

EIR Time Log

| Date | Hours | Activity |
|---|-------|--|
| September 21 st , 2004 | 1 | Initial Meeting with David McKay at Lisgar |
| September 25 th -26 th , 2004 | 16 | Weather Station Feasibility Study.doc |
| September 30 th , 2004 | 1 | Apply for Police Record Check |
| October 5 th , 2004 | 12 | Attend EIR Seminar in Toronto |
| October 6 th , 2004 | 4 | Manometer Exercise.doc |
| October 9 th -10 th , 2004 | 8 | Weather Station Introduction.ppt |
| October 10 th , 2004 | 4 | Instrument Assesment Criteria.doc |
| October 11 th , 2004 | 16 | Instrument Principals.doc (preliminary) |
| October 14 th , 2004 | 1½ | Introductory Presentation to Class |
| October 16 th , 2004 | 6 | Hygrometer Exercise.doc |
| October 16 th , 2004 | 3 | Instrument Principals.doc |
| October 17 th , 2004 | 5 | Instrument Principals.doc |
| October 18 th , 2004 | 2½ | Failed Temperature Sensor Experiment |
| October 19 th , 2004 | ½ | Introductory Presentation to School Council |
| October 20 th , 2004 | 4½ | Electronics 101.doc and Lab Preparation |
| October 21 st , 2004 | 1½ | Introduction to Electronics Presentation to Class |
| October 22 nd , 2004 | 3 | Instrument Design 101.doc |
| October 23 rd , 2004 | 2 | Instrument Design 101.doc |
| October 24 th , 2004 | 4 | Solar Cell Purchase and Characterization |
| October 25 th , 2004 | 2 | Temperature Sensor Wiring & Programming |
| October 25 th , 2004 | 1 | Pencil Lead Resistance Measurement |
| October 26 th , 2004 | 2 | Introduction to Design Presentation to Class |
| October 26 th , 2004 | 2 | http://lisgar.net/weatherstation Set Up |
| October 29 th , 2004 | 3 | Eagle Schematic Editor Software Evaluation |
| October 30 th -31 st , 2004 | 6 | Solar Panel Test |
| November 1 st , 2004 | 2 | Solar Panel Test |
| November 2 nd & 3 rd , 2004 | 3 | Photo-Voltaic Calculations.doc |
| November 4 th , 2004 | 2 | Design Review with Class |
| November 6 th , 2004 | 3 | QCAD 2D Drafting Software Evaluation |
| November 7 th , 2004 | 3 | Antenna Design.pdf |
| November 9 th & 10 th , 2004 | 4 | Base Station Construction |
| November 12 th , 2004 | 2 | Design Review with Class |
| November 12 th , 2004 | 2 | Post Student Designs to Website |
| November 14 th , 2004 | 5 | Design Evaluations.doc |
| November 16 th , 2004 | 1 | Base Station Redesign |
| November 18 th , 2004 | 2 | Design Review with Class |
| November 21 st , 2004 | 1 | Base Station Construction |
| November 26 th , 2004 | 2 | Design Review with Class |
| November 29 th , 2004 | 2 | Base Station Debugging |
| December 1 st , 2004 | 2 | Base Station Debugging |
| December 1 st , 2004 | 1 | Anemometer Vane Construction |

| Date | Hours | Activity |
|----------------------------------|-------|--|
| December 2 nd , 2004 | 2 | Calibration and Review with Class |
| December 3 rd , 2004 | 2 | Base Station Debugging |
| December 4 th , 2004 | 3 | Base Station Debugging |
| December 4 th , 2004 | 2 | Barometer Exercise.doc |
| December 4 th , 2004 | 3 | Roof Unit Design |
| December 5 th , 2004 | 4 | Roof Unit Design |
| December 6 th , 2004 | 10 | Roof Unit Construction |
| December 7 th , 2004 | 3 | Roof Unit Construction |
| December 8 th , 2004 | 3 | Roof Unit Construction |
| December 9 th , 2004 | 3 | Roof Unit Construction |
| December 10 th , 2004 | 2 | Roof Unit Assembly with class |
| December 10 th , 2004 | 1 | BX-24 Interrupt Investigations |
| December 11 th , 2004 | 2 | BX-24 Interrupt Investigations |
| December 11 th , 2004 | 2 | Anemometer Displacement Sensor |
| December 12 th , 2004 | 6 | Controller.pdf |
| December 14 th , 2004 | 3 | Controller Construction |
| December 15 th , 2004 | 5 | Controller Construction |
| December 16 th , 2004 | 2 | Calibration and Test with class |
| December 18 th , 2004 | 1 | Controller Construction |
| December 19 th , 2004 | 8 | Controller Construction |
| December 21 st , 2004 | 1 | Controller Bracket Design |
| December 23 rd , 2004 | 1 | Controller Bracket Construction |
| December 31 st , 2004 | 3½ | Battery Holder Design & Construction |
| December 31 st , 2004 | 2 | BaseStation.pdf |
| January 1 st , 2005 | 2 | TestTransmitter.pdf |
| January 1 st , 2005 | 6 | Base Station Debugging |
| January 2 nd , 2005 | 12 | Base Station, Test Xmitter and Controller Debugging. |
| January 3 rd , 2005 | 3 | FM Field Tests and Antenna Optimization |
| January 4 th , 2005 | 2 | Hardware Debugging |
| January 5 th , 2005 | 1 | Hardware Packaging and Detail Photos to Website |
| January 6 th , 2005 | 4 | Integration With Class and Roof Installation |
| January 14 th , 2005 | 3 | Integration With Class |
| January 15 th , 2005 | 6 | Thermometer Bracket Design and Construction |
| January 19 th , 2005 | 3 | Anemometer Bracket Design and Construction |
| January 20 th , 2005 | 2 | Integration With Class |
| January 22 nd , 2005 | 3 | Weatherstation Software Coding |
| January 23 rd , 2005 | 3 | Weatherstation Test Jig and Weatherstation Coding |
| January 24 th , 2005 | 1 | Weatherstation Coding |
| January 25 th , 2005 | 2 | Installation |
| January 25 th , 2005 | 2 | Base Station Battery Operation |
| January 26 th , 2005 | 3 | Base Station Laptop Repair |
| January 27 th , 2005 | 2 | Instrument Test Harness |
| January 28 th , 2005 | 3 | Instrument Test Harness & Trebuchet Research |

| Date | Hours | Activity |
|----------------------------------|-------|---|
| February 30 th , 2005 | 2 | Antenna Research |
| February 2 nd , 2005 | 3 | Trebuchet Introduction.ppt |
| February 6 th , 2005 | 3 | Antenna Ground Plane Construction and Test |
| February 8 th , 2005 | 2 | Class Introduction to the Trebuchet Contest |
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