

RESOURCES

The following resources are from the U.S. Department of Education and have been identified by Anne Schiano, Assistant Director, Curriculum Instruction & Technology, NYSED

LITERACY

Poetry Everywhere

Poetry Everywhere provides 10 videos, as well as essays and lessons, to help students explore the power of language and build reading and writing skills. The videos feature seminal voices of poetry, past and present, from Walt Whitman and Emily Dickinson to Seamus Heaney, Marie Howe, and Yusef Komunyakaa. (Teachers' Domain, Multiple Agencies) http://free.ed.gov/resource.cfm?resource_id=2052

Teaching Literacy in English to K-5 English Learners

Teaching Literacy in English to K-5 English Learners provides videos, slideshows, and tools for teaching reading to K-5 English learners. The site is based on five research-based recommendations: screen and monitor students' progress; provide small-group reading interventions; provide vocabulary instruction throughout the day; develop academic English competence beginning in primary grades; and schedule regular peer-assisted learning opportunities, including structured language practice. (Department of Education) http://free.ed.gov/resource.cfm?resource_id=2055

New Center on Instruction Resources: Effective Instruction for Adolescent Struggling Readers: Professional Development Module

A new component of the Center on Instruction's "Effective Instruction for Adolescent Struggling Readers" is now available from the Center on Instruction's website. A professional development module consisting of a PowerPoint presentation with speaker notes and a Facilitator's Guide enhances the previously released meta-analysis and practice brief on the subject. This resource is available under "2. Effective Instruction for Adolescent Struggling Readers [K-12]" on the following website: http://www.centeroninstruction.org/resources.cfm?category=reading&subcategory=&grade_start=&grade_end=

SOCIAL STUDIES

Democracy and Human Rights

Democracy and Human Rights features publications about the U. S. government, democracy, and human rights. This site provides the intellectual history of democracy and what makes the U. S. government unique. See how our federal, state, and local governments are organized; how our executive, legislative, and judicial branches operate;

and how nongovernmental organizations influence government policy. Read about the origins of human rights, women in politics, the civil rights movement, and elections. (Department of State) http://free.ed.gov/resource.cfm?resource_id=2058

Outline of U. S. History

As per Anne Schiano, Assistant Director, Curriculum, Instruction & Technology, NYSED Outline of U. S. History presents 15 chapters on U.S. history: early America, the colonial period, independence, formation of a national government, westward expansion and regional differences, sectional conflict, the Civil War and reconstruction, growth and transformation, discontent and reform, war, prosperity and depression, the New Deal and World War II, postwar America, decades of change (1960-1980), new conservatism and a new world order, and bridge to the 21st century (Department of State) http://free.ed.gov/resource.cfm?resource_id=2059

SCIENCE

Encouraging Girls in Math and Science

Encouraging Girls in Math and Science offers tools for teachers to help girls achieve at the same level as boys in math and science. The site is based on five research-based recommendations: teach students that the brain grows when they practice and learn; provide prescriptive, informational feedback on strategies and effort; show female role models; spark initial curiosity and foster long-term interest in math and science; and teach spatial skills. (Department of Education) http://free.ed.gov/resource.cfm?resource_id=2056

Beyond Penguins and Polar Bears

As per Anne Schiano, Assistant Director, Curriculum, Instruction & Technology, NYSED Beyond Penguins and Polar Bears is a new online magazine to help elementary school teachers develop their knowledge of the Arctic and Antarctica and organize science and literacy instruction around polar themes. The first two issues, "A Sense of Place" and "Learning from the Polar Past," provide lessons and reading on data collecting and representation, map skills, comparing the Arctic and Antarctica, measuring ice sheets, and paleontology and archaeology. Book recommendations are included. (Ohio State University, National Science Foundation) http://free.ed.gov/resource.cfm?resource_id=2048

Energy and Material Cycles Visualizations

As per Anne Schiano, Assistant Director, Curriculum Instruction & technology, NYSED Energy and Material Cycles Visualizations provides animations, images, graphs, and photos on the carbon cycle, greenhouse gases, sea ice, sea level change, interglacial cycle,

continental drift, tectonic cycle, and the hydrologic cycle (Carleton College, National Science Foundation)

http://free.ed.gov/resource.cfm?resource_id=2061

Nuclear Energy Learning Resources

As per Anne Schiano, Assistant Director, Curriculum Instruction & technology, NYSED Nuclear Energy Learning Resources for Schools offers a list of resources for learning about nuclear energy topics. This site contains information about how nuclear reactors work, what makes certain materials radioactive, the role of nuclear energy in the 21st century. (Argonne National Laboratory, Department of Energy)

http://free.ed.gov/resource.cfm?resource_id=2053

Rock Cycle Animations

As per Anne Schiano, Assistant Director, Curriculum Instruction & technology, NYSED Rock Cycle Animations shows common rock-forming processes. The site shows magma crystallize to form igneous rock, rock erosion to create sediment, transportation of sediment, deposition of sediment to create sedimentary rock, and the creation of a metamorphic rock. Animations can be paused and rewound to stress important points (Carleton College, National Science Foundation)

http://free.ed.gov/resource.cfm?resource_id=2060

Secrets of Plant Genomes Revealed!

As per Anne Schiano, Assistant Director, Curriculum Instruction & technology, NYSED Secrets of Plant Genomes Revealed is a lively, upbeat video exploration of how plants got to be the way they are and how we can make better use of them in the future. Learn how plant genome research is revolutionizing the field of biology. Find out how scientists are unlocking the secrets of corn, cotton, potatoes, and other plants that are important in our lives. Discover how the study of plants can improve our everyday lives.

ToxMystery

As per Anne Schiano, Assistant Director, Curriculum Instruction & technology, NYSED ToxMystery features an animated game that helps elementary students learn about common household hazards. Students enter a house and go room to room, mousing over items, clicking on those that move, and answering questions. Lesson plans and parent resources are included. (National Library of Medicine)

http://free.ed.gov/resource.cfm?resource_id=2051