

Special Topics Rubric: Final Project

The Higgs-Boson

	% Weight	1 = Unacceptable	2 = Limited	3 = Developing	4 = Proficient	5 = Exemplary	Score
Voice-Over and Music	20%	The voice-over is factually inaccurate and/or the reading is disinterested or otherwise unprofessional; the vocal tonality/acoustic quality makes comprehension difficult throughout. There is no music bed or it is wholly inappropriate for the subject matter. Levels are out of balance throughout.	The voice-over factual accuracy is questionable and/or the reading feels less than fully engaged; the vocal tonality/acoustic quality makes comprehension difficult in some areas. The music bed sets an inappropriate mood given the subject matter. Levels are out of balance in several areas.	The voice-over is in some places accurate and engaging; it has appropriate vocal tonality and is acoustically clean and clear. The music bed provides ambience but is not clearly suited to the subject matter. Levels are controlled in some places.	The voice-over is in most places accurate and engaging; it has for the most part appropriate vocal tonality and is acoustically clean and clear. The music bed sets an appropriate mood. Levels are controlled in most places.	The voice-over is factually accurate, engages the target audience, has appropriate vocal tonality, and is acoustically clean and clear. The music bed sets an appropriate mood. Levels are controlled throughout.	5
Visual Design	35%	Images and movement are unclear in illustrating of the main concepts. Principles of instructional animation design are lacking in general. Visuals do not appeal to the target audience.	Images and movement ambiguously illustrate the main concepts. Principles of instructional animation design have minimal implementation. Visuals are of limited appeal to the target audience.	Images and movement clearly illustrate some concepts but not all, and principles of instructional animation design are partially implemented. Visuals are somewhat engaging for the target audience.	Images and movement clearly illustrate most concepts and principles of instructional animation design are implemented in most areas. Visuals engage the target audience for the most part.	Images and movement clearly illustrate all concepts and principles of instructional animation design are implemented throughout. Visuals engage the target audience through use of color, composition, shape, level of detail, and so on.	4
Technical Execution	40%	Principles of illustration, animation, and computer graphics are unrefined in general.	Principles of illustration, animation, and computer graphics are minimally implemented in several areas.	Principles of illustration, animation, and computer graphics are implemented in some areas while other parts lack refinement.	Principles of illustration, animation, and computer graphics are implemented in most areas.	Principles of illustration, animation, and computer graphics are implemented throughout to create a professional-quality presentation.	5
Professionalism/Presentation	5%	Two or more project requirements are not followed or not all required assets are submitted, or the student did not present the work during critique.		One project requirement is not followed (e.g. folder naming or image file format), though all required assets are submitted (no more, no less). The student presented the work during critique in a cursory manner.		All project requirements (as specified in the project outline) are adhered to without deviation. This includes submitting exactly the required assets (no more, no less) and following all technical specs. The student was engaged in the presentation during critique.	5

Notes: This project is appealing to the casual science enthusiast or as an introduction in a high-school physics course. The script/voice-over explains the subject clearly. Music is light and playful. Graphics are simple and colorful, making the complex subject matter appealing/accessible. Color schemes are used effectively. The effect of a particle interacting with the Higgs field and gaining more mass could be visualized more explicitly. Technical execution is solid in most areas. Overall very good.

Rubric score: 4.7

Associated percentage: 92%

Letter grade: A-