

Grade 7 Long Range Plan 2007-2008

	September	October	November	December	January
Topic:	Introductory Unit and Unit 1: Mix and Flow of Matter	Unit 1: Mix and Flow of matter	Unit 1: cont'd and Unit 2: Mechanical Systems	Unit 2: Mechanical Systems	Unit 2: cont'd and Unit 3: Cells and Systems
Resources:	<ul style="list-style-type: none"> - Textbook - Science Focus 8 - Introductory Unit Package. - Black gold and PBS: NOVA websites. 	<ul style="list-style-type: none"> - Textbook - Science Focus 8 - Black gold and PBS: NOVA websites. - Edquest Teacher resource. 	<ul style="list-style-type: none"> - Textbook - Science Focus 8 - Black gold and learn Alberta websites. - Edquest Teacher Resource 	<ul style="list-style-type: none"> - Textbook - Science Focus 8 - Black gold and learn Alberta websites. - Edquest Teacher Resource 	<ul style="list-style-type: none"> - Textbook - Science Focus 8 - Black gold and learn Alberta websites. - Edquest Teacher Resource
Instructional Approaches:	<ul style="list-style-type: none"> - Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw 	<ul style="list-style-type: none"> - Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw 	<ul style="list-style-type: none"> - Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw 	<ul style="list-style-type: none"> - Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw 	<ul style="list-style-type: none"> - Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw
Special Activities:	<ul style="list-style-type: none"> - Outrageous Ooze - Determining flow rate lab. - Internet density lab activity. - Build a submarine 	<ul style="list-style-type: none"> - Outrageous Ooze - Determining flow rate lab. - Internet density lab activity. - Build a submarine 	<ul style="list-style-type: none"> - Mini Rube Goldberg Machines. - Levers Activity - Egg Mobile Project - Living with a Machine Debate 	<ul style="list-style-type: none"> - Mini Rube Goldberg Machines. - Levers Activity - Egg Mobile Project - Living with a Machine Debate 	<ul style="list-style-type: none"> - Energy bar performance debate - Cell model project - Human body research project - Cell internet activity

Evaluation:	Formative - Labs - Assignments - Presentations Summative - Topic 1-3 quiz - Topic 5 quiz - Topic 3-6 quiz - Piping Potash - Vocabulary Quiz - Unit Final	Formative - Labs - Assignments - Presentations Summative - Topic 1-3 quiz - Topic 5 quiz - Topic 3-6 quiz - Piping Potash - Vocabulary Quiz - Unit Final	Formative - Labs - Assignments - Presentations Summative - Topic 1-3 quiz - Topic 4-6 quiz - Vocabulary Quiz - Unit Final	Formative - Labs - Assignments - Presentations Summative - Topic 1-3 quiz - Topic 4-6 quiz - Vocabulary Quiz - Unit Final	Formative - Labs - Assignments - Presentations Summative - Topic 1-2 quiz - Topic 3-5 quiz - Topic 6-7 quiz - Vocabulary quiz - Human body research project - Unit Final
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	February	March	April	May	June
Topic:	Unit 3: Cells and Systems	Unit 3: cont'd and Unit 4: Light and Optical Systems	Unit 4: Light and Optical Systems	Unit 5: Fresh and Salt Water Systems	Unit 5: cont'd and year end review
Resources:	- Textbook - Science Focus 8 - Black Gold, Learn Alberta, Edquest websites	- Textbook - Science Focus 8 - Black Gold, Learn Alberta, Edquest websites	- Textbook - Science Focus 8 - Black Gold, Learn Alberta, Edquest websites	- Textbook - Science Focus 8 - Black Gold, Learn Alberta, Edquest websites	- Textbook - Science Focus 8 - Black Gold, Learn Alberta, Edquest websites
Instructional Approaches:	- Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw	- Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw	- Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw	- Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw	- Lecture - Readings - Labs - Demonstrations - Problem solving - Concept attainment/maps - Cooperative learning groups - Jigsaw
Special Activities:	- Energy bar performance debate - Cell model project - Human body research project - Cell internet activity	- Eyeball dissection - Ray box lab - Shoe box camera's - Eye Spy Unit Project	- Eyeball dissection - Ray box lab - Shoe box camera's - Eye Spy Unit Project	- Stream flow lab - Create your own aquarium - Holding back the water debate	- Stream flow lab - Create your own aquarium - Holding back the water debate - Year end Review
Evaluation:	Formative - Labs - Assignments - Presentations Summative	Formative - Labs - Assignments - Presentations Summative	Formative - Labs - Assignments - Presentations Summative	Formative - Labs - Assignments - Presentations Summative	Formative - Labs - Assignments - Presentations Summative

- Topic 1-2 quiz - Topic 3-5 quiz - Topic 6-7 quiz - Vocabulary quiz - Human body research project - Unit Final	- Topic 1-3 quiz - Topic 4-5 quiz - Vocabulary quiz - Eye spy unit project. - Unit final	- Topic 1-3 quiz - Topic 4-5 quiz - Vocabulary quiz - Eye spy unit project. - Unit final	- Topic 1-2 quiz - Topic 3-4 quiz - Topic 4-6 quiz - Vocabulary quiz - Unit final	- Vocabulary quiz - Unit Final - Final Exam = TBA (20%)
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*** Each term is valued at 20% and the final exam is worth an additional 20%.