

Krug Chemistry – Deep Run Daily Planning Guide

Date of Lesson: Q1 Day 8 – Unit 1 Test

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| Topic /Big Questions: (Question Stems & Question Creation Chart) <ul style="list-style-type: none"> • How can chemicals be used safely in the lab? • What techniques can be used to separate a mixture? • What is the proper way to record measurements? • Is the data accurate and/or precise? What is the percent error? • How can dimensional analysis be used to convert units of measurement? | |
| State SOL CH 1 a - j | Unpacking the Standards (Video explanation shown at 3:18) a) designated laboratory techniques; b) safe use of chemicals and equipment; c) proper response to emergency situations; d) manipulation of multiple variables, using repeated trials; e) accurate recording, organization, and analysis of data through repeated trials; f) mathematical and procedural error analysis; g) mathematical manipulations including SI units, scientific notation, linear equations, graphing, ratio and proportion, significant digits, and dimensional analysis; h) use of appropriate technology including computers, graphing calculators, and probeware, for gathering data, communicating results, and using simulations to model concepts; i) construction and defense of a scientific viewpoint; and j) the use of current applications to reinforce chemistry concepts. |
| Visible Learning (For the three items with asterisks*, think from a student perspective. Use simple language) | |
| *What am I learning today? Lab Safety, Lab Equipment, Lab Separation Techniques, Significant Figures, Scientific Notation, Recording Measurements, Interpreting Graphs, Accuracy, Precision, Percent Error, Dimensional Analysis | |
| *Why is it important? Chemists use these techniques to stay safe and to analyze information in the lab | |
| *How will I know I've learned it? Mastery level for this information is set at 80% or higher on Unit Test. | |
| Differentiation strategies: Unit 1 Test Review – students have two attempts through Schoology Morning Test Review - session before school starts Short Review - at the beginning of class | |
| Accommodations and/or modifications are being met for students with IEP's/504's. Unit Test available on Schoology or paper; small group testing; extended time | |

Daily Plan/Sequence of Instruction:

Teacher will answer last minute questions from the Unit 1 Test Review, which is due by the beginning of class.
Teacher will offer a morning session test review for 45 minutes before school. (Open to all students – CP and Honors).
Teacher will do a short review session at the beginning of each class (15 minutes). Students will use the rest of class time to complete the test.

Assessments (List all [formative](#)/[summative](#) assessments used to check for understanding during this lesson. Summative assessments may occur during a different class period.):

Unit 1 Test Review – (summative) due at the beginning of class

Unit 1 Test – (summative) due by the end of class

After assessing today's lesson are you and your students comfortable moving forward with your next objective?

Yes - students have scored 80% or higher on the Unit 1 Test

No, remediation required to proceed – students, who fail the unit test, may visit during One Lunch to do test corrections in order to earn a 65% passing score.

Teacher reflection: Small group testing must be requested at least two days in advance.