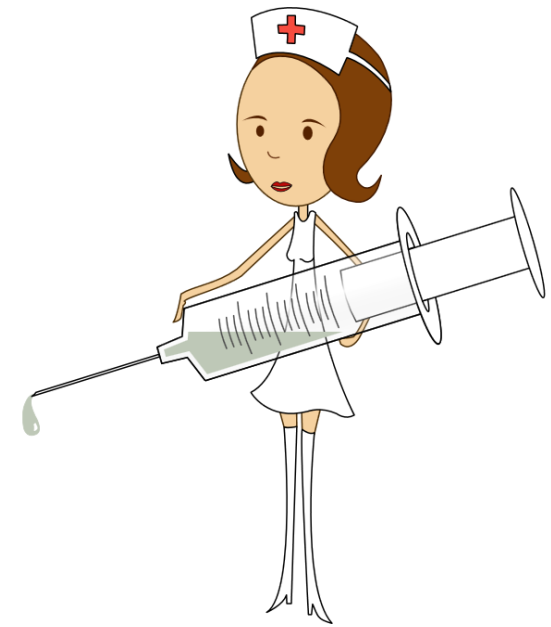


Welcome

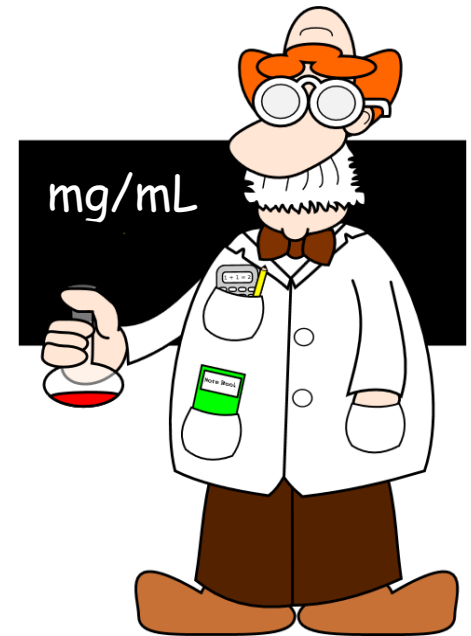
3 March 2017

Professional Learning Day

Patrick Young
pyoung@IMSA.edu



Weren't these students supposed to learn percentages, metric units, and unit conversions *last year*?



Common Core State Standards - Mathematics

CCSS.Math.Content.6.RP.A.3.c

Find a percent of a quantity as a rate per 100

CCSS.Math.Content.6.RP.A.3.d

Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.

Next Generation Science Standards

Science and Engineering Practices

Practice 5 - Using Mathematics and Computational Thinking

Appendix F

Grades 6 – 8

Apply mathematical concepts and/or processes (e.g., ratio, rate, percent, basic operations, simple algebra) to scientific and engineering questions and problems.

Appendix F

Grades 9 – 12

Apply ratios, rates, percentages, and unit conversions in the context of complicated measurement problems involving quantities with derived or compound units (such as mg/mL, kg/m³, acre-feet, etc.).

Gary M. Baker, Ph.D.

**Associate Professor of Chemistry & Biochemistry
Northern Illinois University**

David Anim-Addo

Chemistry instructor at Elgin Community College