

MA2S INDEPENDENT RESEARCH

2009 / 2010 Calendar

Proposal/Scientific Background/Literature Review

DATE	BLOCKS	TASKS	DUE	POINTS
9/15/2009	9th grade DOE only	* Watch "Everyday Creativity" video		
9/16/2009	1 only	* Introduction to research * Work on selecting groups * Work on proposal idea		
9/23/2009	1 only	* Work on proposal ideas * 1 proposal only	* Group Selection Due * Assign Mentors	x1
9/25/2009	none		* All proposals are due at the beginning of school	x9
9/28/2009	none	* All proposals returned		
9/30/2009	1 only	* Lectures by choice * Lecture on creating scientific background information and literature reviews * Lecture on plagiarism * Work on gathering scientific background information and literature reviews * Seniors - 3 Scientific Journals * Juniors - 2 Scientific Journals + 1 other source * Sophomores - 1 Scientific Journal + 2 other sources * Freshmen - 3 other sources		
10/7/2009	All	* Meet with mentor teachers to discuss and refine project		
10/8/2009	All (If needed)	* Meet with mentor teachers to discuss and refine project		x4

Data Collection/Experimentation

DATE	BLOCKS	TASKS	DUE	POINTS
10/14/2009 6 week Progress Report	1 only	* Start Experiments	* Literature reviews due * Final proposal due	x10 x4
10/21/2009	1 only	* Work on data collection	* 1st data check-in (turn in notebook)	x2
10/28/2009	1 only	* Work on data collection	* 2nd data check-in (turn in notebook)	x2
11/4/2009	1 only	* Work on data collection	* 3rd data check-in (turn in notebook)	x4
11/11/2009 End 1st m.p. AM	1 only	* Work on data collection	* 4th data check-in (turn in notebook)	x4
11/18/2009 Start 2nd m.p. AM	1 only	* Work on data collection	* 5th data check-in (turn in notebook)	x8
11/23/2009 11/24/2009	ALL ALL	* Trimester Exams or Tests * Trimester Exams or Tests		
12/2/2009	1 only	* Work on data collection	* 6th data check-in (turn in notebook)	x8
12/9/2009	1 only	* Work on data collection	* 7th data check-in (turn in notebook)	x8
12/16/2009	1 only	* Work on data collection	* 8th data check-in (turn in notebook)	x8

Data Analysis

DATE	BLOCKS	TASKS	DUE	POINTS
1/11/2010	All (If needed)	* Lectures about statistical analysis		
1/12/2010	All (If needed)	* Lectures about statistical analysis		
1/13/2010	1 only	* Meet with mentors * Work on statistical analysis	* Data spreadsheets are due at end of day	x8

Data Analysis (continued)

DATE	BLOCKS	TASKS	DUE	POINTS
1/20/2010 6 week Progress Report	1 only	* Meet with mentors * Work on statistical analysis * Background paper reminder		
1/25/2010 1/26/2010	ALL ALL	* Semester Exams or Tests * Semester Exams or Tests		
2/3/2010	1 only	* Voluntary Brief lecture on <i>Methods and Materials and Results</i> * Work on writing individual <i>Methods and Materials and Results</i> sections		
2/9/2010	All (If needed)	* Meet w/ mentors regarding background papers and Stat. Analysis * Voluntary brief lecture on <i>Introduction and Discussion</i> * Work on writing hybrid <i>Methods and Materials and Results</i> sections		
2/10/2010	All (If needed)	* Meet w/ mentors regarding background papers and Stat. Analysis * Work on writing individual <i>Introduction and Discussion</i> sections	*Statistical Analysis Discussion *Background Paper Discusion * Final Background Paper	x12 x10

Writing

DATE	BLOCKS	TASKS	DUE	POINTS
2/17/2010	1 only	* Peer critique of <i>Methods and Materials and Results</i> sections. One group only using Google Docs comment boxes * Work on writing hybrid <i>Introduction and Discussion</i> sections	* Individual <i>Methods and Materials and Results</i> sections are due using Google Docs * Group Hybrid <i>Methods and Materials and Results</i> sections are due using same Google Docs Document as individuals * Google Docs Critique of <i>Methods and Materials and Results</i> sections.	x3 Each x3 Each x3 Each
2/24/2010	1 only	* Voluntary brief Lecture on writing <i>Abstract and Conclusion</i> sections * Peer critique of <i>Introduction and Discussion</i> sections. One group only using Google Docs comment boxes * Work on writing individual <i>Abstract and Conclusion</i> sections	* Individual <i>Introduction and Discussion</i> sections are due using Google Docs * Group Hybrid <i>Introduction and Discussion</i> sections are due using same Google Docs Document as individuals * Google Docs Critique of <i>Introduction and Discussion</i> sections.	x3 Each x3 Each x3 Each

Writing (continued)

DATE	BLOCKS	TASKS	DUE	POINTS
------	--------	-------	-----	--------

3/4/2010 3/5/2010	ALL ALL	* Trimester Exams or Tests * Trimester Exams or Tests		
3/10/2010	1 only	* Work on writing hybrid <i>Abstract</i> and <i>Conclusion</i> sections		
3/17/2010	1 only	* Peer critique of entire paper. One group only using hard copy.	* Individual <i>Abstract</i> and <i>Conclusion</i> sections are due using Google Docs * Group Hybrid <i>Abstract</i> and <i>Conclusion</i> sections are due using same Google Docs Document as individuals * Group Hybrid typed (double-spaced) hardcopy of entire paper due (4 copies required) * Hardcopy Critique of entire paper	x3 Each x3 Each x5 x5
3/24/2010	1 only	* Voluntary brief lecture on appropriate formatting of final paper * Work on creating final paper using Google Docs for Teacher critique. No formatting necessary.		
3/26/2010	None		* Final paper using Google Docs for Teacher Critique Due. No Formatting Necessary.	x5
3/31/2010 End 3rd m.p. AM	1 only	* Teacher critique returned * Voluntary Lecture on creating and presenting a professional Power Point presentation * Work on final paper with formatting * Begin working on Power Point presentation. No tri-folds this year.		
4/2/2010 Start 2nd m.p. AM	None		* Final Group Hybrid typed (single-spaced) hardcopy of <i>entire paper</i> with all appropriate formatting.	x19

Presentation

DATE	BLOCKS	TASKS	DUE	POINTS
------	--------	-------	-----	--------

4/14/2010	1 only	* Work on Power Point presentation		
4/21/2010 6 week Progress Report	1 only	* Work on Power Point presentation		
4/28/2010	1 only	* Work on Power Point presentation * Rehearse Power Point presentation		
4/30/2010	none		* Power Point presentations due	x5
5/5/2010	All (If needed)	* Senior/Junior presentations to school and community		x14
5/12/2010	All (If needed)	* Junior/Sophomore presentations to school and community		x14
5/19/2010	All (If needed)	* Sophomore/Freshmen presentations to school and community		x14
5/26/2010	All (If needed)	* Freshmen presentations to school and community		x14