with disabilities, to access and interact with the material. (For assistance refer to the answers on the UDL questionnaire).

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
All instructional materials are included on an online bookshelf that is accessible at home, school or on the go.

7. In general, how well does the submission satisfy PRESENTATION requirements? (The comments should support your responses to the questions in the Presentation section).

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT
Justification:
The Online Student Center provides a solid foundation of instruction and learning for digital and blended classrooms

Learning

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A. Motivational Strategies1. A. Instructional materials include features to maintain learner motivation.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Thin Green features support content to environmental issues

B. Teaching a Few "Big Ideas"2. B. Instructional materials thoroughly teach a few important ideas, concepts, or themes.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
The text provides an in-depth coverage on the impacts of technology, technological systems, the history of technology, applying technology and the designed world that includes; agriculture, biotechnology, construction, manufacturing, information and communication, transportation, energy and power, and medical technologies

C. Explicit Instruction3. C. The materials contain clear statements of information and outcomes.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
STEM Connections, Curricular Connections, activities, Test Your Knowledge questions, and the Reading Organizer are included at the end of each chapter

D. Guidance and Support4. D. The materials provide guidance and support to help students safely and successfully become more independent learners and thinkers.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
The text supports a strong focus on developing design and problem-solving skills

5. D. Guidance and support must be adaptable to developmental differences and various learning styles.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Reading Organizer activities are included to help students focus on the material presented in each chapter

E. Active Participation of Students6. E. The materials engage the physical and mental activity of students during the learning process.

VERY GOOD ALIGNMENT   **GOOD ALIGNMENT**   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
STEM Connections and Curricular Connections relate each chapter to math, science, social studies, and language arts

7. E. Rate how well the materials include organized activities that are logical extensions of content, goals, and objectives.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
STEM connection chart identifies the cross-curricular connections made in each chapter

F. Targeted Instructional Strategies8. F. Instructional materials include the strategies known to be successful for teaching the learning outcomes targeted in the curriculum requirements.

VERY GOOD ALIGNMENT   GOOD ALIGNMENT   FAIR ALIGNMENT   POOR ALIGNMENT   VERY POOR/NO ALIGNMENT

Justification:
Hands-on learning opportunities are provided through end of chapter activities and modules that support Technology Student Association (TSA) competitive events

9. F. The instructional strategies incorporated in the materials are effective in teaching the targeted outcomes.

VERY GOOD ALIGNMENT **GOOD ALIGNMENT** FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

Justification:
The use of the online student text and workbook along with supplemental resources brings digital learning into the classroom

G. Targeted Assessment Strategies10. G. The materials correlate assessment strategies to the desired learning outcomes.

VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

Justification:
The text is based on ITEEA's Standards for Technological Literacy

11. G. the assessment strategies incorporated in the materials are effective in assessing the learners' performance with regard to the targeted outcomes.

VERY GOOD ALIGNMENT **GOOD ALIGNMENT** FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

Justification:
The companion website provides an online study reference that includes activity files, vocabulary exercises, interactive quizzes and end of chapter assessments.

Universal Design for Learning12. This submission incorporates strategies, materials, activities, etc., that consider the needs of all students.

VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

Justification:
All instructional materials are included on a online bookshelf that is accessible to both students and teachers inside and outside of the classroom.

13. In general, does the submission satisfy LEARNING requirements? (The comments should support your responses to the questions in the Learning section.)

VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

Justification:
Exploring Design, Technology & Engineering combines both a printed text and Online Student Center that is accessible at home or at school.

If you have questions contact Office of Instructional Materials, imstaff@fldoe.org or 850-245-0425

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