

**[matt.redmond@menloschool.org](mailto:matt.redmond@menloschool.org)**

**Mon May 3, 2010**

**6am - 7am Estimated Date of Parts Arrival**

**8am - 3pm Begin Construction on Custom Case**

**Tue May 4, 2010**

**8am - 12pm Continue Custom Case Construction**

**12pm - 3pm AP Stats Test**

**Wed May 5, 2010**

**8am - 12pm Continue Custom Case Construction**

**12pm - 2pm Assemble Components (innards)**

**2pm - 2:30pm Mount Internal Components in Custom Case**

**2:30pm - 3pm Complete a POST**

**Thu May 6, 2010**

**8am - 11am Operating System Configuration -- Drivers**

**11am - 3pm Operating System Configuration -- CUDA Setup**

**4pm - 5pm Case and hardware should be complete**

**Fri May 7, 2010**

**8am - 12pm Explore CUDA sample projects**

**12pm - 3pm Discuss physics engine with supervisor**

**Mon May 10, 2010**

**8am - 11am Explore CUDA editor and SDK**

**11am - 4pm Read through CUDA documentation and sample code**

**Tue May 11, 2010**

**8am - 11am Continue reading and experimenting with CUDA sample code**

**11am - 4pm Read OpenMP documentation**

**Wed May 12, 2010**

**8am - 12pm Continue reading OpenMP docs and sample code.**

**12pm - 4pm Write CUDA proof of concept program that utilizes OpenMP**

**Thu May 13, 2010**

**8am - 4pm Continue OpenMP sample Cuda program**

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**Fri May 14, 2010**

**8am - 4pm** Continue and Finish PoC program

**Mon May 17, 2010**

**8am - 12pm** Begin N-Body Electrodynamics Simulation

**12pm - 3pm** Write numerical integrator

**Tue May 18, 2010**

**8am - 3pm** Continue numerical integrator

**Wed May 19, 2010**

**8am - 12pm** Implement accurate force response (lorentz)

**12pm - 3pm** Implement spring-response forces

**Thu May 20, 2010**

**8am - 11am** Continue spring-response forces

**11am - 3pm** Begin Graphics (probably openGL)

**Fri May 21, 2010**

**8am - 3pm** Continue graphics

**Mon May 24, 2010**

**8am - 3pm** Build UI

**Tue May 25, 2010**

**8am - 11am** Finish program, do speed testing

**11am - 3pm** Optimization on program

**Wed May 26, 2010**

**8am - 3pm** Work on Presentation -- Written Part

**Thu May 27, 2010**

**8am - 3pm** Work on Presentation -- Multimedia part

**Fri May 28, 2010**

**8am - 3pm** Finalize Presentation

**3pm - 4pm** DEADLINE: Final Presentation