

Grade 3/4/5/6 Long Range Plans 2007-2008

	September	October	November	December	January
Topic:	Introduction and Unit 1: Classroom Chemistry	Unit 1: Classroom Chemistry	Unit 1: Classroom Chemistry Unit 2: Electricity and Magnetism	Unit 2: Electricity and Magnetism	Unit 2: Electricity and Magnetism Unit 3: Mechanisms using Electricity
Resources:	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn 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:	- Science in a crate activity "Chemistry and the chocolate factory." - Crystal gardens - Carbon dioxide extinguishers.	- Science in a crate activity "Chemistry and the chocolate factory." - Crystal gardens - Carbon dioxide extinguishers.	- Electromagnets - Circuit diagrams - Electrical safety skits.	- Electromagnets - Circuit diagrams - Electrical safety skits.	- Building circuits - Hoist and fan construction. - Home burglar alarm construction

Evaluation:	<p>Formative</p> <ul style="list-style-type: none"> - Labs - Activities - Assignments - Presentations <p>Summative:</p> <ul style="list-style-type: none"> - Quiz 1 and 2 - Performance assessment: “Survival Reward Challenge” - Concept review unit exam. 	<p>Formative</p> <ul style="list-style-type: none"> - Labs - Activities - Assignments - Presentations <p>Summative:</p> <ul style="list-style-type: none"> - Quiz 1 and 2 - Performance assessment: “Survival Reward Challenge” - Concept review unit exam. 	<p>Formative</p> <ul style="list-style-type: none"> - Labs - Activities - Assignments - Presentations <p>Summative:</p> <ul style="list-style-type: none"> -Quiz 1 and 2 - Performance assessment: “All wired up” - Concept review unit exam. 	<p>Formative</p> <ul style="list-style-type: none"> - Labs - Activities - Assignments - Presentations <p>Summative:</p> <ul style="list-style-type: none"> -Quiz 1 and 2 - Performance assessment: “All wired up” - Concept review unit exam. 	<p>Formative</p> <ul style="list-style-type: none"> - Labs - Activities - Assignments - Presentations <p>Summative:</p> <ul style="list-style-type: none"> - Quiz 1 and 2 - Performance assessment: “Hands off – lunch box alarm” - Concept review unit exam.
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	February	March	April	May	June
Topic:	Unit 3: Mechanisms using Electricity	Unit 4: Weather Watch	Unit 4: Weather Watch	Unit 5: Wetland Ecosystems	Unit 5: Wetland Ecosystems
Resources:	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn websites.	- Edmonton Public Schools resource manuals - Learn Alberta, Black Gold, and 2 learn 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:	- Building circuits - Hoist and fan construction. - Home burglar alarm construction	- Measuring weather phenomena using student designed instruments. - Fabric testing for weather conditions.	- Measuring weather phenomena using student designed instruments. - Fabric testing for weather conditions.	- Investigating wetlands. (field trip?) - Adaptation races - Student wetland preservation strategies.	- Investigating wetlands. (field trip?) - Adaptation races - Student wetland preservation strategies.

Evaluation:	Formative - Labs - Activities - Assignments - Presentations Summative: - Quiz 1 and 2 - Performance assessment: “Hands off – lunch box alarm” - Concept review unit exam.	Formative - Labs - Activities - Assignments - Presentations Summative: - Quiz 1 and 2 - Concept review unit exam	Formative - Labs - Activities - Assignments - Presentations Summative: - Quiz 1 and 2 - Concept review unit exam	Formative - Labs - Activities - Assignments - Presentations Summative: - Quiz 1 and 2 - Performance assessment: “Save the Wetlands.” - Concept review unit exam	Formative - Labs - Activities - Assignments - Presentations Summative: - Quiz 1 and 2 - Performance assessment: “Save the Wetlands.” - Concept review unit exam
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***Each unit is valued at 20% of the total course mark.