

Standards of Learning Instructional Materials and Training Programs

January 2013

SUMMARY OF PRODUCTS AND PROJECTS



**FOCUSING ON
K-12 INSTRUCTION**

Available online at
http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

Division of Instruction
Virginia Department of Education
Richmond, Virginia

Standards of Learning Instructional Materials and Training Programs

ENGLISH

January 2013

SUMMARY OF PRODUCTS AND PROJECTS

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English

Division of Instruction
Virginia Department of Education
Richmond, Virginia

PROJECT || 2010 English Standards of Learning and Curriculum Framework**AUDIENCE** *Grades K-12***OVERVIEW**

The 2010 *English Standards of Learning* comprise the English language arts content that teachers in Virginia are expected to teach and students are expected to learn. The Curriculum Framework details the specific knowledge and skills students must possess to meet the standards for these subjects.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/

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**PROJECT || English Standards of Learning Enhanced Scope and Sequence
Sample Lesson Plans****AUDIENCE** *Grades K-12***OVERVIEW**

The English Enhanced Scope and Sequence (ESS) Sample Lesson Plans help teachers align instruction with the 2010 *English Standards of Learning* by providing examples of how the knowledge and skills found in the Standards of Learning and Curriculum Framework can be presented to students in the classroom.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/lesson_plans/

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PROJECT || English Standards of Learning Crosswalk between 2010 and 2002 Standards**AUDIENCE** *Grades K-12***OVERVIEW**

This crosswalk provides detail on additions, deletions, and changes between the 2002 *English Standards of Learning* and the 2010 *English Standards of Learning*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/frameworks/english_frameworks/2010/english_sol_crosswalk_02_10.pdf

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PROJECT || English SOL Practice Items**AUDIENCE** *Grades 3-12***OVERVIEW**

This resource provides the opportunity for students to practice multiple-choice and technology-enhanced items (TEI) that reflect the new content and increased rigor of the revised 2010 *English Standards of Learning (SOL)*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/practice_items/index.shtml#reading

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PROJECT || Standards of Learning VMAST Practice Items**AUDIENCE** *Grades 3-8, End-of-Course***OVERVIEW**

VMAST Practice items provide examples of test items as they may appear on the Virginia Modified Achievement Standards Test (VMAST) with research-based supports and simplifications applied to make the items more accessible to eligible students with disabilities.

MORE INFORMATION

http://www.doe.virginia.gov/testing/alternative_assessments/vmast_va_mod_achievement_stds_test/practice_items/index.shtml

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PROJECT || Online Writing Practice Tool**AUDIENCE** *Grades 3-12***OVERVIEW**

This practice tool will assist teachers with preparing students for the online writing assessment by familiarizing students with the online formatting tools available in the testing platform. These formatting tools mirror those of many word processing programs.

MORE INFORMATION

Grade 5 Writing Practice Tool

<https://vastatic.testnav.com/vaqc/epatLogin.jsp?testnavTestId=5001&testnavFormId=wptg5b>

Grade 8 Writing Practice Tool

<https://vastatic.testnav.com/vaqc/epatLogin.jsp?testnavTestId=8001&testnavFormId=wptg8b>

End of Course (EOC) Writing Practice Tool

<https://vastatic.testnav.com/vaqc/epatLogin.jsp?testnavTestId=8001&testnavFormId=wptgeocb>

Practice Guide for the Writing Practice Tool (PDF)

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/checklist_for_writers/writing_practice_tool_guide.pdf

English SOL Online Writing Web page

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/index.shtml

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PROJECT || Online Writing Test Webinar Series**AUDIENCE** *Grades 3-12***OVERVIEW**

These recorded writing webinars provide details about the online writing test and how to best use the online writing tool to prepare students. Examples of the online writing practice tool are featured.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/webinar/january_2012.shtml

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/webinar/webinar_presentation_1-19-12.pdf

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PROJECT || English SOL Online Writing Web Page**AUDIENCE** *Grades K-12***OVERVIEW**

This Web page provides teaching strategies, lesson plans, video links, Standards of Learning progression charts, graphic organizers, and resources to assist teachers at all grade levels in the instruction of the writing process.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/index.shtml

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PROJECT || 2010 English Standards of Learning Vocabulary Resources**AUDIENCE** *Grades K-12***OVERVIEW**

The vocabulary resources include teaching strategies, lesson plans, graphic organizers, and resource links to assist teachers at all grade levels in the instruction of vocabulary.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/vocabulary/index.shtml

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PROJECT || 2010 English Standards of Learning and the Common Core State Standards**AUDIENCE** *Grades K-12***OVERVIEW**

This document provides a side-by-side overview of how the 2010 *English Standards of Learning* are aligned to the Common Core State Standards. The comparison was made using Virginia's complete standards program for supporting teaching and learning including the 2010 *English Standards of Learning* and the Curriculum Framework.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/sol_ccss_comparison_english.pdf

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PROJECT || Literacy Web page**AUDIENCE** *Grades PreK-12***OVERVIEW**

This Web page provides resources to support students in literacy from birth through graduation. The state literacy plan is also included.

MORE INFORMATION

<http://www.doe.virginia.gov/instruction/english/literacy/index.shtml>

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PROJECT || Progression Charts for Reading, Writing, Grammar, and Research**AUDIENCE** *Grades K-12***OVERVIEW**

These Standards of Learning progression charts for reading, writing, grammar, and research identify the grade level at which specific skills are formally introduced in the 2010 *English Standards of Learning*. The progression charts provide a visual representation of the grade level at which a student should have formal instruction on specific skills.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/progression_chart_reading.pdf

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/progression_chart_writing.pdf

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/progression_chart_grammar.pdf

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/progression_chart_research.pdf

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PROJECT || English Performance Expectations**AUDIENCE** *Grades 12+***OVERVIEW**

These English Performance Expectations define the level of achievement students must reach to be academically prepared for success in entry-level credit-bearing college courses. The expectations were developed through the College and Career Readiness Initiative – a collaborative process that involved faculty from Virginia's two- and four-year colleges and universities, members of the business community, and high school educators.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/college_career_readiness/expectations/perf_expectations_english.pdf

http://www.doe.virginia.gov/instruction/college_career_readiness/resources/english_capstone_course_content.pdf

http://www.doe.virginia.gov/instruction/college_career_readiness/expectations/english_perf_expect_s_of_correlation.pdf

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PROJECT || PALS PreK - Grade 3**AUDIENCE** *Grades PreK-3***OVERVIEW**

This Web site offers support for instruction based on the Phonological Awareness Literacy Screening (PALS) instrument. Reports for teachers and administrators as well as grade level lesson plans for teaching specific skills are examples of some of the resources provided.

MORE INFORMATION

<http://pals.virginia.edu/>

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PROJECT || Early Literacy Instructional Videos**AUDIENCE** *Grades K-3***OVERVIEW**

These videos feature Virginia teachers demonstrating early literacy instructional strategies and activities.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/english/elementary/reading/early_literacy_strategies.shtml

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PROJECT || Elementary Reading Comprehension and Vocabulary Strategies Videos**AUDIENCE** *Grades K-5***OVERVIEW**

These videos feature Virginia teachers demonstrating vocabulary and comprehension strategies.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/english/elementary/reading/reading_vocabulary_strategies.shtml

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PROJECT || Middle School Vocabulary Videos**AUDIENCE** *Grades 6-8***OVERVIEW**

These videos feature Virginia teachers demonstrating vocabulary strategies and activities.

MORE INFORMATION

<http://www.doe.virginia.gov/instruction/english/middle/vocabulary/index.shtml>

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PROJECT || Virginia Animals and Their Habitats**AUDIENCE** *Grade 2***OVERVIEW**

This is a model comprehensive, cross-curricular second-grade unit that addresses grade two Virginia Standards of Learning in English, mathematics, science, and history and social science. The unit utilizes inquiry, student teamwork, project-based learning, student journals, and fosters responsible actions toward wildlife and related natural resources.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/cross-curricular_instruction/science/animals_habitats/index.shtml

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PROJECT || English SOL Institutes Presentations and Lessons**AUDIENCE** *Grades K-12***OVERVIEW**

This resource features a series of Instruction Writing Checklists that are aligned with the English Curriculum Framework for the Composing/Written Expression domain. The checklists are posted in Word format to permit school divisions to add additional writing requirements to this document. Teachers should consult the Curriculum Framework for grade-specific student writing expectations, as writing instruction is the responsibility of *every* grade, not just SOL-tested grades. Teachers should add the usage and mechanics domain.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/english/professional_development/index.shtml

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PROJECT || English SOL Writing Prompts**AUDIENCE** *Grades K-12***OVERVIEW**

This Web page provides a list of available prompts for the short paper writing component of the SOL writing tests in grades 5, 8, and end-of-course. Students taking the grade 5 writing test will write a short paper in response to a narrative or expository prompt. Students taking the grade 8 writing test will respond to an expository or persuasive prompt. Students taking the end-of-course writing test will respond to a persuasive prompt.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/index.shtml#writing_prompts

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PROJECT || English SOL Instruction Writing Checklists**AUDIENCE** *Grades K-12***OVERVIEW**

This Web page provides a list of available prompts for the short paper writing component of the SOL writing tests in grades 5, 8, and end-of-course. Students taking the grade 5 writing test will write a short paper in response to a narrative or expository prompt. Students taking the grade 8 writing test will respond to an expository or persuasive prompt. Students taking the end-of-course writing test will respond to a persuasive prompt.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/english/2010/online_writing/index.shtml#writing_checklists

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PROJECT || English SOL Development Video**AUDIENCE** *Grades K-12***OVERVIEW**

This video presentation provides a detailed explanation of the process through which the English Standards of Learning were developed and provides an overview of the changes between the 2002 *English Standards of Learning* and the 2010 *English Standards of Learning*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

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PROJECT || Virginia Department of Education Resources Supporting the English Standards of Learning Video**AUDIENCE** *Grades K-12***OVERVIEW**

This video presentation provides an explanation of the Virginia Department of Education resources that are available to support the 2010 *English Standards of Learning*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

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**PROJECT || Virginia Department of Education Resources Supporting the
English Standards of Learning Video****AUDIENCE** *Grades K-12***OVERVIEW**

This narrated PowerPoint presentation provides examples of increased rigor in the 2010 English Standards of Learning (SOL) and offers examples of how items will be assessed on both the reading and writing SOL assessments.

MORE INFORMATION

http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

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Standards of Learning Instructional Materials and Training Programs

MATHEMATICS

January 2013

SUMMARY OF PRODUCTS AND PROJECTS

Available online at
http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

Division of Instruction
Virginia Department of Education
Richmond, Virginia



PROJECT || 2009 Mathematics Standards of Learning and Curriculum Framework**AUDIENCE** *Grades K-12***OVERVIEW**

The 2009 *Mathematics Standards of Learning* comprise the mathematics content that teachers in Virginia are expected to teach and students are expected to learn. The Curriculum Framework details the specific knowledge and skills students must possess to meet the standards for these subjects.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/index.shtml#sol_docs

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PROJECT || Mathematics Standards of Learning Enhanced Scope and Sequence Sample Lesson Plans**AUDIENCE** *Grades K-12***OVERVIEW**

The Mathematics Enhanced Scope and Sequence Sample Lesson Plans help teachers align instruction with the 2009 *Mathematics Standards of Learning* by providing examples of how the knowledge and skills found in the Standards of Learning and Curriculum Framework can be presented to students in the classroom.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/scope_sequence/mathematics_2009/index.php

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PROJECT || Standards of Learning Practice Items**AUDIENCE** *Grades 3-8, Algebra I, Geometry, and Algebra II***OVERVIEW**

This resource provides the opportunity for students to practice multiple-choice and technology-enhanced items that reflect the new content and increased rigor of the 2009 *Mathematics Standards of Learning*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/practice_items/index.shtml#math

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PROJECT || Standards of Learning VMAST Practice Items**AUDIENCE** *Grades 3-8, Algebra I***OVERVIEW**

Virginia Modified Achievement Standards Test (VMAST) practice items provide examples of test items as they may appear on the VMAST with research-based supports and simplifications applied to make the items more accessible to eligible students with disabilities.

MORE INFORMATION

http://www.doe.virginia.gov/testing/alternative_assessments/vmast_va_mod_achievement_stds_test/practice_items/index.shtml

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PROJECT || Mathematics Instructional Videos for Teachers**AUDIENCE** *Grades K-12***OVERVIEW**

Forty instructional videos provide teachers with support for the implementation of the 2009 *Mathematics Standards of Learning*. Videos are grouped by mathematical strand (number and number sense; computation and estimation; measurement; geometry; probability and statistics; patterns, functions, and algebra; and strategies across strands).



MORE INFORMATION

<http://www.doe.virginia.gov/instruction/mathematics/resources/videos/index.shtml>

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**PROJECT || Mathematics Standards of Learning Institutes (2009, 2010, 2011, 2012)
Web Site – Professional Development Resources**

AUDIENCE *Grades K-12*

OVERVIEW

This Web site provides targeted professional development resources that were developed and delivered during Mathematics Standards of Learning (SOL) Institutes that:

- outlined the content standard changes from the 2001 Mathematics SOL to the 2009 Mathematics SOL (2009);
- supported district leaders and teachers in the implementation of the 2009 Mathematics SOL (2009, 2010, 2011, 2012);
- provided training in the vertical progression of content and pedagogy (2010);
- provided instructional guidance in content areas of greatest challenge (2010);
- provided professional development resources focused on facilitating students' mathematical understanding through problem solving, communication, and reasoning (2011); and
- provided online professional development tools focused on the use of formative assessment resources to drive instructional decisions (2012).

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/professional_development/index.shtml

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PROJECT || Mathematics Vocabulary Word Wall Cards**AUDIENCE** *Grades K- 8***OVERVIEW**

Mathematics vocabulary word wall cards provide a display of mathematics content words and associated visual cues to assist in vocabulary development. The mathematics vocabulary word wall cards should be used as an instructional tool for teachers and then as a reference for all students, particularly English learners and students with disabilities.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/resources/vocab_cards/index.shtml

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PROJECT || K-5 Mathematics Number and Number Sense Module**AUDIENCE** *Grades K-5***OVERVIEW**

The number and number sense module provides lesson plans aimed at enhancing teachers' content knowledge and instructional strategies for teaching the number and number sense strand.

MORE INFORMATION

<http://www.doe.virginia.gov/instruction/mathematics/index.shtml> (Under Mathematics Instructional Resources, click on the "Elementary School" tab.)

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PROJECT || K-3 Mathematics Achievement Record Samples**AUDIENCE** *Grades K-3***OVERVIEW**

This achievement record is designed for schools to maintain a record of achievement in mathematics for each K-3 student for progress monitoring. This record is designed to accompany a student who transfers to a new school.



MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/elementary/K-3_math_achievement_records.shtml

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PROJECT || Virginia Animals and Their Habitats

AUDIENCE *Grade 2*

OVERVIEW

This is a model comprehensive, cross-curricular second-grade unit that addresses grade two Virginia Standards of Learning in English, mathematics, science, and history and social science. The unit utilizes inquiry, student teamwork, project-based learning, student journals, and fosters responsible actions toward wildlife and related natural resources.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/cross-curricular_instruction/science/animals_habitats/index.shtml

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PROJECT || Algebra Readiness Initiative Web Site

AUDIENCE *Grades 6-8 and Algebra I*

OVERVIEW

The Algebra Readiness Initiative (ARI) provides assistance in preparing students for success in Algebra. The ARI Web site provides information about the initiative, the Algebra Readiness Diagnostic Test (ARDT) provided to school divisions, training tools for administering the ARDT, and links to resources provided to assist with intervention and remediation.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/middle/algebra_readiness/index.shtml

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PROJECT || Algebra Readiness Curriculum Companion**AUDIENCE** *Grades 6-8 and Algebra I***OVERVIEW**

The Algebra Readiness Curriculum Companion is a compilation of lessons for use by teachers and tutors as they provide intervention and remediation for students in grades 6-9.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/middle/algebra_readiness/curriculum_companion/index.shtml

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**PROJECT || Technical Assistance Document for 2009
Algebra I Standards of Learning (SOL) A.9****AUDIENCE** *Algebra I***OVERVIEW**

The purpose of this document is to assist teachers as they provide instruction and assess students on Algebra I SOL A.9. SOL A.9 is intended to extend the study of descriptive statistics beyond the measures of center studied during the middle grades.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/high/technical_assistance_algebra1_a9.pdf

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
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**PROJECT || Technical Assistance Document for 2009
Algebra II Standards of Learning (SOL) AII.11****AUDIENCE** *Algebra II***OVERVIEW**

The purpose of this document is to assist teachers as they provide instruction and assess students on Algebra II SOL A.11. SOL AII.11 continues the study of descriptive statistics as students analyze properties of normal distributions and apply those properties to determine probabilities associated with areas under the standard normal curve.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/high/technical_assistance_algebra2_aii_11.pdf

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
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PROJECT || Mathematics Capstone Course Information**AUDIENCE** *High School Mathematics***OVERVIEW**

The Mathematics Capstone Course Web site provides teachers with information about Virginia's College and Career Ready Mathematics Performance Expectations, The Mathematics Capstone course content, and instructional resources.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/capstone_course/index.shtml

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
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**PROJECT || 2009 Mathematics Standards of Learning
and the Common Core State Standards****AUDIENCE** *Grades K-12***OVERVIEW**

This document provides a side-by-side overview of how the 2009 *Mathematics Standards of Learning* are aligned to the Common Core State Standards. The comparison was made using Virginia's complete standards program for supporting teaching and learning including the 2009 *Mathematics Standards of Learning* and the Curriculum Framework.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/sol_ccss_comparison_mathematics.pdf

http://www.doe.virginia.gov/testing/common_core/index.shtml

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
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PROJECT || Computer Mathematics: Using Graphing Calculators**AUDIENCE** *High School Mathematics***OVERVIEW**

This resource provides teachers of Computer Mathematics a scope and sequence for the course as well as suggested instructional strategies and activities. Sample programs that address the activities are included as are scoring rubrics and templates for program development.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/mathematics/high/computer_math_graphcalc.doc

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
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PROJECT || Economics and Personal Finance**AUDIENCE** *Middle and High School Mathematics***OVERVIEW**

This Web site provides information to assist teachers in meeting the economics education and financial literacy requirements for all middle and high school students.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/economics_personal_finance/index.shtml

DOE CONTACT PERSON(S) Michael Bolling, *Director, Mathematics and Governor's Schools*
(804) 786-6418, Michael.Bolling@doe.virginia.gov

PROJECT || Approved Calculators**AUDIENCE** *Grades 4-8, Algebra I, Geometry and Algebra II***OVERVIEW**

This document provides examples of state-approved calculators for Mathematics Standards of Learning assessments.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/calculators/approved_calculators_sol_tests.pdf

DOE CONTACT PERSON(S) student_assessment@doe.virginia.gov
(804) 225-2102

PROJECT || Ancillary Test Materials**AUDIENCE** *Grades 3-8, Algebra I, Geometry and Algebra II Mathematics***OVERVIEW**

These documents provide examples of materials permitted for use by students during the Mathematics Standards of Learning tests including grid paper samples, formula sheets, and the Table of Standard Normal Probabilities.

MORE INFORMATION

http://www.doe.virginia.gov/testing/test_administration/ancillary_materials/index.shtml

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Standards of Learning Instructional Materials and Training Programs

SCIENCE

January 2013

SUMMARY OF PRODUCTS AND PROJECTS

Available online at
http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

Division of Instruction
Virginia Department of Education
Richmond, Virginia



PROJECT || 2010 Science Standards of Learning and Curriculum Framework**AUDIENCE** *Grades K-12***OVERVIEW**

The 2010 *Science Standards of Learning* comprise the science content that teachers in Virginia are expected to teach and students are expected to learn. The Curriculum Framework details the specific knowledge and skills students must possess to meet the standards for these subjects.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/science/

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**PROJECT || Science Standards of Learning Enhanced Scope and Sequence
Sample Lesson Plans****AUDIENCE** *Grades K-12***OVERVIEW**

The Science Enhanced Scope and Sequence (ESS) Sample Lesson Plans help teachers align instruction with the 2010 *Science Standards of Learning* (SOL) by providing examples of how the knowledge and skills found in the SOL and curriculum framework can be presented to students in the classroom.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/science/2010/lesson_plans/

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PROJECT || Standards of Learning Practice Items

AUDIENCE *Grades 3, 5 and 8, Biology, Earth Science and Chemistry*

OVERVIEW

Practice Standards of Learning items provide examples of test items that reflect the new content and increased rigor of the 2010 *Science Standards of Learning*. Items include examples of technology-enhanced items.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/practice_items/index.shtml#science

DOE CONTACT PERSON(S) student_assessment@doe.virginia.gov
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PROJECT || Lessons from the Bay

AUDIENCE *Grades 3-6*

OVERVIEW

This resource assists teachers of grades 3 through 6 with incorporating a variety of activities and projects related to protecting and restoring the Chesapeake Bay watershed, in keeping with the state's commitment in the Chesapeake 2000 Agreement.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/science/elementary/lessons_bay/index.shtml

DOE CONTACT PERSON(S) Barbara Young, *Science Specialist*
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**PROJECT || Grade 2 Cross-Curricular Model Unit:
Virginia Animals and Their Habitats****AUDIENCE** *Grade 2***OVERVIEW**

This is a model comprehensive, cross-curricular second-grade unit that addresses grade two Virginia Standards of Learning in English, mathematics, science, and history and social science. The unit utilizes inquiry, student teamwork, project-based learning, student journals, and fosters responsible actions toward wildlife and related natural resources.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/cross-curricular_instruction/science/animals_habitats/index.shtml

DOE CONTACT PERSON(S) Barbara Young, *Science Specialist*
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PROJECT || Project PROMISE Science Curriculum Units for Grades K-3**AUDIENCE** *Grades K-3***OVERVIEW**

This science curriculum was developed by trained teachers and field-tested in three school divisions. It includes hands-on, inquiry-based learning where the students are actively engaged in learning and solving authentic problems. The units cover life science, Earth science, and physical science for kindergarten through grade three.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/gifted_ed/project_promise/index.shtml

DOE CONTACT PERSON(S) Barbara Young, *Science Specialist*
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**PROJECT || Technology Sparks, Ideas for Teachers: Integrating Technology
with the Virginia Standards of Learning****AUDIENCE** *Grade 6, Life Science, and Physical Science***OVERVIEW**

This resource is designed for middle school teachers to provide resources and suggestions for incorporating technology into the Virginia Standards of Learning (SOL) middle school core curricular subjects.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/career_technical/resources/technology_sparks.pdf

DOE CONTACT PERSON(S) Eric Rhoades, *Director, Science and Health Education*
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PROJECT || Share the Skies**AUDIENCE** *Grade 6, Life Science, and Physical Science***OVERVIEW**

This resource is designed to enable Virginia teachers and students to access and control research-grade telescopes to explore Australia's night skies via the Internet. Teachers and students use CCD (charge-coupled device) imaging techniques to capture digital images of deep space for further study.

MORE INFORMATION

<http://www.sharetheskies.org/home.cfm>

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PROJECT || Practices for Science Investigation Progression**AUDIENCE** *Grade K-12***OVERVIEW**

The Practices for Science Investigation Progression chart identifies the grade level at which specific science skills/practices are formally introduced and how they progress throughout the 2010 Science Standards of Learning.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/science/resources/practices_for_science_investigation_progression.pdf

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PROJECT || Kindergarten – Grade Three Science Progression**AUDIENCE** *Grade K-3***OVERVIEW**

The Kindergarten – Grade Three Science Progression offers the progression of standards from kindergarten through third grade and how they relate to reporting categories on the Grade 3 Science SOL Test Blueprint.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/science/resources/science_progression_k-3.pdf

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PROJECT || Science Standards of Learning Institutes**AUDIENCE**

Grades K-12

OVERVIEW

Over the past three years, the VDOE held two statewide K-12 Science SOL Institutes that provided targeted professional development for representatives from each of Virginia's school divisions in support of the implementation of the 2010 *Science SOL*. Professional development resources from the two institutes are posted online to facilitate ongoing professional development in school divisions on the changes in the science standards and effective strategies for teaching science. These resources include facilitator guides, presentations, handouts, links to articles, and other professional development materials.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/science/professional_development/index.shtml

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PROJECT || Virginia Science Standards Institute (VSSI)**AUDIENCE**

Grades K-3

OVERVIEW

The two Institutes modeled exemplary science instruction, especially focusing on kindergarten through third-grade science SOL content and processes using cross-curricular instruction, student teams, and inquiry-based, project-based, and place-based learning. Teachers participating in a VSSI worked as a vertical school/division team to design a school/division instructional unit framework during the week.

MORE INFORMATION

<http://www.vmnh.net/index.cfm/topic/vssi-2012>

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Standards of Learning Instructional Materials and Training Programs

HISTORY AND SOCIAL SCIENCE

January 2013

SUMMARY OF PRODUCTS AND PROJECTS

Available online at
http://www.doe.virginia.gov/testing/teacher_direct/sol_library/index.shtml

Division of Instruction
Virginia Department of Education
Richmond, Virginia



**PROJECT || 2008 History and Social Science Standards of Learning
and Curriculum Framework**

AUDIENCE *Grades K-12*

OVERVIEW

The 2008 *History and Social Science Standards of Learning* comprise the history and social science content that teachers in Virginia are expected to teach and students are expected to learn. The Curriculum Framework details the specific knowledge and skills students must possess to meet the standards for these subjects.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/history_socialscience/index.shtml

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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**PROJECT || 2008 History and Social Science Standards of Learning
Enhanced Scope and Sequence Sample Lesson Plans**

AUDIENCE *Grades K-12*

OVERVIEW

The History and Social Science Enhanced Scope and Sequence (ESS) Sample Lesson Plans help teachers align instruction with the 2008 *History and Social Science Standards of Learning* by providing examples of how the knowledge and skills found in the SOL and curriculum framework can be presented to students in the classroom.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/history_socialscience/index.shtml

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT Standards of Learning Practice Items
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AUDIENCE *Grade 3, Virginia Studies, United States History to 1865, United States History: 1865 to the Present, Civics and Economics, World Geography, World History to 1500, World History: 1500 to Present, and Virginia and U.S. History*

OVERVIEW

Practice SOL items provide examples of SOL test items that reflect the new content and increased rigor of the 2008 *History and Social Science Standards of Learning*.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/released_tests/2011/history_sample/index.shtml

DOE CONTACT PERSON(S) student_assessment@doe.virginia.gov
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PROJECT History and Social Science SOL Institutes Presentations

AUDIENCE *Grades K-12*

OVERVIEW

The K-12 History and Social Science SOL Institutes provided training that focused on deepening participants' understanding and application of the rigorous practices and critical reasoning skills embedded in each history and social science standard. The Institutes used primary sources to provide participants with examples of how effective history and social science instruction may be enhanced for students in each course range and how teachers can improve student achievement in content areas of greatest challenge.

MORE INFORMATION

http://www.virginia.gov/instruction/history/professional_development/institutes/index.shtml

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Documents of American History**AUDIENCE** *Grades K-12***OVERVIEW**

This document provides a resource to support the state law that requires that the documents of American history shall be taught to all pupils in the public schools. Text of the Constitution of Virginia, Virginia Statute for Religious Freedom, Declaration of Independence, Constitution of the United States of America with Amendments and the Virginia Charters can be found in the Documents of American History.

MORE INFORMATION

http://www.doe.virginia.gov/testing/sol/standards_docs/history_socialscience/resources/documents_american_history.pdf

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PROJECT || Teaching and Learning Virginia K-3 History and Social Science Standards of Learning**AUDIENCE** *Grades K-3***OVERVIEW**

This Web site is designed to enhance teachers' content knowledge and support the development of instructional strategies for teaching the K-3 *History and Social Science Standards of Learning*. It serves as a guide for instructional planning through sample lesson plans, instructional links, school connections, literature links, and resources. Additionally, the site provides resources for teachers and students to locate information on the history, geography, civics, and economics strands in kindergarten through grade three.

MORE INFORMATION

<http://k3hss.pwnet.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Virginia's First People Past and Present**AUDIENCE** *Grades K-12***OVERVIEW**

This resource is designed for elementary, middle, and high school teachers as a guide in the instructional planning for teaching the history, geography, and economic systems of Virginia Indians. The Virginia's First People Past and Present Web site includes information, pictures, maps, lesson plans, links, and resources to support the 2008 *History and Social Science Standards of Learning*.

MORE INFORMATION

<http://virginiaindians.pwnet.org/>

DOE CONTACT PERSON(S)

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PROJECT || Ice Age Discoveries**AUDIENCE** *Grades K-12***OVERVIEW**

This resource assists students with learning how artifacts, charcoal, and soil, plant and animal remains have led archaeologists to reconsider the evidence and develop new ideas about where the earliest people came from and when they arrived. It highlights how archaeologists use science and lines of evidence to piece history together.

MORE INFORMATION

<http://iceage.pwnet.org/>

DOE CONTACT PERSON(S)

Betsy Barton, *History and Social Science Specialist*
(804) 225-3454, Betsy.Barton@doe.virginia.gov

PROJECT || Virginia Animals and Their Habitats**AUDIENCE** *Grade 2***OVERVIEW**

This is a model comprehensive, cross-curricular second-grade unit that addresses grade two Virginia Standards of Learning in English, mathematics, science, and history and social science. The unit utilizes inquiry, student teamwork, project-based learning, student journals, and fosters responsible actions toward wildlife and related natural resources.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/cross-curricular_instruction/science/animals_habitats/index.shtml

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT Mali: Ancient Crossroads of Africa
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AUDIENCE *Grades K-12*

OVERVIEW

This resource is designed for elementary, middle, and high school teachers as a guide in the instructional planning process for teaching the history, geography, and economics of the early West African empire of Mali. The Mali Web site includes information, pictures, maps, videos, lesson plans, links, and resources to support the 2008 *History and Social Science Standards of Learning*.

MORE INFORMATION

<http://mali.pwnet.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT Virginia Studies: Ready Resources for the Classroom

AUDIENCE *Virginia Studies*

OVERVIEW

This Web site is designed to enhance teachers' content knowledge and their use of instructional strategies for teaching the Virginia Studies Standards of Learning. It is designed for elementary teachers as a guide in the instructional planning process including sample lesson plans, maps, pictures, literature connections, and resources designed to support the Virginia Studies Standards of Learning.

MORE INFORMATION

<http://vastudies.pwnet.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || United States History: Connecting the Past to the Present**AUDIENCE** *United States History***OVERVIEW**

This Web site is designed to enhance teachers' content knowledge and their use of instructional strategies for teaching the United States History Standards of Learning. It is designed for teachers as a guide in the instructional planning process to include sample lesson plans, maps, pictures, literature connections, and resources designed to support the United States History Standards of Learning.

MORE INFORMATION

<http://ushistory.pwnet.org/>

DOE CONTACT PERSON(S)

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PROJECT || An Economy at Work: The Production and Consumption of Goods and Services**AUDIENCE** *Grades K-6***OVERVIEW**

This teaching module is designed to help elementary classroom teachers, K-6, with instructional strategies for teaching relevant economics concepts, understand production and consumption in the economy, and learn how economics can be integrated with other core disciplines.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/history/elementary/economy_at_work.pdf

DOE CONTACT PERSON(S)

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PROJECT || Everyday Civics**AUDIENCE** *Grades K-12***OVERVIEW**

This Web site is designed to enhance teachers' content knowledge and their use of instructional strategies for teaching the civics Standards of Learning in grades K-12. It is designed for teachers as a guide in the instructional planning process that includes sample lesson plans, primary source documents, and resources designed to support the civics Standards of Learning.

MORE INFORMATION

<http://civics.pwnet.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Global Learning: Virginia Standards of Learning

AUDIENCE *Grades K-12*

OVERVIEW

This Web site is designed to enhance teacher’s content knowledge and their use of instructional strategies for teaching the Virginia Standards of Learning in grades K-12. It is designed for teachers as a guide in the instructional planning process that includes sample lesson plans, documents, and resources designed to support the Virginia Standards of Learning.

MORE INFORMATION

<http://globallearning.pwnet.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Economics and Personal Finance

AUDIENCE Middle and High School

OVERVIEW

These instructional resources are designed to assist teachers in meeting the economics and financial literacy requirements for all middle and high school students.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/economics_personal_finance/index.shtml

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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**PROJECT || Technology Sparks, Ideas for Teachers: Integrating
Technology with the Virginia Standards of Learning**

AUDIENCE *United States History, Civics, and World History and Geography to 1500 A.D.*

OVERVIEW

These resources and suggestions are designed to assist teachers with incorporating technology into the Virginia Standards of Learning middle school core curricular subjects.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/career_technical/resources/technology_sparks.pdf

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Postwar Germany and the Growth of Democracy

AUDIENCE *United States History 1865 to the Present, World History and Geography 1500 A.D. to the Present, and Virginia and United States History*

OVERVIEW

These lessons and resources are designed to assist teachers and students with exploring Germany's social, political and economic experiences since 1945.

MORE INFORMATION

http://www.doe.virginia.gov/instruction/history/high/postwar_germany/complete_guide.pdf

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || WorldNet: Virginia-Teacher Study Seminars

AUDIENCE *Grades K-12*

OVERVIEW

This Web site provides resources from the experiences of teachers and administrators who participated in study seminars that focused on Virginia's Standards of Learning through on-site lectures and official meetings in countries such as Egypt, Israel, Turkey, and Greece. Seminar participants provided daily logs including pictures and personal experiences, built an online instructional resource for teachers and students based on Virginia Standards of Learning. Other resources housed on this Web site included background information, lesson plans, Standards of Learning correlations, and links to additional related sites.

MORE INFORMATION<http://worldnetva.pwnet.org/>**DOE CONTACT PERSON(S)** Betsy Barton, *History and Social Science Specialist*
(804) 225-3454, Betsy.Barton@doe.virginia.gov**PROJECT || International Space Olympics****AUDIENCE** *Grades 11-12***OVERVIEW**

This Web site features Virginia high school students who participated in the International Space Olympics in Korolev, Russia, the center of the Russian space industry near Moscow. These students participated in the Olympics through oral presentations of their research projects and examinations in selected tests in physics, mathematics, and/or computer science. Students competing in the Olympics provided daily logs of their experiences. Other resources housed on the permanent WorldNet: Virginia Web site included background information on the students and their projects and links to additional related sites.

MORE INFORMATION<http://worldnetva.pwnet.org/>**DOE CONTACT PERSON(S)** Betsy Barton, *History and Social Science Specialist*
(804) 225-3454, Betsy.Barton@doe.virginia.gov**PROJECT || Geography Connects Online Courses****AUDIENCE** *Grades K-12***OVERVIEW**

World Geography Connects to 1500 A.D., World Geography Connects 1500 A.D. to the Present, and World Geography Connects Contemporary Regions are interactive online courses for Virginia teachers to support the Standards of Learning for teaching World History and Geography to 1500 A.D. and World History and Geography: 1500 to the Present. The classes are taught online. The goals of the courses are to connect the events of world history to their geographical foundations, to connect the vocabulary of historical events and processes, to connect the tools and concepts of geography to analyses of historical events, and to provide lesson plans, resources, and links for classroom teachers. Teachers will find many ideas, resources, and links that will assist them in the classroom.

MORE INFORMATION<http://geoconnects.pwnet.org/>**DOE CONTACT PERSON(S)** Betsy Barton, *History and Social Science Specialist*
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PROJECT || For Virginians: Government Matters

AUDIENCE *Grades K-12*

OVERVIEW

This is a free online teaching and learning resource highlighting active citizen involvement, the impact of state and local government on daily life, and how individuals shape their communities in the Commonwealth.

MORE INFORMATION

<http://vagovernmentmatters.org/>

DOE CONTACT PERSON(S) Betsy Barton, *History and Social Science Specialist*
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PROJECT || Hidden in Plain Sight

AUDIENCE *Grades K-12*

OVERVIEW

This online course for K-12 teachers in Virginia is designed to teach about America’s past through everyday objects.

MORE INFORMATION

<http://chnm.gmu.edu/hiddeninplainsight/>

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