

**Louisiana Educational Assessment Program
LEAP Alternate Assessment, Level 2 (LAA 2)
Science Achievement Level Descriptors: Grade 11**

Achievement Level	Descriptors
Advanced	<ul style="list-style-type: none"> • Not applicable
Mastery	<ul style="list-style-type: none"> • Not applicable
Basic	<p>A student at this level has demonstrated only the fundamental knowledge and skills needed for the next level of schooling.</p> <p>Students scoring at this level generally exhibit the ability to</p> <ul style="list-style-type: none"> • formulate valid hypotheses; • design a simple experiment; • draw appropriate conclusions; • develop inferences from experimentation and apply that information to new situations; • distinguish scientific principles from pseudoscience; and • apply scientific principles to their everyday lives. <p>With inquiry as the core, students at the <i>Basic</i> level begin to identify unifying concepts and processes among the science disciplines—physical, life, earth/space, and the environmental sciences.</p>
Approaching Basic	<p>A student at this level has only partially demonstrated the fundamental knowledge and skills needed for the next level of schooling.</p> <p>Students scoring at this level generally exhibit the ability to</p> <ul style="list-style-type: none"> • know and understand fundamental science facts and concepts concerning the world; and • make observations, form a reasonable hypothesis, identify variables, interpret data, and draw conclusions. <p>These skills should be demonstrated through the science disciplines—physical, life, earth/space, and the environmental sciences.</p>
Foundational	<p>A student at this level has <i>not</i> demonstrated the fundamental knowledge and skills needed for the next level of schooling but has demonstrated the foundational knowledge and skills that can be built upon to access the grade-level curriculum.</p> <p>Students scoring at this level generally exhibit the ability to</p> <ul style="list-style-type: none"> • demonstrate limited knowledge and understanding of fundamental science facts and concepts concerning the world; and • make simple observations, attempt to form a hypothesis, identify a limited number and type of variables, minimally interpret data, and draw conclusions that may be inappropriate or inaccurate. <p>These skills should be demonstrated through the science disciplines—physical, life, earth/space, and the environmental sciences.</p>

Pre-Foundational	<p>A student at this level has <i>not</i> demonstrated the fundamental knowledge and skills needed for the next level of schooling. However, the student may be developing the foundational knowledge and skills that can be built upon to access the grade-level curriculum.</p> <p>Students scoring at this level <i>need to develop</i> the ability to</p> <ul style="list-style-type: none">• demonstrate knowledge and understanding of fundamental science facts and concepts concerning the world with minimal accuracy or consistency; and• make simple observations, attempt to form a hypothesis, identify a limited number and type of variables, minimally interpret data, and draw conclusions. <p>These skills should be demonstrated through the science disciplines—physical, life, earth/space, and the environmental sciences.</p>
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