

Student Name	
Textbook(s) used at ADLC	
Textbook(s) used by student	
School where student completed work	
Teacher Name	
Teacher Contact Information	
Please email completed checklist to the assigned ADLC teacher (this information is available in SIS).	

Unit	Description	Completed √	Mark	Exemption Issued (ADLC use only)
1	Classroom Chemistry <ul style="list-style-type: none"> • Recognize mixtures (solids, solid and liquid, liquids) • Apply various techniques for separating materials • Distinguish substances that will dissolve from those that will not • Demonstrate a procedure for making a crystal • Produce carbon dioxide gas and demonstrate that it is different than air • Distinguish between reversible and irreversible chemical reactions and give examples of each • Describe evidence of a chemical reaction and describe how products of a reaction differ from the original substances • Use an indicator to identify acids and bases 			
2	Using Electricity and Magnetism and Mechanics <ul style="list-style-type: none"> • Recognize potential dangers in electrical currents • Show how electricity and magnetism are related • Demonstrate evidence of magnetic fields 			

	<ul style="list-style-type: none"> • Demonstrate parallel and series circuits • Recognize and demonstrate insulators and resistors • Measure using kilowatt hours • Read a household electrical meter • Read efficiency labels on electrical appliances • Draw circuit diagrams • Identify applications of electrical devices • Recognize and construct various switches • Design a burglar alarm • Design various devices that use battery powered electric motors (for example a model car, electric fan, hoist, mobile etc.) • Design and carry out an investigation of a practical problem and develop a possible solution (converting electrical to mechanical energy) • Follow the steps of the scientific method to solve a problem <ul style="list-style-type: none"> ○ Identify a problem ○ Ask a Question ○ Research ○ Record observations and measurements accurately ○ State an inference ○ Develop criteria to evaluate the design of their product ○ Identify new questions that arise 			
3	<p>Weather Watch</p> <ul style="list-style-type: none"> • Predict where one will find warm and cool temperatures • Describe patterns of air movements from warm to cool • Demonstrate methods for measuring wind speed and finding wind direction • Describe evidence that air contains moisture • Describe and measure precipitation (rain, hail, sleet, snow) • Measure four different kinds of weather phenomenon • Record weather over a period of time • Identify common types of clouds • Describe the effect of the Sun's energy on the seasons • Recognize weather systems are generated because different surfaces on the Earth retain and release heat at different rates 			

	<ul style="list-style-type: none"> • Understand the term climate • Explain the greenhouse effect • Appreciate weather forecasting and connect with suitable clothing and shelter • Test fabrics and clothing to meet challenges of the weather (water and wind resistance, protection from the cold) 			
4	<p>Wetlands and Ecosystems</p> <ul style="list-style-type: none"> • Recognize and describe wetland ecosystems (pond, slough, marsh, bog, fen) • Identify the interaction between living and nonliving things • Identify some wetland plants and animals and describe the life cycle of these plants and animals • Identify and describe adaptations of plants and animals • Describe producer, consumer, decomposer roles • Draw food chains and food webs • Recognize animals that get oxygen from the air or from the water • Identify how humans can affect wetlands 			
<p>Comments</p>				
<p>Teacher's Signature _____</p>				