Grand Challenge Project Grading Rubric

Safety Factors: __/30
- Translation of objects in the MRI room __/10
- Translation of metal objects in the patient's body __/5
- Torque of metal objects in the patient's body __/5
- Effects of induced currents on equipment __/5
- Effects of induced currents on the patient __/5

Magnetostatics and Electromagnetism __/60
- Fields produced by superconducting coils __/10
- High Frequency changing fields __/5
- Magnetic Moment and Torque __/10
- Faraday's Law of Induction __/10
- Example Calculations __/10
- Explains translational force on a current loop and magnet __/10
- Explains rotation of a current loop and magnet __/5

Project Choices: __/10

Instructional Pamphlet:
- Well-organized and clearly stated __/5
- Creativity __/2
- Effort __/3

Web Site:
- Accurate and easy to navigate __/5
- Creativity __/2
- Effort __/3

PowerPoint Presentation:
- Explained well to audience __/5
- Creativity __/2
- Effort __/3

Total __/100