

## UbD-Related Websites

Compiled by Jay McTighe

I have compiled the following collection of websites in support of curriculum and assessment design using the Understanding by Design (UbD)® framework. Please e-mail me (jaymctighe@verizon.net) if you discover outdated links as well as other useful sites that you find so that I can add to this list.

Key: \*\* Highly Recommended \* Recommended

### GENERAL WEBSITES

#### **STATES/PROVINCES**

The following websites provide examples of *Understanding by Design*® curriculum work in **States/Provinces**, **School Districts**, and **Schools**.

##### **\*\*\* Massachusetts**

Through the Race to the Top Initiative, teams of educators from across the state used the UbD Framework to develop more than 100 pre-k to grade 12 model curriculum units in English language arts and literacy, history/social science, mathematics, and science and technology/ engineering. Click the following link and complete a registration form to access these units. You will then receive an e-mail with the link for downloading them.

[http://www.doe.mass.edu/candi/model/download\\_form.aspx](http://www.doe.mass.edu/candi/model/download_form.aspx)

\* **New Jersey DOE** – Use this link to download a pdf file containing a collection of overarching (program level) understandings and essential questions.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf>

\* **Ohio DOE** provides model curricula tied to the Common Core Standards in E/LA, Mathematics, Science and Social Studies, along with strategies for working with diverse learners. The E/LA curriculum models include Enduring Understandings; the Social Studies units contain Essential Questions; and the Mathematics units include Common Misconceptions.

<http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1696&ContentID=83819&Content=121448>

**Pennsylvania** – The Pennsylvania Department of Education has established the Standards Aligned System (SAS) containing curriculum resources. Select a content area (e.g., SAS Applied to Mathematics), a grade range (e.g., 6 – 8) or a

Grade/Course (e.g., Pre-Algebra) to view Big Ideas (understandings) and Essential Questions.

<http://www.pdesas.org/module/sas/curriculumframework/>

**INTEL** – Unit plans in various subjects and grades developed by Intel Education contain Essential Questions.

[http://www.intel.com/corporate/education/emea/eng/za/elem\\_sec/tools\\_resources/plans/selectplans.htm](http://www.intel.com/corporate/education/emea/eng/za/elem_sec/tools_resources/plans/selectplans.htm)

\* **Harvard Teaching for Understanding** project has developed units in various subjects and grades.

<http://learnweb.harvard.edu/alps/tfu/pictures.cfm>

**Interdisciplinary Units** – Unit plans for various grades created around an Integrated, Interdisciplinary, Thematic Approach are based on the work of Dr. Roger Taylor. <http://tinyurl.com/7o5ksol>

### **Partnership for 21<sup>st</sup> Century Skills**

Scroll down the page and click on:

- 1) 21<sup>st</sup> Skills Maps that illustrate ways in which 21<sup>st</sup> Century Skills can be infused in English and Social Studies
- 2) Information, Communication and Technology (ITC) Literacy Maps that illustrate ways in which 21<sup>st</sup> Century Skills can be infused in English, Geography, Mathematics, Science, and Social Studies. (downloadable pdf files)

[http://www.p21.org/index.php?option=com\\_content&task=view&id=82&Itemid=185#maps](http://www.p21.org/index.php?option=com_content&task=view&id=82&Itemid=185#maps)

**Notosh** – Ideas for guiding students to create their own essential questions as part of “design thinking”

<http://notosh.com/lab/googleable-vs-non-googleable-questions/>

## **SCHOOL DISTRICTS & REGIONAL SERVICE AGENCIES**

\* The New York City BOE Common Core Library includes a searchable database of assessment tasks aligned to the Common Core Standards for pre-K – 12 in E/LA, Mathematics, Science and Social Studies.

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

\* Montgomery County, MD – Using UbD to frame district curriculum  
Click on Subject Areas and Grade Levels to access “curriculum blueprints” (aka curriculum maps) in Mathematics, Reading/Language Arts, Science and Social Studies. Most blueprints contain Understandings and Essential Questions.

<http://www.montgomeryschoolsmd.org/curriculum.aspx>

Oakland ISD, Michigan – A collection of curriculum units linked to the Common Core Standards include UbD elements (EQs, performance tasks).

<http://oaklandk12-public.rubiconatlas.org/Atlas/Browse/View/Default>

Nanuet Union School District, NY – Using UbD to map the district curriculum using Atlas Rubicon mapping software. Click on “Browse” to search UbD units.

<http://nufsd.rubiconatlas.org/c/etc/options.php?UserID=0>

North East School Division, Melfort, Saskatchewan, CN

Unpacked curriculum outcomes in terms of Big Ideas/Questions, including some Understandings< Essential Questions, and suggested Assessments.

<http://curriculum.nesd.ca/?q=node/22>

Weathersfield, CT – Using UbD to frame district curriculum. From the district Home Page, click on curriculum and then click on curriculum documents by subject areas.

[http://www.wethersfield.k12.ct.us/Staff\\_info/curriculum/curriculum\\_instruc.htm](http://www.wethersfield.k12.ct.us/Staff_info/curriculum/curriculum_instruc.htm)

Lincoln, MA – Using UbD to frame district curriculum. Click on Subject Areas to view Understandings.

<http://www.lincnet.org/20491074114621843/site/default.asp>

Fort Thomas, KY – District curriculum maps include Essential Questions. Click on Subject Areas under District Curriculum Guides to view the maps.

[http://www2.fortthomas.kyschools.us/Curriculum/SP\\_Curriculum/Useful\\_Links\\_Teachers.htm](http://www2.fortthomas.kyschools.us/Curriculum/SP_Curriculum/Useful_Links_Teachers.htm)

A collection of Big Ideas in various subject areas from Saskatoon, CN,

<http://www.saskyouthheritagefair.com/bigideasmainindex.htm>

This website poses essential Questions to spark pro-con debates by essay writers.

<http://www.templeton.org/signature-programs/big-questions-essay-series>

**STAGE 1 – UNDERSTANDINGS and ESSENTIAL QUESTIONS  
organized by Subject Areas**

**\*\*\*\*\* BUSINESS, FINANCE AND MARKETING \*\*\*\*\***

A set of overarching Understandings and Essential Questions developed through the Delaware DOE.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/files/bfm/C-Enduring%20Understandings,%20Essential%20Questions.pdf](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/files/bfm/C-Enduring%20Understandings,%20Essential%20Questions.pdf)

**\*\*\*\*\* CAREER EDUCATION \*\*\*\*\*  
CONSUMER, FAMILY, AND LIFE SKILLS**

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 24 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=24>

A collection of overarching (program level) big ideas, understandings and essential questions developed by the Delaware DOE. Click this link to download a pdf file.

[http://www.doe.k12.de.us/programs/ci/content\\_areas/files/fcs/C-Big%20Idea,%20Enduring%20Understandings,%20and%20Essential%20Questions.pdf](http://www.doe.k12.de.us/programs/ci/content_areas/files/fcs/C-Big%20Idea,%20Enduring%20Understandings,%20and%20Essential%20Questions.pdf)

**\*\*\*\*\* Counseling \*\*\*\*\***

\* Great Falls Public Schools has used the UbD framework to design its K-12 Counseling Curriculum.

[http://gfps.k12.mt.us/Departments/CurriculumInstruction/HighSchool/9\\_12%20Counseling%20Curriculum%20.htm](http://gfps.k12.mt.us/Departments/CurriculumInstruction/HighSchool/9_12%20Counseling%20Curriculum%20.htm)

School Counselor Connection – Counseling “units” in UbD format (e.g., Transition into High School). A free registration is required to access this website.

<http://www.schoolcounselorconnection.com/search/node/UbD>

\*\*\*\*\* **HEALTH and PHYSICAL EDUCATION** \*\*\*\*\*

\* Model units in Health based on the UbD Template developed in the state of Delaware.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/files/he/ALERTICore\\_1-09.pdf](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/files/he/ALERTICore_1-09.pdf)

Select unit topics and levels to download WORD or PDF files.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/health.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/health.shtml)

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 3 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=3>

\*\*\*\*\* **ENGLISH/LANGUAGE ARTS** \*\*\*\*\*

Essential Questions in LITERATURE

\*\* Essential Questions in Literature developed in Greece Central Schools, NY. Some of the designated literary themes are intended to connect with companion Social Studies courses.

There are many other excellent resources on this site, including *Tools for Reading, Writing & Thinking* and *ELA Best Practices* and Rubrics

<http://www.greece.k12.ny.us/academics.cfm?subpage=923>

\* Literary Essential Questions for High School courses developed in Scarsdale, NY Public Schools.

<http://www.scarsdaleschools.org/Page/570>

Understandings and Essential Questions for English/Language Arts PROCESSES

\*\* SpringBoard® from The College Board presents curriculum maps with Essential Questions for English/Language Arts for Middle and High School Levels (Grades 6-12). The sets of EQs include reading and writing processes as well as some literary themes. This website includes two Writing Workshop Samples for Grades 7 and 9. Click on links to view.

• [http://media.collegeboard.com/digitalServices/pdf/springboard/SB\\_ELA\\_Middle\\_School\\_Levels\\_At\\_A\\_Glance\\_2010\\_10-7-2010.pdf](http://media.collegeboard.com/digitalServices/pdf/springboard/SB_ELA_Middle_School_Levels_At_A_Glance_2010_10-7-2010.pdf)

• [http://media.collegeboard.com/digitalServices/pdf/springboard/SB\\_ELA\\_High\\_School\\_Levels\\_At\\_A\\_Glance\\_2010\\_10-7-2010.pdf](http://media.collegeboard.com/digitalServices/pdf/springboard/SB_ELA_High_School_Levels_At_A_Glance_2010_10-7-2010.pdf)

\* AERO Standards for International Schools include a set of Understandings and Essential Questions – Reading (pp. 20, 21, 60), Writing (pp. 71-72), Listening and Speaking (pp. 80-81), and Language Foundations (pp. 85-86).  
[http://www.projectaero.org/aero\\_standards/ELA/AERO-ELA-Framework.pdf](http://www.projectaero.org/aero_standards/ELA/AERO-ELA-Framework.pdf)

\* The New York City BOE Common Core Library includes a searchable database of units, assessment tasks and samples of student work aligned to the Common Core Standards for pre-K – 12 in E/LA and other subjects.  
<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 7 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=7>

<http://www.easthampton.k12.ma.us/adminoffice.cfm?subpage=825206>

<http://www.wallingford.k12.ct.us/page.cfm?p=12567>

Click on link “K-12 Enduring Understandings and Essential Questions” to access a pdf file of program level EQs.

<http://www2.westerville.k12.oh.us/Curriculum/Courses%20of%20Study/ELA/Grades%206-7-8%20Enduring%20Understandings%2005-2009.pdf>

[http://schools.bibb.k12.ga.us/cms/lib01/GA01000598/Centricity/Domain/92/5th\\_Grade\\_ELA\\_Curriculum\\_Map.pdf](http://schools.bibb.k12.ga.us/cms/lib01/GA01000598/Centricity/Domain/92/5th_Grade_ELA_Curriculum_Map.pdf)

EQs for 5<sup>th</sup> grade

<http://homeconnection.ohsd.net/documents/11thGradeEnglishEssentialQuestions.pdf>

EQs for 11<sup>th</sup> grade English

Overarching (program-level) Understandings and Essential Questions for English-Language Arts. Easthampton, MA Public Schools –

<http://www.easthampton.k12.ma.us/adminoffice.cfm?subpage=825206>

Wallingford, CT Public Schools – Click on link “K-12 Enduring Understandings and Essential Questions” to access a pdf file.

<http://www.wallingford.k12.ct.us/page.cfm?p=12567>

Westerville, OH Public Schools –

<http://www2.westerville.k12.oh.us/Curriculum/Courses%20of%20Study/ELA/Grades%206-7-8%20Enduring%20Understandings%2005-2009.pdf>

Ohio DOE provides model curricula tied to the Common Core Standards in E/LA. The E/LA curriculum models include Enduring Understandings.

<http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1696&ContentID=83819&Content=121448>

\* Fort Thomas, KY school district has developed coordinated curriculum maps for writing at the elementary, middle and high school levels.

[http://www2.fortthomas.kyschools.us/SP\\_Curriculum/Writing/Writing\\_Continuum.htm](http://www2.fortthomas.kyschools.us/SP_Curriculum/Writing/Writing_Continuum.htm)

\*\*\*\*\* **Library/Media** \*\*\*\*\*

Collections of resources including lesson plans (k-12) on various media center topics (e.g., Research skills; lessons linked to subject areas).

<http://aasl.jesandco.org/facet/results>

<http://www.sldirectory.com/libsf/resf/libplans.html>

<http://www.sldirectory.com/index.html#top>

PA DOE Model Curriculum for Library/Media Programs based on UbD

<http://www.pdesas.org/module/sas/curriculumframework/librarymodelcurriculum.aspx>

<http://blogs.slj.com/neverendingsearch/2012/12/31/model-library-curriculum-shared-on-our-dept-of-ed-portal/>

Useful article presents a Matrix for school librarians to use in aligning Common Core Standards and informational literacy skills in inquiry, reading, and research.

<http://www.schoollibrarymonthly.com/articles/pdf/Moreillon2013-v29n4p29.pdf>

\*\*\*\*\* **MATHEMATICS** \*\*\*\*\*

\* A sample unit in Mathematics (“Geometric Transformations”) developed in the state of Delaware. Click on “Model Units” to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/math.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/math.shtml)

\*\* An Algebra I course developed in Alexandria City, VA Public Schools using UbD. Under “Curriculum Overviews” click on “Sample Algebra Course” to download a pdf file.

<http://www.acps.k12.va.us/curriculum/design/>

\*\* SpringBoard® Mathematics with Meaning™ from The College Board presents curriculum maps with Essential Questions for mathematics Middle and High School Levels (Grades 6-12), including pre-Algebra, Algebra 1, Geometry, Algebra 2, and pre-Calculus. ). Click on links to view.

<http://springboardprogram.collegeboard.org/components>

\* The New York City BOE Common Core Library includes a searchable database of units, assessment tasks and samples of student work aligned to the Common Core Standards for pre-K – 12 in mathematics and other subjects.

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

\* Georgia Department of Education has developed mathematics units for K-12 aligned to the CCSS. Click on the grade band links below; then, you can select specific grades to view the units.

<https://www.georgiastandards.org/Common-Core/Pages/Math-K-5.aspx>

<https://www.georgiastandards.org/Common-Core/Pages/Math-6-8.aspx>

<https://www.georgiastandards.org/Common-Core/Pages/Math-6-8.aspx>

AERO Standards for International Schools include a set of Understandings and Essential Questions in Mathematics. See pp. 8, 17, 33, 49, and 59.

[http://www.projectaero.org/aero\\_standards/mathematics-framework/AERO-MathematicsCurriculumFramework.pdf](http://www.projectaero.org/aero_standards/mathematics-framework/AERO-MathematicsCurriculumFramework.pdf)

A collection of project-based units in mathematics developed for gifted Students – from the University of Connecticut.

<http://www.gifted.uconn.edu/projectm3/index.html>

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 10 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=10>

\* A collection of overarching (program level) essential questions developed by the Delaware DOE. Click on “Clarification of the Math Standards” to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/math.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/math.shtml)



\* District curriculum in Montgomery County, MD identifies Understandings and Essential Questions for the mathematics curriculum. Click on Elementary, Middle, High School; then, click on grades/courses; then on Content Maps.  
<http://www.montgomeryschoolsmd.org/curriculum/math/>

A set of overarching Understandings and Essential Questions  
s in mathematics – Wallingford PS  
[http://www.wallingford.k12.ct.us/uploaded/Curriculum/MATH\\_K-12/Math\\_K\\_12\\_Enduring\\_Understandings\\_and\\_Essential\\_Questions.pdf](http://www.wallingford.k12.ct.us/uploaded/Curriculum/MATH_K-12/Math_K_12_Enduring_Understandings_and_Essential_Questions.pdf)

\* **Ohio DOE** provides model curriculum units tied to the Common Core Mathematics Standards. The Mathematics units include Common student misconceptions.  
<http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1696&ContentID=83819&Content=121448>

\* Science Atlas of Scientific Literacy (AAAS Project 2061)  
While the focus of this website is primarily science, it includes a basic set of “big ideas” in mathematics, organized as K-12 concept maps. Click on VIEW SAMPLE MAPS:  
Atlas 1 – Scroll to PROPORTIONAL REASONING Ratios and Proportionality and click on the link to view.  
Atlas 2 – THE NATURE OF MATHEMATICS and click on the link to view.  
<http://www.project2061.org/publications/atlas/default.htm>

\*\*\*\*\* **SCIENCE** \*\*\*\*\*

\*\* Science Atlas of Scientific Literacy (AAAS Project 2061)  
Presents "big ideas" in science according to conceptual strands (e.g., force, motion). Includes a basic set of “big ideas” in mathematics.  
The science ideas are organized as K-12 concept maps to illustrate the developmental progression of understanding of important ideas in science. The maps also show links to related concepts. Click on VIEW SAMPLE MAPS – Atlas 1 and 2 to view.  
<http://www.project2061.org/publications/atlas/default.htm>

\*\* Click on the following link and select a topic to view “big” ideas, potential misconceptions about them and related assessment items and resources.  
<http://assessment.aas.org/>

\* A K-12 curriculum framework for Science framed under a set of Enduring Understandings and Essential Questions developed by the state of Connecticut. Click on 2004 Science Matrix to download a WORD file.  
<http://www.sde.ct.gov/sde/cwp/view.asp?a=2618&q=320890>

**\*\* AP Biology Curriculum Framework**

Provides the basis of the revised AP Biology course. The framework is organized around four Big Ideas, Enduring Understandings and Essential Knowledge objectives. These are summarized in the Appendix, pp 89-91.

[http://media.collegeboard.com/digitalServices/pdf/ap/10b\\_2727\\_AP\\_Biology\\_CF\\_WEB\\_110128.pdf](http://media.collegeboard.com/digitalServices/pdf/ap/10b_2727_AP_Biology_CF_WEB_110128.pdf)

An overview of the Course revisions may be found at the following website.

<http://advancesinap.collegeboard.org/science/biology>

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 13 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=13>

\* A collection of overarching (program level) big ideas developed by the Delaware DOE. Click on “Clarification Documents” to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/science.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/science.shtml)

\* The New York City BOE Common Core Library includes a searchable database of units, assessment tasks and samples of student work aligned to the Common Core Standards for pre-K – 12 in science and other subjects.

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

A collection of Understandings for Earth Science developed through the Earth Science by Design project.

[http://www.esbd.org/resources/big\\_ideas.html](http://www.esbd.org/resources/big_ideas.html)

Science Inquiry Units on Ecosystems, Flight and Flying, The Land from Saskatoon, CN

<http://www.saskyouthheritagefair.com/inquiry.htm>

\*\*\*\*\* **SOCIAL STUDIES** \*\*\*\*\*

\* Model units in Social Studies based on the UbD Template developed in the state of Delaware. Click on Grade Clusters to view the units.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/social\\_studies/standards/pilot.shtm](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/social_studies/standards/pilot.shtm)

**\*\* AP World History Curriculum Framework**

Provides the basis of the revised course. The framework is organized around key concepts and core themes, along with four Historical Thinking Skills. These are summarized in the Appendix, pp 89-91.

[http://apcentral.collegeboard.com/apc/public/repository/AP\\_WorldHistoryCED\\_Effective\\_Fall\\_2011.pdf](http://apcentral.collegeboard.com/apc/public/repository/AP_WorldHistoryCED_Effective_Fall_2011.pdf)

\*\* The Stanford History Education Group offers a set of curriculum units and related projects to engage students in historical inquiry. Lessons revolve around a central historical question and features sets of primary documents to involve students in “reading like a historian.” <http://sheg.stanford.edu/?q=node/45>

\* The New York City BOE Common Core Library includes a searchable database of units, assessment tasks and samples of student work aligned to the Common Core Standards for pre-K – 12 in social studies and other subjects.

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

\* A collection of overarching (program level) big ideas, understandings and essential questions organized by conceptual strands developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 17 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=17>

\* A collection of overarching understandings and essential questions organized by conceptual strands – Government, Economics, Geography, Culture and Sociology, History, Technology and Research Skills.

[http://www.wallingford.k12.ct.us/uploaded/Curriculum/SOCIAL\\_STUDIES\\_K-12/SS\\_EUs\\_Sept\\_09.pdf](http://www.wallingford.k12.ct.us/uploaded/Curriculum/SOCIAL_STUDIES_K-12/SS_EUs_Sept_09.pdf)

\* A collection of overarching (program level) Enduring Understandings and Essential Questions developed by the Delaware DOE. Click on Clarification Documents by Strad and Grade Levels to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/socialstudies.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/socialstudies.shtml)

\* Delaware DOE – Click on the various subject areas to see Essential Questions and model units based on UbD – Grades 4-5.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/social\\_studies/model\\_unit\\_4-5.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/social_studies/model_unit_4-5.shtml)

\* Essential Questions in Civics and Government from the Center for Civic Education

<http://www.civiced.org/912toc.htm>

K-12 map of Essential Questions in Civics and Government from the Center for Civic Education

[http://www.civiced.org/stds\\_orgquestions\\_01.html](http://www.civiced.org/stds_orgquestions_01.html)

\* The Social Studies curriculum in Montgomery County, MD has been built using UbD. Click on Grade/Course to view curriculum units containing Understandings and Essential Questions.

<http://www.montgomeryschoolsmd.org/curriculum/socialstd/curriculum.html>

\* US History units developed containing Understandings and Essential Questions developed in Montgomery County, MD.

<http://www.montgomeryschoolsmd.org/curriculum/socialstd/curriculum/ushist.html>

\* Government units containing Understandings and Essential Questions developed in Montgomery County, MD.

<http://www.montgomeryschoolsmd.org/curriculum/socialstd/curriculum/nsig.html>

\* Ohio DOE provides model curriculum units in Social Studies. The Social Studies units contain Essential Questions.

<http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1696&ContentID=83819&Content=121448>

Rhode Island DOE has developed Grade Span Specific Documents that include essential questions for suggested topics and resources for lessons.

Also, a sample UbD unit on settlers is available by clicking on “DOC” at the bottom of the page.

<http://www.ride.ri.gov/InstructionAssessment/CivicsSocialStudies.aspx>

\* World History – Overarching Essential Questions based around seven key themes for World History

<http://worldhistoryforall.sdsu.edu/shared/themes.php>

Social studies curricula developed using UbD in Arlington County Schools, VA. Click on K-12 Curriculum and then grade levels to view Understandings, Essential Questions and unit plans.

<http://www2.apsva.us/1540108217813880/blank/browse.asp?a=383&BMDRN=2000&BCOB=0&c=54367&1540108217813880Nav=|400|&NodeID=400>

Curriculum maps (known as “pacing guides”) contain Understandings and Essential Questions developed in Alief ISD, TX. Click on grade levels/course titles to view.

[http://www.aliefisd.net/site\\_res\\_view\\_template.aspx?id=22e94fd0-8d0f-4764-8982-2934e6f3e33a&userGroupId=86619032-3924-434f-ae27-2da1d5c603a1&userGroupType=G](http://www.aliefisd.net/site_res_view_template.aspx?id=22e94fd0-8d0f-4764-8982-2934e6f3e33a&userGroupId=86619032-3924-434f-ae27-2da1d5c603a1&userGroupType=G)

\*\* Essential Questions to link History and Literature at the secondary level, developed in Greece Schools, NY. Click on Themes and Essential Questions to view them.

<http://www.greece.k12.ny.us/academics.cfm?subpage=923>

\*\* A US History course syllabus including essential questions and ideas for each unit in the course, developed through the Social Studies Help Center.

[http://www.socialstudieshelp.com/Amer\\_History\\_Syallbus.htm](http://www.socialstudieshelp.com/Amer_History_Syallbus.htm)

\* *Becoming Historians* includes Primary Source Documents, sample UbD units and associated instructional practices for engaging students in inquiry and "doing history" in the elementary grades.

[www.becominghistorians.org](http://www.becominghistorians.org)

A wonderful site describing a U.S. History Course for “uncovering” (rather than simply covering) the content.

<http://www.journalofamericanhistory.org/textbooks/2006/calder/index.html>

\*\*\*\*\* **VISUAL and PERFORMING ARTS** \*\*\*\*\*

\* A collection of overarching (program level) big ideas, understandings and essential questions organized by conceptual strands developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 1 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=1>

A collection of arts units and related resources (e.g., rubrics, self-assessments) are accessible from this site.

<http://www.nj.gov/education/cccs/21cu/1/>

\* A collection of overarching (program level) big ideas, understandings and essential questions developed by the Delaware DOE. Click on the “Clarification Documents” for Dance, Music, Theater, and Visual Art to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/vparts.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/vparts.shtml)

\*\*\*\*\* **TECHNOLOGY** \*\*\*\*\*

A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 22 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=22>

A collection of overarching (program level) big ideas, understandings and essential questions for Technology Education developed by the Delaware DOE. Click this link to download a pdf file.

[http://www.doe.k12.de.us/programs/ci/content\\_areas/files/tech/C-Big%20Idea,%20Overarching%20Enduring%20Understandings%20and%20Essential%20Questions.pdf](http://www.doe.k12.de.us/programs/ci/content_areas/files/tech/C-Big%20Idea,%20Overarching%20Enduring%20Understandings%20and%20Essential%20Questions.pdf)

\*\* Atlas of Scientific Literacy (AAAS Project 2061)

While the focus of this website is primarily science, it includes a basic set of “big ideas” in technology, organized as K-12 concept maps. Click on The Nature of Technology link to view.

<http://www.project2061.org/publications/atlas/sample/toc2.htm>

\*\*\*\*\* **THEATER/DRAMA** \*\*\*\*\*

\*\* A database of units plans and individual lessons. A free registration is required to access the full set of resources on this website.

<http://tedb.byu.edu/>

\*\*\*\*\* **WORLD/FOREIGN LANGUAGES** \*\*\*\*\*

A collection of overarching (program level) big ideas, understandings and essential questions developed by the New Jersey DOE. Click this link to download a pdf file and scroll down to page 21 to view.

<http://www.nj.gov/education/aps/njscp/Phase1allAreas.pdf#page=21>

A collection of overarching (program level) Understandings and Essential Questions developed by the Delaware DOE. Scroll down to pp. 7-10 of the Clarification Document to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/files/wl/DE%20WL%20clarification.pdf](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/files/wl/DE%20WL%20clarification.pdf)

\* UbD units in World/Foreign Language developed in New Jersey

<http://www.state.nj.us/education/aps/cccs/wl/frameworks/wlo/>

\* A collection of UbD Units, overarching Essential Questions French, Spanish, Russian, Chinese, Latin and Greek, developed in Glastonbury, MA.

<https://www.glastonburyus.org/curriculum/foreignlanguage/foreignlanguage>

[ecurriculum/essentialquestions/Pages/default.aspx](http://www.foreignlanguage.org/curriculum/essentialquestions/Pages/default.aspx)

<http://www.foreignlanguage.org/curriculum/index.htm#units>

A sample unit for World Languages developed in the state of Delaware. Click on “Model Units” to view.

[http://www.doe.k12.de.us/infosuites/staff/ci/content\\_areas/world\\_language\\_s.shtml](http://www.doe.k12.de.us/infosuites/staff/ci/content_areas/world_language_s.shtml)

## STAGE 2 – PERFORMANCE ASSESSMENTS and RUBRICS

Here is a collection of Stage 2 websites containing resources for performance assessments and rubrics. The list begins with general sites, followed by links in various subject areas.

**\*\* Literacy Design Collaborative (LDC)** – Funded by the Gates Foundation, the LDC has developed a set of task templates and instructional modules linked to the Common Core E/LA Standards. The templates support the integration of the E/LA Standards with content from Science, Social Studies and Technical subjects.

Click on these links to learn more and view sample templates.

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/resources/>

<http://www.gatesfoundation.org/college-ready-education/Documents/supporting-instruction-cards-literacy.pdf>

**\*\* Defined STEM** has developed 100+ performance tasks/projects and associated rubrics based on various career areas. The tasks use the GRASPS format from UbD to establish an authentic scenario. A unique feature is the inclusion of a motivating video that shows “real world” applications of knowledge to set up the task.

In addition to the basic tasks, Defined STEM offers a set of electronic design tools allow teachers to customize the tasks and rubrics. While the title suggests that the tasks fall into the STEM arena, there are tasks in English/Language Arts and History/Social Studies as well.

To view, go to: <http://www.definedstem.com>

Use Access Code # **STEMACCESS**

You will be prompted to create your own user name and password.

**\*\*** A searchable database of assessment tasks in various subjects and grade levels developed in the Connecticut DOE. Click on STUDENTS ASSESSMENT TASKS, then enter your search criteria.

<http://www.ctcurriculum.org/>

**\*\*** A collection of quality performance tasks developed by the Alberta Assessment Consortium, CN.

<http://www.aac.ab.ca/PerformanceAssessments.html>

**\*\*** Challenge Based Learning Tasks

Apple Education has developed a collection of multidisciplinary tasks to use engaging students in applying technology to solve real-world problems. The tasks are collaborative and hands-on around authentic issues and problems.

<http://www.challengebasedlearning.org/challenges>

<http://www.nmc.org/projects/challenge-based-learning>

\* Smarter Balanced Assessment Consortium (SBAC) has released sample performance tasks. To view these, click “Sign in” (no need to enter anything), Select “grade level”, then “Yes,” then “Start E/LA G\_\_ Performance Task,” then “Select,” then “Yes, start my test,” finally click on Green Arrow (“next page”)

<https://sat1.sbacpt.tds.airast.org/Student/Pages/TestShellModern.aspx>

\* The New York City BOE Common Core Library includes a searchable database of assessment tasks aligned to the Common Core Standards for pre-K – 12 in E/LA, Mathematics, Science and Social Studies.

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Exemplars” to view.

<http://www.edu.gov.on.ca/eng/curriculum/elementary/subjects.html>

<http://www.edu.gov.on.ca/eng/curriculum/secondary/subjects.html>

\* Examples of authentic projects with rubrics and student samples developed at High Tech High School in San Diego, CA

<http://www.hightechhigh.org/schools/HTH/>

<http://www.hightechhigh.org/projects/>

\* A collection of authentic project-based assessments for High School students in mathematics, science, social studies, and E/LA from the MD DOE.

<http://hsaexam.org/resources/pubs.html>

**\*\*** Examples of quality performance assessments and associated rubrics developed through the Coalition of Essential Schools. You must register (free) to access the resources.

[http://www.ceschanglab.org/cs/clpub/view/cl\\_cat/46](http://www.ceschanglab.org/cs/clpub/view/cl_cat/46)



A searchable database of benchmarks, assessment ideas and rubrics in various subjects and grade levels developed in the State of Hawaii.

<http://standardstoolkit.k12.hi.us/index.html>

\* A collection of quality rubrics developed through the New York State Performance Assessment Consortium.

<http://performanceassessment.org/performance/prubrics.html>

\* A collection of solid rubrics in various subject areas developed by Quakertown, PA Schools

<http://www.qcsd.org/21307386221332/site/default.asp>

A wide variety collection of rubrics in various courses and subject areas compiled by Winona State University

<http://course1.winona.edu/shatfield/air/rubrics.htm>

iRubric – An on-line rubric generator with hundreds of developed rubrics available in various subject areas. Requires a free registration.

<http://www.rcampus.com/indexrubric.cfm>

Rubistar – An on-line rubric generator with many sample rubrics available in various subject areas.

<http://rubistar.4teachers.org/index.php>

Teachnology – An on-line rubric generator with many sample rubrics available in various subject areas.

[http://www.teach-nology.com/web\\_tools/rubrics/](http://www.teach-nology.com/web_tools/rubrics/)

An on-line rubric creator from ALCA Curriculum.

<http://www.alcaweb.org/arch.php/room/2390/area/12195>

Links to numerous websites containing rubrics, prepared by Kathy Schrock and Discovery Learning. Note: Not all web links are active.

<http://school.discoveryeducation.com/schrockguide/assess.html>

\* Rubrics for 21<sup>st</sup> century skills (e.g., critical thinking, communication, collaboration) from The Partnership for 21<sup>st</sup> Century Skills.

[http://p21.org/storage/documents/p21-stateimp\\_assessment.pdf](http://p21.org/storage/documents/p21-stateimp_assessment.pdf)

\* A set of generic rubrics based on Dimensions of Learning developed by McRel. This set includes rubrics for 21<sup>st</sup> Century Skills such as “Complex Thinking”, “Information Processing”, “Communication”, “Collaboration” and “Habits of Mind.”

<http://nanunet.lhric.org/Rubrics/McRel/rubrics.htm#Rubrics%20for%20Information%20Processing%20Standards>

**STAGE 2 – Performance Assessment Tasks and Rubrics  
Organized by Subject Areas**

**\*\*\*\*\* BUSINESS, FINANCE AND MARKETING \*\*\*\*\***

**\*\*** A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Exemplars” to view.  
<http://www.edu.gov.on.ca/eng/curriculum/secondary/business.html>

**\*\*\*\*\* ENGLISH/LANGUAGE ARTS \*\*\*\*\***

**\*\*** Literacy Design Collaborative (LDC) – Funded by the Gates Foundation, the LDC has developed a set of task templates and instructional modules linked to the Common Core E/LA Standards. The templates support the integration of the E/LA Standards with content from Science, Social Studies and Technical subjects.

Click on these links to learn more and view sample templates.

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/resources/>

<http://www.gatesfoundation.org/college-ready-education/Documents/supporting-instruction-cards-literacy.pdf>

**\*\*** Common Core State Standards in English Language Arts **Appendix B** provides a set of text samples to exemplify the level of complexity and quality that the Standards require of students in a given grade band. Sample performance tasks are included here.

**Appendix C** offers many performance task ideas as well as student writing samples to illustrate what it takes to meet the standards.

<http://www.corestandards.org/the-standards>

**\*** Quality Performance Assessment has created four Common Core-aligned performance assessments tasks for English Language Arts.

<http://www.ccebos.org/qpa/publications-products/common-core/>

**\*** A collection of E/LA assessment task ideas developed in the State of Illinois.

<http://www.isbe.state.il.us/ils/ela/capd.htm>

\* Albuquerque, NM Public Schools have developed sets of E/LA tasks and writing rubrics (at the secondary level) aligned to the Common Core Standards. Choose “E/LA” and grade level to view.

[http://rda.aps.edu/RDA/Performance\\_Task\\_Bank/index.cfm](http://rda.aps.edu/RDA/Performance_Task_Bank/index.cfm)

\* Pennsylvania’s Student Aligned System (SAS) offers sample tasks for connecting the E/LA Standards (informational and explanatory writing; argumentative/persuasive writing) to Social Studies and Science using the Literacy Design Collaborative task frames.

<http://www.pdesas.org/module/content/search/#search>

\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Exemplars” to view.

<http://www.edu.gov.on.ca/eng/curriculum/secondary/english.html>

- The New England Common Assessment Program (NECAP) releases some assessment items from each of the NECAP assessments are released to the public, along with support materials and related examples of student work. A set of writing prompts can be found at:  
<http://www.ride.ri.gov/InstructionAssessment/Assessment/NECAPAssessment/NECAPReleasedItems.aspx>

\*\* Analytic rubrics for CCSS E/LA in reading and writing from PARCC.

- Grade 3 – <http://www.parcconline.org/samples/english-language-artsliteracy/grade-3-generic-rubrics-draft>
- Grade 4/5 – <http://www.parcconline.org/samples/english-language-artsliteracy/grades-4-5-generic-rubrics-draft>
- Grade 6/11 – <http://www.parcconline.org/samples/english-language-artsliteracy/grades-6-11-generic-rubrics-draft>

\*\* Analytic rubrics for CCSS E/LA in reading and writing from the Smarter Balanced Assessment Consortium

<http://www.smarterbalanced.org/wordpress/wp-content/uploads/2012/12/Performance-Tasks-Writing-Rubrics.pdf>

\*\* A collection of quality rubrics for Writing, Speaking, Debate, and Socratic Seminar from Greece Central Schools, NY.

<http://www.greece.k12.ny.us/academics.cfm?subpage=1369>

\* A collection of writing rubrics with illustrative writing samples for K-8 from Ontario, CN.

<http://www.edu.gov.on.ca/eng/curriculum/elementary/writing18ex.pdf>

\* Fort Thomas, KY school district has developed coordinated curriculum maps for writing at the elementary, middle and high school levels.

[http://www2.fortthomas.kyschools.us/SP\\_Curriculum/Writing/Writing\\_Continuum.htm](http://www2.fortthomas.kyschools.us/SP_Curriculum/Writing/Writing_Continuum.htm)

\* An analytic trait rubric to assess students in Responding to Text (Grades K-4) available from Exemplars.com. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

\* An analytic trait rubric to assess students in Narrative Writing available from Exemplars.com. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

A holistic Reading Rubric available from Exemplars.com. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

A holistic Writing/Communications Rubric available from Exemplars.com. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

A holistic Research Rubric available from Exemplars.com. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

EssayTagger offers a Common Core Standards rubric creation tool. Free.

<http://www.essaytagger.com/commoncore>

\* A set of developmental/proficiency continuums for Reading, Writing, Listening and Speaking developed by Bonnie Campbell-Hill.

<http://www.bonniecampbellhill.com/support.php>

\*\*\*\*\* **ENGLISH LANGUAGE LEARNERS** \*\*\*\*\*

\*\* Rubrics for English Language Learners (ELL)

Click on Links on the right side of screen to download ELL Standards, Framework, and Classroom Rubrics.

<http://www.wida.us/standards/elp.aspx>

\*\*\*\*\* **HEALTH and PHYSICAL EDUCATION** \*\*\*\*\*

\* A collection of assessment tasks developed in the State of Washington.  
<http://www.k12.wa.us/HealthFitness/Assessments.aspx>

\* Check out the helpful Teacher Worksheets for these tasks on the right side of the screen  
<http://www.k12.wa.us/assessment/SocialStudiesArtsHealthFitness.aspx>

A collection of H/PE task ideas developed in the State of Illinois.  
<http://www.isbe.state.il.us/ils/pdh/capd.htm>

\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Resource Documents,” then “Exemplars” to view.  
<http://www.edu.gov.on.ca/eng/curriculum/secondary/health.html>

\* A collection of quality rubrics for Health Education developed through the Rocky Mountain Center for Health Education. Scroll down to Strategy #1 Examples, then click to view the elementary, middle and high school versions of the scoring rubrics.  
[http://www.rmc.org/allguide/assessment/all\\_guide.php?feed=product&level=2](http://www.rmc.org/allguide/assessment/all_guide.php?feed=product&level=2)

\*\*\*\*\* **MATHEMATICS** \*\*\*\*\*

\*\* A collection of “authentic” performance assessment tasks in mathematics, are available through a paid subscription (school and district licenses). The assessment tasks include annotated examples of student responses illustrating different performance levels. Sample tasks are available on line. A good Problem-Solving Rubric is available for download.  
<http://www.exemplars.com/>

\* Leadership in Mathematics Education Group (NCSM)  
A collection of “great tasks” – performance tasks in mathematics linked to the Common Core Mathematics Standards. This project is a collection of tasks to support implementation of the CCSS. Many of these tasks are drawn from existing sources. Each task includes:

- Teacher Notes that provide an overview of the task, the Common Core State Standards Content and Practices standards that the task requires
- Activity Launch that addresses key prerequisite understandings and assesses student readiness for the task
- Core Task and Extension Activities

Click on “Great Tasks” link to view samples.  
<http://www.mathedleadership.org/ccss/materials.html>

\* MARS Assessment Project offers a collection of formative and summative assessment tasks and “challenges” aligned to the Common Core content and practices in Mathematics.

<http://map.mathshell.org/materials/index.php>

\* Illustrative Mathematics offers illustrative problems/tasks aligned to the CCSS Standards. Click on “Practice Standards” to see illustrative examples and videos of students demonstrating the practices. The website includes ideas to guide curriculum mapping.

<http://www.illustrativemathematics.org/>

\* The CCSS Toolkit (Hawaii DOE) contains math assessments for grades K-2 aligned to the domains of the CCSS.

<http://standardstoolkit.k12.hi.us/common-core/mathematics/mathematics-assessments/>

A set of modules and resources (sample problems) linked to the Standards of mathematical practices. <http://www.mathedleadership.org/ccss/itp/index.html>

Albuquerque, NM Public Schools have developed sets of math tasks aligned to the Common Core Standards. Choose “math” and grade level to view. (Not all are “authentic” problems).

[http://rda.aps.edu/RDA/Performance\\_Task\\_Bank/index.cfm](http://rda.aps.edu/RDA/Performance_Task_Bank/index.cfm)

Math Matters – The PBL Academy at Indiana University provides a variety of teacher developed math task and project ideas. You can access most of these resources by signing in as a “guest.”

<http://iuedmoodle.educ.indiana.edu/moodle/course/category.php?id=5>

Emergent Math – A blog containing ideas for interesting math tasks and projects.

<http://emergentmath.com/>

\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Exemplars” to view.

<http://www.edu.gov.on.ca/eng/curriculum/secondary/math.html>

\* The Balanced Assessment Project contains a library of over 300 mathematics assessment tasks and scoring guides for K-12. Although most are not framed as “authentic” problems, the website provides many useful and challenging assessment items.

<http://balancedassessment.concord.org/>

\* A collection of challenging mathematics tasks developed by The Mathematics Assessment Resource Service (MARS) -- Michigan State, Berkeley, and the Shell Center.

<http://www.nottingham.ac.uk/education/MARS/tasks/>

\* NCTM has established a library of “reasoning task” ideas linked to the CCSS for the high school level.

<http://www.nctm.org/rsmtasks/>

\*\* A collection of challenging mathematics tasks and accompanying lessons, some of which are linked to the Common Core standards.

<http://map.mathshell.org/materials/tasks.php>

\* A collection of mathematics problems developed by the math department at Phillips Exeter Academy.

<http://www.exeter.edu/documents/math1all.pdf>

<http://www.exeter.edu/documents/math2all.pdf>

\* A collection of contextualized lessons and tasks for algebra and geometry developed through CORD.

[http://www.cord.org/example\\_lessons-and-activities19507/](http://www.cord.org/example_lessons-and-activities19507/)

<http://www.cord.org/what-is-contextual-learning/>

\* A collection of short, constructed response problems (grades 2 – High School) with companion rubrics and student samples developed by The Minnesota Mathematics Partnership.

[http://www4.uwm.edu/Org/mmp/\\_resources/CR\\_Items.htm](http://www4.uwm.edu/Org/mmp/_resources/CR_Items.htm)

Mathematical Moments offers sets of 8.5" x 11" pdf cards offer ideas for real-world math tasks and projects.

<http://www.ams.org/samplings/mathmoments/browsemoments?cat=all>

\* Real World Math – This site contains a collection of free math activities based on using Google Earth.

<http://www.realworldmath.org/project-based-learning.html>

\* A collection of short, constructed response problems short, constructed response problems for Algebra and Geometry developed by The Minnesota Mathematics Partnership Click on the various “CABS” to view.

[http://www4.uwm.edu/Org/mmp/\\_resources/HSpage.htm](http://www4.uwm.edu/Org/mmp/_resources/HSpage.htm)

\*\* This five-trait rubric for use with mathematics tasks available from Exemplars.com assesses *Problem Solving, Reasoning & Proof, Communications, Connections and Representations*. Click on the link to download a pdf file.

<http://www.exemplars.com/resources/rubrics/assessment.php>

A collection of project-based units in mathematics developed for gifted Students – from the University of Connecticut.

<http://www.gifted.uconn.edu/projectm3/index.html>

A collection of mathematics assessments and associated resources developed in the United Kingdom. Most are decontextualized (i.e., not authentic).

<http://nrich.maths.org/public/>

Search by topic at this site -

<http://nrich.maths.org/public/leg.php>

A collection of short mathematics assessment tasks developed in the United Kingdom. Most are decontextualized (i.e., not authentic).

[http://www.nationalstemcentre.org.uk/elibrary/file/1950/investigations\\_tn\\_21-30.pdf](http://www.nationalstemcentre.org.uk/elibrary/file/1950/investigations_tn_21-30.pdf)

The WPI Industrial Mathematics Project for High School Students has developed over twenty industrial mathematics projects for high school students. Best of all these were drawn from a variety of real-world situations. These engaging projects are available for every level of high school mathematics, from Algebra to Calculus and Statistics. The length and scope of these projects is flexible. Each project contains enough material for a major, semester-long endeavor, but its component parts can be used in a shorter project or for scaffolding activities.

<http://www.wpi.edu/academics/math/CIMS/IMPHSS/projects.html>

Project-Based Instruction in Mathematics for the Liberal Arts (PBI-MLA) was developed at the University of South Carolina. The site offers teaching resources and ideas for projects applicable to post-algebra high school mathematics.

[http://faculty.uscupstate.edu/mulmer/PBI\\_Index.shtml](http://faculty.uscupstate.edu/mulmer/PBI_Index.shtml)

PBL Pathways contains project ideas for advanced mathematics.

<http://www.pblpathways.com/projects.html>

\*\*\*\*\* **SCIENCE** \*\*\*\*\*

\*\* An excellent collection of performance assessment tasks in Physical, Life, Earth and Space sciences for elementary, middle and high school levels.

<http://pals.sri.com/>



\*\* AAAS Project 2061 – Science Assessment Website provides free access to more than 700 assessment items for use with middle and early high school students. The assessments test student understanding in the earth, life, physical sciences, and the nature of science, and include checks for common scientific misconceptions. Select a topic to view “big” ideas, potential misconceptions about them and related assessment items and resources.

<http://assessment.aaas.org/>

\*\* Curriculum-embedded Performance Tasks - interdisciplinary, open-ended investigations that promote the inquiry developed in the state of Connecticut. Scroll down the page to “Curriculum-embedded Performance Tasks,” then click on grade levels to view the tasks.

<http://www.sde.ct.gov/sde/cwp/view.asp?a=2618&q=320890>

\* A collection of released tasks from the CT State Science Assessments. These are structured investigations for high school levels. Scroll down the page to “#4 Released Sample Items” to download a WORD file.

<http://www.sde.ct.gov/sde/cwp/view.asp?a=2618&q=320890>

\*\* Literacy Design Collaborative – A collection of science/technology tasks and instructional modules linked to the Common Core Literacy Standards.

<http://www.literacydesigncollaborative.org/resources/sample-modules/science-technical-subjects/>

\* Educurious Template Tasks for science developed through the Literacy Design Collaborative

<http://www.literacydesigncollaborative.org/wp-content/uploads/2012/07/Educurious-Draft-LDC-Science-Templates-June15-final-1.pdf>

\* Pennsylvania’s Student Aligned System (SAS) offers sample tasks for connecting the E/LA Standards (informational and explanatory writing; argumentative/persuasive writing) to Social Studies and Science using the Literacy Design Collaborative task frames.

<http://www.pdesas.org/module/content/search/advanced.aspx#search>

\* The New England Common Assessment Program (NECAP) releases some assessment items from each of the NECAP assessments are released to the public, along with support materials and related examples of student work. A set of inquiry tasks for science can be found at:

<http://www.ride.ri.gov/InstructionAssessment/Assessment/NECAPAssessment/NECAPReleasedItems.aspx>

\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Resource Documents,” then “Exemplars” to view.

<http://www.edu.gov.on.ca/eng/curriculum/secondary/science.html>

\* A collection of STEM projects. Click on the following website to register (free) for access to the projects.

<http://www.stemtransitions.org/>

\* A collection of assessment task ideas for science developed in the State of Illinois. Click on grade level sets to view and download the assessments. A collection of Science assessment task ideas developed in the State of Illinois. Click on grade level sets to view and download the Assessments and Rubric.

<http://www.isbe.state.il.us/ils/science/capd.htm>

A collection of STEM assessment tasks developed in the United Kingdom. Click on “StemNRICH” (on right side of screen) to see tasks in Biology, Chemistry, Physics, and Engineering.

<http://nrich.maths.org/public/>

\* A solid analytic rubric for scientific investigations available from Exemplars.com.

<http://www.exemplars.com/resources/rubrics/science.html>

\* A science continuum of basic science processes for use with grades K-2, available from Exemplars.com.

<http://www.exemplars.com/resources/rubrics/continuum.html>

\* Scientific Inquiry Rubrics – a resource for assessing student performances in scientific inquiry and providing meaningful feedback to students to promote learning developed in the state of Connecticut. Scroll down the page to “Scientific Inquiry Formative Feedback Rubrics,” then click on grade levels to view the rubrics.

<http://www.sde.ct.gov/sde/cwp/view.asp?a=2618&q=320890>

A 3-trait (Knowledge, Application and Communication) generic science rubric developed in Illinois.

<http://www.isbe.state.il.us/ils/science/pdf/rubric.pdf>

\*\* Rubric Book in Science

An excellent resource containing 100 ready-to-use performance lists, holistic rubrics, and analytic rubrics for a wide range of science products and performances K-12.

<http://www.corwin.com/books/Book225952>

\*\*\*\*\* **SOCIAL STUDIES** \*\*\*\*\*

\*\* Performance assessment tasks with accompanying rubrics in History, Geography, Civics and Economics for elementary, middle and high school levels developed in the State of Washington. Click on The Assessments then the Level.

<http://www.k12.wa.us/SocialStudies/Assessments/default.aspx>

\*\* Literacy Design Collaborative (LDC) – Funded by the Gates Foundation, the LDC has developed a set of task templates and instructional modules linked to the Common Core E/LA Standards. The templates support the integration of the E/LA Standards with content from Science, Social Studies and Technical subjects.

Click on these links to learn more and view sample templates.

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/resources/>

<http://www.gatesfoundation.org/college-ready-education/Documents/supporting-instruction-cards-literacy.pdf>

\* Check out the helpful Teacher Worksheets for these tasks on the right side of the screen.

<http://www.k12.wa.us/assessment/SocialStudiesArtsHealthFitness.aspx>

\* A collection of assessment task ideas for Social Studies developed in the State of Illinois. Click on grade level sets to view and download the assessments. Click on SOCIAL SCIENCE RUBRIC to view and download.

[http://www.isbe.state.il.us/ils/social\\_science/capd.htm](http://www.isbe.state.il.us/ils/social_science/capd.htm)

\* GEOGRAPHY – A collection of assessment task and scoring criteria developed in the State of Illinois. Click on k-5 Elementary, 6-8 Middle and 9-12 High School to view the assessments.

<http://my.ilstu.edu/~jabraun/socialstudies/assess/geo/assess/assintro.html>

\* Pennsylvania's Student Aligned System (SAS) offers sample tasks for connecting the E/LA Standards (informational and explanatory writing; argumentative/persuasive writing) to Social Studies and Science using the Literacy Design Collaborative task frames.

<http://www.pdesas.org/module/content/search/advanced.aspx#search>

\* A collection of well-developed rubrics for Document-Based Questions (DBQs), Writing, Speaking, Debate, and Socratic Seminar from Greece Central Schools, NY.

<http://www.greece.k12.ny.us/academics.cfm?subpage=1369>

A holistic rubric for Document-Based Questions

<http://www.historyteacher.net/rubric.htm>

An analytic rubric for Document-Based Questions

<http://teacherweb.com/PA/DallasHighSchool/gilroy/DocumentBasedQuestionsRubric.doc>

\*\*\*\*\* **TECHNOLOGY and STEM** \*\*\*\*\*

\*\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Resource Documents,” then “Exemplars” to view.

<http://www.edu.gov.on.ca/eng/curriculum/secondary/teched.html>

\*\* STEM Projects – A collection of projects. Click on the following categories to view:

- Primary Source & Archived Collections Projects
- Real Time Data Projects
- Engineering Projects
- Partner Projects
- Collaborative Projects

<http://www.k12science.org/currichome.html>

\* Examples of authentic projects with rubrics and student samples developed at High Tech High School in San Diego, CA

<http://www.hightechhigh.org/schools/HTH/>

<http://www.hightechhigh.org/projects/>

\*\* Literacy Design Collaborative (LDC) – Funded by the Gates Foundation, the LDC has developed a set of task templates and instructional modules linked to the Common Core E/LA Standards. The templates support the integration of the E/LA Standards with content from Science, Social Studies and Technical subjects.

Click on these links to learn more and view sample templates.

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/>

<http://www.literacydesigncollaborative.org/resources/>

<http://www.gatesfoundation.org/college-ready-education/Documents/supporting-instruction-cards-literacy.pdf>

\*\*\*\*\* **THEATER/DRAMA** \*\*\*\*\*

\*\* A database of units plans containing assessment ideas. A free registration is required to access the full set of resources on this website.

<http://tedb.byu.edu/>

\*\*\*\*\* **VISUAL and PERFORMING ARTS** \*\*\*\*\*

\*\* A collection of authentic tasks, rubrics and student exemplars developed by the Ontario, CN Ministry of Education. Click on “Resource Documents,” then “Exemplars” to view examples in visual arts and drama.

<http://www.edu.gov.on.ca/eng/curriculum/secondary/arts.html>

\*\* A collection of assessment tasks for Dance, Music, Theater and Visual Arts developed in the State of Washington.

<http://www.k12.wa.us/Arts/PerformanceAssessments/default.aspx>

\* Check out the helpful Teacher Worksheets for these tasks on the right side of the screen

<http://www.k12.wa.us/assessment/SocialStudiesArtsHealthFitness.aspx>

A collection of assessment task ideas in the fine arts developed in the State of Illinois.

[http://www.isbe.state.il.us/ils/fine\\_arts/capd.htm](http://www.isbe.state.il.us/ils/fine_arts/capd.htm)

\*\*\*\*\* **WORLD/FOREIGN LANGUAGES** \*\*\*\*\*

\*\* A collection of thematically organized Performance Tasks and associated Rubrics for World Languages developed by The Consortium for Assessing Performance Standards in the State of New Jersey.

<http://flenj.org/CAPS/toas.shtml>

then, click on THEMATICALLY ORGANIZED ASSESSMENT TASKS

\*\* A collection of Performance Tasks and associated Rubrics for World Languages developed by The Center for Advanced Research on Language Acquisition (CARLA) at the University of Minnesota.

[http://www.carla.umn.edu/assessment/vac/CreateUnit/e\\_1.html](http://www.carla.umn.edu/assessment/vac/CreateUnit/e_1.html)

A collection of assessment task ideas in foreign language developed in the State of Illinois

[http://www.isbe.net/ils/foreign\\_languages/stage\\_J/assessment.htm](http://www.isbe.net/ils/foreign_languages/stage_J/assessment.htm)

\*\* Fairfax County Public Schools, VA has developed a set of Language Rubrics for Writing and Speaking. The website includes a Conversion Chart for translating rubric scores into % grade equivalents.

<http://www.fcps.edu/is/worldlanguages/pals/>

\* A collection of Rubrics for language tasks developed by The Consortium for Assessing Performance Standards in the State of New Jersey

<http://flenj.org/CAPS/?page=147>

A collection of Rubrics for many languages. Click on the desired Language to view the rubrics.

<http://www.montgomeryschoolsmd.org/curriculum/languages/languagesoffered.aspx>

A collection of Rubrics developed in Glastonbury, MA.

<https://www.glastonburyus.org/curriculum/foreignlanguage/foreignlanguageecurriculum/Pages/default.aspx>

\* ACTFL Proficiency Guidelines – Developmental Rubrics for Language

<http://www.sil.org/lingualinks/LANGUAGELEARNING/OtherResources/ACTFLProficiencyGuidelines/contents.htm>

\* The Common European Framework (CEF) offers a comprehensive framework for Language Learning with implications for instruction and assessment. Scroll through the PDF file to view the developmental levels (rubrics) in Section 3.

[http://www.coe.int/T/DG4/Portfolio/?M=/main\\_pages/levels.html](http://www.coe.int/T/DG4/Portfolio/?M=/main_pages/levels.html)

\*\* Detailed self-assessment descriptors are available as a WORD file. Click “Self-assessment Descriptors” to download.

[http://www.coe.int/T/DG4/Portfolio/?L=E&M=/documents\\_intro/Data\\_bank\\_descriptors.html](http://www.coe.int/T/DG4/Portfolio/?L=E&M=/documents_intro/Data_bank_descriptors.html)

\*\* Rubrics for English Language Learners (ELL)

Click on Links on the right side of screen to download ELL Standards, Framework, and Classroom Rubrics.

<http://www.wida.com.us>

\* An on-line series of modules to guide teachers through the process of designing foreign language assessments.

<http://www.carla.umn.edu/assessment/VAC/>