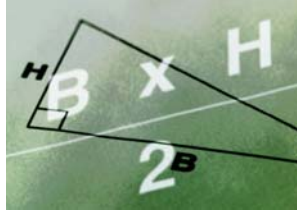


Mathematics and Inquiry

Professional Links for Plans, Ideas, Possibilities by Mary Ratzer



The Great Inquiry-Based Math Curriculum Mapping Project

<http://emergentmath.wordpress.com/the-great-inquiry-based-math-curriculum-mapping-project/>

Inquiry in Mathematics- Kindergarten

https://www.edonline.sk.ca/bbcswebdav/library/materials/english/docs/Kindergarten/inquiry_mathApril%202028.pdf

National Science Digital Library- Math Common Core

<http://nsdl.org/commcore/math>

Project Prime- Are My Students Actively Learning

<http://www.wsc.ma.edu/math/prime/actively.inquiring.html>

The Math Forum @Drexel- Math and the Real World

<http://mathforum.org/>

<http://mathforum.org/te/>

Life Equations- Dan Meyer – Real World math

<http://www.edweek.org/tsb/articles/2011/04/04/02meyer.h04.html>

Developing Mathematical Thinking with Effective Questioning- PBS

http://www.pbs.org/teachers/files/pdf/Microsoft%20Word_FINALMathTipDoc.pdf

Teaching College Math- Archive for Inquiry-Based Learning

<http://teachingcollegemath.com/category/inquiry-based-learning/>

Inquiry Strategies for Science and Math Learning

<http://leitzelcenter.unh.edu/geo-teach/pdf/ESST2008/NWREL-Inquiry%20strategies.pdf>

Introducing Math Teachers to Inquiry

<http://www.learningforward.org/midbook/inquiry.pdf>

Teaching and Learning High School Mathematics Through Inquiry

www.metiri.com/Solutions/HSES.doc

Edutopia – Start with a Pyramid – Real World Issues

<http://www.edutopia.org/start-pyramid>

Investigations in Number, Data, and Space – Curriculum by Grade Level

<http://investigations.terc.edu/curric-gl/>

Illinois Mathematics and Science Academy- IMSA Fusion Curriculum

<https://www3.imsa.edu/programs/fusion/curriculum>

IMSA Student Inquiry and Research

<https://www3.imsa.edu/learning/inquiry>

IMSA Classification of student questions-

http://www.imsa.edu/learning/inquiry/ConductingSIR/Proposal/classifications_of_questions.php

NSDL- Expert Voices – Middle Level Math and Science Inquiry

<http://expertvoices.nsdl.org/middle-school-math-science/>

Middle School Portal MSP2- Math Focal Points

http://wiki.nsdl.org/index.php/MSP:MiddleSchoolPortal/Math_Resource_Guides

Concept to Classroom – What do inquiry-based lessons look like?

http://www.thirteen.org/edonline/concept2class/inquiry/demo_sub1.html

Concept to Classroom Math Investigations Facilitation Plan

http://www.thirteen.org/edonline/concept2class/inquiry/lp_math1.html

Galileo- Math Fair Problems

<http://www.galileo.org/math/puzzles.html>

Edutopia- Nature Mapping

<http://www.edutopia.org/naturemapping>

NCTM- Illuminations

<http://illuminations.nctm.org>

Teach-Nology – Literature on Inquiry

<http://www.teach-nology.com/currenttrends/inquiry/>

Virginia Mathematics and Science Coalition-

<http://www.vamsc.org>

Imagine the Universe Lesson Plans- NASA-

http://imagine.gsfc.nasa.gov/docs/teachers/lesson_plans.html

Learn NC- Mathematics Lesson Plans

<http://www.learnnc.org/search?aphrase=mathematics&area=lesson+plans>

*The Gateway- Slope

<http://www.thegateway.org/search?gemrecordkeywords:list=Slope>

*Slope Slider

<http://www.shodor.org/interactivate/activities/SlopeSlider/>

Utah Education Network- Mathematics Plans –

<http://www.uen.org/Lessonplan/LPview.cgi?core=1208>

*Mathforum - Algebra Lesson Plans-

<http://mathforum.org/algebra/alg.units.html>

National Science Teacher Association- *Science and Children* (Math- October 2007)

<http://www.nsta.org/elementaryschool/connections.aspx>

Clarkson Project Based Curricula-

<http://www.clarkson.edu/highschool/k12/project/index.html>