Learning Goals and Scales
2014-2015

Rigorous Learning Goal/Scale

Course:	**Chemistry: Unit 4: Behavior of Gases**
Score 4 Additional Success with the complex content and concepts—inferences, novel applications	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.** Students make an inference beyond what was explicitly taught.
Score 3 Mastery of complex content and concepts of learning goal	**LEARNING GOAL: The student will be able to:Express and define the behavior of gases using Boyle's Law, Charles's Law, and the combined gas law. Relate the law of combining gas volumes to Avogadro's principle.!Skills:** • Related temperature, pressure, and volume of gases • Calculate the affect of volume with changes to pressure and temperature . • Relate the Kinetic Theory to Boyle's Law, Charles's Law, and gas volume. **Student makes no major errors or omissions regarding the score 3 content**
Score 2 Success with simpler content—vocabulary, foundational skills	**The student will recognize or recall specific vocabulary or basic content, such as:** • Describes the individual gas laws conceptually (direct, inverse) • Define terminology: volume, pressure, moles, absolute zero, ideal gas **Student makes no major errors or omissions regarding the score 2 content**
Score 1 Partial success with help	**With help, student achieves partial success at score 2 content and/or score 3 content**
Score 0 No success even with help	**Even with help, no success.**