Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
1	Discipline of STEM.	Students brainstorm ideas	Students are given a research		HS-PS1-3. Chemistry
	Scientific research is explained and	for their research project.	journal to keep all data and		HS-PS1-4. Chemistry
	reviewed. Current and classic examples	Research previous	references in. Students are told		HS-PS1-6. Chemistry
	shown. A sample journal article and	experiments to assist in the	how to keep the journal		HS-PS1-8. Chemistry
	student work given to students.	decision process.	chronological and organized for		
	Syllabus and timeline for class reviewed.	All information will be kept	use, grading and final		HS-PS2-5. Physics
		in science journal	presentation at events.		HS-PS3-1 - 5 Physics
	Students will be asked to decided a				
	field of study interest.		Students are informed that		HS-LS1-3. Biology
	Some examples include: Animal STEM,		weekly journal checks as well as		HS-LS2-5. Biology
	Behavioral/Social STEM, Biochemistry,		milestones in research process		HS-LS4-6. Biology
	Cellular/Molecular Biology, Chemistry,		will be basis for grade.		
	Computer STEM, Earth STEM,				HS-ESS1-1. Earth
	Engineering (materials, bioengineering,		A minimum of 2 ideas for		HS-ESS1-2. Earth
	electrical, mechanical), Energy /		research project are due by the		HS-ESS2-1. Earth
	Transportation STEM, Environmental		end of the week ; written in		HS-ESS2-3. Earth
	Analysis, Environmental Management,		journal.		
	Mathematical STEM, Medicine / Health				
	STEM, Microbiology,				
	Physics/Astronomy, or Plant STEM.				
	Acceptable and not acceptable				
	examples given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
2	Draft and Finalize Letter to Email.	With research ideas in mind	Journal will be checked weekly	EALR 2: INQ G	
and	Using the Internet, locate and begin a	students are to draft letters	for correspondence with		
3	correspondence with professionals	to scientists and other	scientists.		
	within the discipline chosen during	professionals currently in the			
	universities, colleges, vocational	field related to the research	A minimum of 2 letters of		
	institutes, scientific businesses.	topics they have chosen.	correspondence is required.		
	Develop cutting edge ideas and	These letters are inquiry	This is for each research idea. If		
	questions regarding a specific scientific	based; looking for	a final idea has been decided; 4		
	interest.	information, answers to	different passes of		
		specific questions and	correspondence is required.		
	Acceptable and not acceptable examples	possible continuing personal			
	given.	support.	Full list of all contact		
		All correspondence is saved	information of mentors and		
		and logged in journal.	contacts clearly listed in journal.		
			E-journal in the form of an email		
			file created. All correspondence		
			will be cc'd to the instructor.		

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
4	Background Research.	At this point the student has	Journal will be checked on a	EALR 2: INQ H	HS-PS1-1. Chemistry
and	Using the Internet, locate journal	decided the research they	weekly basis.	EALR 3: APP A	
5	articles, scientific publications, scientific	will conduct.	Required:	EALR 4: PS1 A-H	HS-LS2-6. Biology
	news articles, or even phone		-list of minimum 8 journal	EALR 4: PS2 A-K	
	conversations regarding the ideas and	They are to research:	articles of past experimentation.	EALR 4: PS3 A-E	HS-ESS2-2. Earth
	questions created during Weeks 2 and 3.	-supplies needed	- Beneficial communication with	EALR 4: ES1 A&B	HS-ESS3-2. Earth
	Have a solid understanding of the	-previous experimentation	current scientist.	EALR 4: ES2 A-D	HS-ESS3-4. Earth
	processes, terminology, people and	-the scientific processes they	-list of supplies needed	EALR 4: ES3 A-D	HS-ESS3-5. Earth
	places in the particular field and methods	will be working with	-draft of timeline	EALR 4: LS1 A-H	
	behind specific scientific ideas and	-time lines and possible	-draft of method	EALR 4: LS2 A-F	HS-ETS1-1. Engineering
	questions.	issues they may face		EALR 4: LS3 A-E	
	Acceptable and not acceptable examples	Student will need to provide			
	given.	evidence in the form of			
		journal articles, emails,			
		internet articles, etc.			

Curriculum, WA State Learning Standards, Next Generation Science Standards

Goals - Instruction			Learning	
Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
Hypothesis.	Student will write a workable	Journal checked for notes and	EALR 2: INQ A	HS-LS2-7. Biology
The hypothesis needs to be both	hypothesis for their	communication with mentors.	EALR 3: APP B	HS-LS3-1. Biology
quantifiable as well as testable. What	research.			
equipment will be needed to gather		Journals will be checked for all		
data?	Make a list of all supplied	the work listed in the student		
Begin a rough sketch of the Materials	needed to complete the	work to the left.		
and Methods needed to test and execute	work.			
the research while creating a solid				
hypothesis.	Make a draft of the			
Email the hypothesis to any or all	procedure, steps, and time			
contacts made during Weeks 2-5 for	line needed.			
advice or critiquing.				
	Email the hypothesis to			
Acceptable and not acceptable examples	mentors for critique.			
given.				
	Goals - Instruction Recourses Hypothesis. The hypothesis needs to be both quantifiable as well as testable. What equipment will be needed to gather data? Begin a rough sketch of the Materials and Methods needed to test and execute the research while creating a solid hypothesis. Email the hypothesis to any or all contacts made during Weeks 2-5 for advice or critiquing. Acceptable and not acceptable examples given.	Goals - Instruction RecoursesStudent WorkHypothesis. The hypothesis needs to be both quantifiable as well as testable. What equipment will be needed to gather data? Begin a rough sketch of the Materials and Methods needed to test and execute the research while creating a solid hypothesis. Email the hypothesis to any or all contacts made during Weeks 2-5 for advice or critiquing.Student WorkAcceptable and not acceptable examples given.Make a draft of the procedure, steps, and time line needed.	Goals - Instruction RecoursesStudent WorkAssessmentHypothesis. The hypothesis needs to be both quantifiable as well as testable. What equipment will be needed to gather data? Begin a rough sketch of the Materials and Methods needed to test and execute the research while creating a solid hypothesis. Email the hypothesis to any or all contacts made during Weeks 2-5 for advice or critiquing.Student Wirk a work and time hypothesis to methods needed. Make a draft of the procedure, steps, and time line needed.Acceptable and not acceptable examples given.Make a methors for critique.	Goals - Instruction RecoursesStudent WorkAssessmentLearning StandardsHypothesis.Student will write a workable hypothesis needed to gather data?Student will write a workable hypothesis for their research.Journal checked for notes and communication with mentors.EALR 2: INQ ABegin a rough sketch of the Materials and Methods needed to test and execute the research while creating a solid hypothesis.Make a list of all supplied needed to complete the work.Journals will be checked for all the work listed in the student work to the left.Email the hypothesis to any or all contacts made during Weeks 2-5 for given.Make a draft of the procedure, steps, and time line needed.Email the hypothesis to mentors for critique.Acceptable and not acceptable examples given.Make a cortique.Email the hypothesis to mentors for critique.Hypothesis to mentors for critique.

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
6	Introduction and Hypothesis.	Student will write a draft of	Journal checked for notes and	EALR 3: APP C	HS-PS1-2. Chemistry
	Set the stage for the main scientific	the introduction. This draft	communication with mentors.	EALR 4: PS1 A-H	
	argument. This section of the paper	will be reviewed by		EALR 4: PS2 A-K	HS-ESS2-4. Earth
	should interest or "hook" the reader,	instructor and revised a	Three drafts of the introduction	EALR 4: PS3 A-E	HS-ESS3-1. Earth
	creating an awareness of the potential	minimum of 3 times by the	reviewed.	EALR 4: ES1 A&B	
	significance of the research. This piece	end of the week.		EALR 4: ES2 A-D	
	describes the particular issue or issues			EALR 4: ES3 A-D	
	that the paper will address, why these				
	issues are important, and provides the				
	reader with a brief introductory				
	knowledge regarding terminology or				
	processes unique to your research. Make				
	sure the reader understands why such				
	observations are needed by citing similar				
	studies done by others. As the literature				
	is being cited, begin creating a rough				
	Literature Cited and References draft in				
	APA Journal Style Format. The last				
	paragraph of the Introduction should				
	explain and describe the hypothesis.				
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	Recourses	Student Work	Assessment	Standards	Next Gen Science Standards
7	Valid Materials and Method.	Students are to write a draft	Journal checked for notes and	EALR 1: SYS B	HS-PS1-3. Chemistry
	This section explains to the reader how	of the methods and	communication with mentors.	EALR 2: INQ B	HS-PS1-4. Chemistry
	the research was conducted to get the	materials for the research.		EALR 2: INQ D	HS-PS1-6. Chemistry
	new data presented. Mold the	This will be reviewed and	Drafts of methods and materials		
	methodology that provides the context	revised. Minimum of three	reviewed and graded.		HS-PS2-3. Physics
	for evaluating the data. Plates	revisions by the end of the			
	(pictures), drawings, and figures are	week.	Minimum of three revisions for		HS-ESS2-6. Earth
	almost a must for this section. Possible		full credit.		HS-ESS3-3. Earth
	explanations as to why the procedure				
	was conducted in the manner chosen.				HS-ETS1-2. Engineering
	This section should be so complete that				
	a person with little scientific knowledge				
	could completely reproduce the				
	procedure created.				
	Acceptable and not acceptable examples				
	given.				
	0				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
8 and 9	resources Submission and Approval from Scientific Review Committee and/or the Institutional Review Board. A Scientific Review Committee (SRC) is a group of adults knowledgeable about regulations concerning experimentation especially with vertebrate animals and potentially hazardous biological agents. The SRC must review and approve all projects in these areas before experimentation may begin. Shortly before competition, the Fair SRC will also review the documentation for ALL projects to ensure that students have followed all applicable rules and that the project is eligible to compete. The Institutional Review Board (IRB) is constructed to evaluate the potential physical or psychological risk of research conducted by high school students. Members of the SRC and/or the IRB read each research proposal and assess if each individual project warrants more information before data collection begins. Acceptable and not acceptable examples given.	Student Work Student will review their research project in relation to the SRC regulations. Then collect the appropriate paperwork for the approval of their work. Then fill out all paperwork and have it reviewed by the instructor. Finally submit all paperwork. Student will do ample work as follow up to each submission making sure it is complete and timely.	Assessment Journal will be checked for a list of: -SRC regulations that relate to students study. -List of paperwork needed, locations of paper work, and due dates. -Notes on dates and times paper work was submitted and confirmation it was completed on time. Instructor will check off all paperwork and assist with any signatures needed.	Standards EALR 2: INQ D	Next Gen Science Standards

Curriculum, WA State Learning Standards, Next Generation Science Standards

Students engaging in Advanced STEM Research will: 1) make observations on the real world, 2) create questions regarding their observations utilizing background research, 3) formulate a hypothesis or engineering goal centered on those questions/observations, 4) develop a method of quantitative experimentation, 5) analyze the data set using appropriate statistical analysis, 6) and discuss/conclude the details of the results in a concise, scientific manner. During the entire process, a scientific journal will chronologically keep any and all research questions, ideas, data, and analysis. Each student will be required to use technological means for creating, experimenting, or statistically analyzing the data sets. Once the journal article has been completed, reviewed, and approved, each student will create a presentation both physically (poster board) as well as digitally (PowerPoint), and present the scientific research to the scientific community. Week **Goals** - Instruction Learning resources Student Work Assessment Standards Next Gen Science Standards 10 Experimentation. Students are expected to Journal will be checked as often EALR 2: INQ B HS-PS1-3. Chemistry Data collection using the created and follow the method steps as possible. Notes should be EALR 4: PS1 A-H HS-PS1-5. Chemistry Thru SRC/IRB approved Materials and they have created. They are 12 taken in journal on a daily basis. EALR 4: PS2 A-K Method. to keep on task and follow a Any changes or surprises will be EALR 4: PS3 A-E HS-LS1-4. Biology schedule in order to get the logged. Evidence of EALR 4: ES2 A-D HS-LS1-5. Biology One on one help throughout the process experiment complete on photographs will be checked as EALR 4: ES3 A-D HS-LS1-7. Biology will be needed. Each student will need time. All changes or items to well. Communication with EALR 4: LS1 A-H HS-LS2-3. Biology specific help related to the field of study. note will be logged in mentors at minimum of weekly. EALR 4: LS2 A-F EALR 4: LS3 A-E HS-ESS2-5. Earth Keeping student on task and positive journal. Photographs and or about study is important. Issues will video will be taken at all come up and they need the instructor to stages of the experiment. keep the momentum moving. Acceptable and not acceptable examples given.

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
13	Statistical Analysis of Data.	Students will take all data	Journal will be check for notes	EALR 1: SYS C	HS-PS1-7. Chemistry
	Analyzing and comparing the	from work and use	on statistical formulas to be	EALR 1: SYS D	
	experimental data with the control data.	appropriated statistical	used in project.	EALR 2: INQB	HS-PS2-1. Physics
	Choosing the correct statistical tool: Chi	analysis to test data for		EALR 2: INQ C	HS-PS2-2. Physics
	Square, t-test, z-test, ANOVA, or many	significance.	Mentor communication relating	EALR 2: INQ D	HS-PS2-4. Physics
	others.		to formulas used in journal is	EALR 2: INQ F	HS-PS4-1 - 5. Physics
		A true understanding of	required.		
	Each type of statistical formula reviewed	these formulas will be			HS-LS2-1. Biology
	by instructor.	needed not only to conduct	All data taken during		HS-LS2-2. Biology
		the tests, but also to be able	experiment should be in		HS-LS2-4. Biology
	Acceptable and not acceptable examples	to speak about these	journal. This data needs to be		HS-LS4-3. Biology
	given.	formulas at the scientific	organized and easy to read.		
		events.			HS-ESS1-3. Earth
			Test results listed clearly.		HS-ESS1-4. Earth
					HS-ESS3-6. Earth

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
14	Interpretation of Data.	Student will take all data and	Journal will be checked for all	EALR 2: INQ C	HS-PS1-7. Chemistry
	Making sense of the data and	stat test results then create:	requirements listed to the left.	EALR 2: INQ D	HS-PS1-8. Chemistry
	recognizing important trends and	-a table of data		EALR 2: INQ F	
	patterns. Creating the correct graphs:	-a graph representing the	Correspondence with mentors	EALR 3: APP D	HS-LS2-4. Biology
	scatterplot, bar / column, pie, or many	results of the data	about data, stat test, and stat		HS-LS3-2. Biology
	others.	-additional graphs or visual	test results will be required.		HS-LS3-3. Biology
		representations of data and			HS-LS4-1. Biology
	Acceptable and not acceptable examples	the results of the stat tests.			HS-LS4-2. Biology
	given.				HS-LS4-4. Biology
		Draft paragraphs describing			HS-LS4-5. Biology
		the results and meaning in			
		relation to the hypothesis.			HS-ESS1-5. Earth
					HS-ETS1-4. Engineering

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
15	Results.	Students will create a draft	Journal checked for notes and	EALR 1: SYS A	HS-PS2-6. Physics
	Summarize and illustrate the findings.	of the results portion of the	communication with mentors.	EALR 2: INQ C	
	Create tables showing the mean,	paper. This will include all		EALR 2: INQ D	HS-LS2-4. Biology
	standard deviation, variance, and	items listed to the left.	Each portion of the results	EALR 2: INQ F	
	population of each trial; minimum and		checked and reviewed.	EALR 3: APP E	
	maximum values from your data set are	Minimum of 3 full drafts		EALR 4: PS1 A-H	
	not uncommon. Since the experiment is	created with reviews of the	Three or more drafts reviewed.	EALR 4: PS2 A-K	
	trying to show the relationship of the	instructor.		EALR 4: PS3 A-E	
	experimental data compared with the			EALR 4: ES1 A&B	
	control data, then the results should			EALR 4: ES2 A-D	
	include sentences that relate to this			EALR 4: ES3 A-D	
	topic. Any data supported by graphs or			EALR 4: LS1 A-H	
	tables in the report should reveal a			EALR 4: LS2 A-F	
	"trend" for that data. Input these trends			EALR 4: LS3 A-E	
	in the results, specifically if the trend is				
	positive (slope rises) or inverse/negative				
	(slope falls), including standard				
	deviation.				
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
16	resources Discussion and Conclusion Explain to the reader what the newfound data means and tie in any findings by other researchers. Describe how the interpreted data fits any direct observations or any derived quantities presented in the previous sections. This interpretation should lead the reader to some new insight to the particular research area: perhaps a re-determination of some critical idea used by other researchers, a new refinement to a theory, or evidence that some previously-held understanding is incomplete or incorrect in some fundamental way. Often in the past, this portion is the most neglected because it is left until the end to complete; however, this segment of the research paper is perhaps the most important! It should also include the "real world" relevance of why the topic that was chosen may or may not impact the scientific world.	Student Work Students will create a draft of the discussion portion of the paper. This will include all items listed to the left. Minimum of 3 full drafts created with reviews of the instructor.	Assessment Journal checked for notes and communication with mentors. Each portion of the discussion checked and reviewed. Three or more drafts reviewed.	Standards EALR 2: INQ C EALR 2: INQ D EALR 2: INQ F EALR 3: APP E EALR 3: APP F EALR 4: ES1 A&B EALR 4: ES2 A-D	Next Gen Science Standards HS-PS1-5. Chemistry HS-LS2-8. Biology HS-ESS1-6. Earth HS-ESS2-7. Earth HS-ETS1-3. Earth

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
16	Appendix or Appendices.	Students will create a draft	Journal checked for notes and		
	Often in research, a particular bit of	of the appendix portion of	communication with mentors.		
	information needed to help explain	the paper. This will include			
	methodology, mathematical	all items listed to the left.	Each portion of the appendix		
	computation, or literature needed to		checked and reviewed.		
	support experimentation (such as	Minimum of 3 full drafts			
	questionnaires for human studies) is too	created with reviews of the	Three or more drafts reviewed.		
	large for the main body of the research	instructor.			
	paper. In this case, it is common to refer				
	to the larger portion as, say, Appendix A,				
	linking it from a descriptive sentence in				
	the main portion of the paper. Create				
	your Appendix during this timeframe if				
	needed.				
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
17	References and Literature Cited.	Students will create a draft	Journal checked for notes and	EALR 2: INQ D	
and	Cite journal articles / sources used	of the references portion of	communication with mentors.	EALR 2: INQ F	
18	throughout the research paper.	the paper. This will include		EALR 2: INQ H	
	Do not cite dictionaries, encyclopedias,	all items listed to the left.	Each portion of the reference	EALR 4: ES1 A&B	
	websites, or other reference materials		checked and reviewed.		
	unless the material is very specific.	Minimum of 3 full drafts			
	In this portion, the research should be	created with reviews of the	Three or more drafts reviewed.		
	supported by journal articles paralleling	instructor.			
	your research.				
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
17	Abstract.	Students will create a draft	Journal checked for notes and	EALR 2: INQ G	
and	In usually 200-250 words or less, write a	of the abstract portion of the	communication with mentors.		
18	paragraph summarizing your entire	paper. This will include all			
	research. Although the abstract needs to	items listed to the left.	Each portion of the abstract		
	introduce your research, as well as		checked and reviewed.		
	explain the high-lites of the	Minimum of 3 full drafts			
	methodology, the focus should be on	created with reviews of the	Three or more drafts reviewed.		
	your findings and the implications of	instructor.			
	your findings.				
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
17	PowerPoint and Poster Display.	Student will create:	Final paper reviewed and	EALR 2: INQ G	
and	Using the final draft of the journal	-final draft of the research	approved.		
18	paper, create a PowerPoint presentation	paper.	PowerPoint reviewed and		
	for digital sharing as well as a poster	-a PowerPoint presentation.	approved.		
	display for close contact sharing. Certain	-a poster board display:	Poster board (physical and		
	symposia require PowerPoint while	physical poster in pieced	digital) reviewed and approved.		
	others use a traditional poster board	together paper form or			
	display.	printed poster form; and a	Communication with mentor		
		digital format.	checked.		
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
19	Presentation to Scientific Community.	Student will be ready to	Presentation from paper,	EALR 2: INQ G	HS-PS2-6. Chemistry
Thru	Share your scientific findings with the	present all work to the	physical board, to student		
34	local community, businesses of interest,	community. Student will	verbal speech on work will be		
	government agencies, other interested	sign up for local and regional	reviewed, critiqued and		
	research facilities or universities, and	presentations from science	approved.		
	various science symposia, fairs, and	fairs to symposiums.			
	events.		Student will be graded on		
		Presentations to class and	readiness for presentations as		
	Acceptable and not acceptable examples	school will be done as trial	well as if they are properly		
	given.	practices.	signed up for all events.		

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
19	Fine-Tune Your Research and Update.	Student will review self work	Journal will be checked for	EALR 2: INQ G	
Thru	Many of the events where you will	for any questions that a	notes and all mentor		
34	present do not demand that your	scientist or viewer of the	communication.		
	research stop by any means. Therefore,	work might ask. Student will			
	you should continue further research	prepare for these questions	A list of all issues or ideas that		
	that will stem from your current	by:	have come up since finalizing		
	research: run more trials to solidify your	-researching all aspects of	research.		
	results, reflect on your limitations and	issues related to results and			
	see if it is possible to overcome the	being fully prepared to	All new findings with list of		
	limitations in your time left, or make	speaker to this.	references.		
	connections with new contacts along the	-have all data related to new			
	way. Any changes to your data require	information found.	Possible ideas for next steps		
	going back and reworking your Materials	-have a list of possible 'next'	from realistic to fantasy ideas.		
	and Methods, your Results, your	steps for the research to go			
	Discussion and Conclusion, and possible	to.	Student able to speak about all		
	other areas of your paper.		avenues well.		
	Acceptable and not acceptable examples				
	given.				

Curriculum, WA State Learning Standards, Next Generation Science Standards

Week	Goals - Instruction			Learning	
	resources	Student Work	Assessment	Standards	Next Gen Science Standards
35	Clean Up and Thank You.	Student will clean up all lab	Instructor will check that all		
and	Clean up all lab ware and supplies, check	work related to their	supplied are cleaned up and or		
36	materials borrowed back in to surplus	research.	returned if borrowed.		
	room, and write, acknowledge, and				
	thank the people and places that	Student will send out thank	Thank you, updates and invites		
	contributed toward the research project	you to all individuals	will be checked for		
	this year.	involved in process.	appropriateness and timeliness.		
	Acceptable and not acceptable examples	Students will send updates			
	given.	and invites to events to all			
		individuals involved.			