



## INSTRUCTIONAL MATERIALS ADMINISTRATOR

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### Recommendation

Yes

### Material for Review

**Course:** Applied Robotics (9410100)

**Title:** Basic Robotics , Edition: 1

**Copyright:** 2016

**Author:** Dinwiddie

**Grade Level:** 9 - 12

### 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.

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- 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 curriculum** 1. 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:

Review questions and text content align with standards.

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:

Content is written at the 9-12 grade level.

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:

Material is appropriate and adaptable for classroom use.

**B. Level of Treatment** 4. 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:

Content details are provide to align content to the importance of robotics.

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:

Complexity appropriate for secondary level.

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:

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:

**C. Expertise for Content Development** 8. 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:

Excellent sources listed for references with supplemental material for content coverage.

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:

Excellent sources listed for references with supplemental material for content coverage.

**D. Accuracy of Content** 10. 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:

Found no errors.

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:

Found no bias content.

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:

Excellent material and sources listed for references with supplemental material for content coverage

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:

Material is accurate to the current trends for robotics.

**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:  
content is up to date on robotics not agriculture.

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:  
Content is relevant.

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:  
Material is presented appropriately for the learners.

**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:  
Material aligned to the latest sources making it relevant with outside

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:  
Material in inter-disciplined but could be stronger.

**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:  
Excellent sources listed connecting benchmarks and standards to pages in the textbook.

## Presentation

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**A. Comprehensiveness of Student and Teacher Resources** 1. 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:

less than 10% of the textbook needs additional material

**B. Alignment of Instructional Components** 2. 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:

**C. Organization of Instructional Materials** 3. 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:

material is organized in logical manner to make it easy to understand for the instructor

**D. Readability of Instructional Materials** 4. 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 level was appropriate to material covered

**E. Pacing of Content** 5. 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:

Pace was perfect for the complexity of the material

**Accessibility** 6. 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:

material was easy to navigate

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 text align well for a new topic with little resources written at the k-12 level

## Learning

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**A. Motivational Strategies**1. A. Instructional materials include features to maintain learner motivation.

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

Justification:

Material links beings current issues to helps motivate learners.

**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 materials text and links to current concepts which include all Big Ideas in robotics.

**C. Explicit Instruction**3. C. The materials contain clear statements of information and outcomes.

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

Justification:

Content is clear.

**D. Guidance and Support**4. 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:

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:

**E. Active Participation of Students**6. 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:

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:

Clear and concise

**F. Targeted Instructional Strategies**8. 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:

Material is targeted to teach outcomes.

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:

**G. Targeted Assessment Strategies**10. 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:

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:

**Universal Design for Learning**12. 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:

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:

If you have questions contact Office of Instructional Materials, [imstaff@fldoe.org](mailto:imstaff@fldoe.org) or 850-245-0425

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