



Implementation Framework for Achievement Standards Toolkit (IFAST)

Diny Golder-Dardis
Bruce Walker
JES & Co.

And our sponsors:



Technology or Application	Managed Learning System Standards Recommended Best Practice
Content and Educational Resource Storage and Delivery	Use IMS and SCORM content standards to format educational resources and assessments for delivery through a wide range of compatible Learning Management, Content, and Assessment Systems
Content and Education Resource Alignment and Cataloging	Use Dublin Core, GEM, and USMARC compliant applications to catalog resources
	Use the Achievement Standards Network to correlate resources and assessments to academic standards
	Use the MLS ASAS toolkit to integrate resource alignment and cataloging in the classroom
Administrative and Decision Support Systems	Use SIF Schools Interoperability Framework compatible applications and practices to connect systems such as Administration, Library, Food Services and Student Information
Data Information and Exchange	Use Web Services and WS-I and W3C compliant XML, SOAP and UDDI technologies to manage business processes and enterprise integration projects
Connectivity and Mobility	Use IEEE 802.11 b,g compliant integrated WLAN technologies to power mobile wireless solutions

ASN relationship with Standards Bodies

The ASN Standards Document AP currently uses terms from the following namespaces:

- Achievement Standards Network (ASN) Terms [<http://purl.org/ASN/schema/core/>]
- DCMI Metadata Terms [<http://purl.org/dc/terms/>]
- GEM Core Terms [<http://purl.org/gem/elements/>]
- GEM Qualified Terms [<http://purl.org/gem/qualifiers/>]
- IEEE Learning Object Metadata (LOM) NOTE: Work continues on the RDF encoding of the IEEE LOM. Once expressed as RDF properties in a declared namespace, LOM elements will be considered for inclusion in the Application Profile.
- Simple Knowledge Organization System (SKOS) [<http://www.w3.org/2004/02/skos/>]
- FOAF (Friend of a Friend) [<http://xmlns.com/foaf/0.1/>]

ASN relationship with Standards Bodies

Format of entries:

This Application Profile is presented following the "

[CEN CWA 14855: Dublin Core Application Profile](#)
" produced by the [CEN MMI-DC Workshop](#). On completion of the application profile according to CWA 14855, GEM Exchange intends to declare a Resource Description Framework (RDF) version of the profile according to Guidelines for Machine-processable Representation of Dublin Core Application



Address http://www.thegateway.org/

Google Search PageRank ABC Check AutoLink Options



Gateway to 21st Century Skills

home browse news about help

you are here: home » browse

Browse by subject (glossary) hide ▲

all (361) | arts (4950) | educational technology (3082) | foreign languages (894) | health (3775) | language arts (7510) | mathematics (5624) | philosophy (346) | physical education (1815) | religion (526) | science (11881) | social studies (13416) | vocational education (999) |

Browse by type (glossary) hide ▲

Activity (8825) | Artifact (186) | Best practice (456) | Catalog record (32) | Collection (3848) | Community (300) | Course (90) | Curriculum (348) | Curriculum support (2269) | Data set (338) | educator's guide (128) | Environment (377) | Event (141) | Form (14) | Image set (202) | Lesson plan (16556) | Literature (2525) | Primary source (1343) | Project (492) | Realia (9) | Reference (1563) | Research study (201) | Secondary source (629) | Serial (256) | Service (124) | Story (120) | Study guide (286) | Tool (821) | Unit of instruction (1637) | web lesson (167) | More

Browse by level (glossary) show ▼

Browse by keywords (glossary) show ▼

Browse by mediator (glossary) show ▼

Browse by beneficiary (glossary) hide ▲

Search the GEM Catalog

find
in Full Text
Go

News

Gateway News

Feeding Minds, Fighting Hunger
Feeding Minds, Hunger announces addition of the Window 200

NOAA Ocean Explorer America through the ex of ocean discovery 200

Address <http://www.jesmls.org/asf/default.aspx>
 Google Search PageRank ABC Check AutoLink Options

Statements

Organization:

Wisconsin

Subject:

Science

Adoption Date:

1998

Grades:

 PK K 1 2 3 4 5
 6 7 8 9 10 11 12

Search

Reset

Hierarchy Level 1 (10) 5 10 25

12

Statement	Grade	State
↓ A. Science Connections	K -- 12	
↓ B. Nature of Science	K -- 12	
↓ C. Science Inquiry	K -- 12	
↓ D. Physical Science	K -- 12	
↓ E. Earth and Space Science	K -- 12	

Hierarchy Level 2 (8) 5 10 25

12

Statement	Grade	State
↓ A.8.1 Develop their understanding of the science themes by using the themes to frame questions about science-related issues and problems	5 -- 8	
↓ A.8.2 Describe limitations of science systems and give reasons why specific science themes are included in or excluded from those systems	5 -- 8	
↓ A.8.3 Defend explanations and models by collecting and organizing evidence that supports them and critique explanations and models by collecting and organizing evidence that conflicts with them	5 -- 8	
↓ A.8.4 Collect evidence to show that models developed as explanations for events were (and are) based on the evidence available to scientists at the time	5 -- 8	

Academic Standards and Assessment System

Tuesday, October 04, 2005

Welcome: brucew

[Logout](#) | [Input and Align](#) | [Search](#) | [Profile](#) | [Contact Us](#) | [Home](#)

Search

Standards:

Subject:

Grades:
 PK K 1 2 3 4 5 6
 7 8 9 10 11 12

Search Type: Standards Resources
Keywords:

Resource Type:

 Activity
 Artifact
 Assessment - Extended Response Item
 Assessment - Fill-in Item
File Type:

Suitable For:

Resource Status:

Resource Cost:
 All Free Partially-Free Fee-Based

Search

Reset

Resources Found: 4031 Per Page: 5 10 25

	<u>Title</u>	<u>Abstract</u>	<u>Publisher</u>
Details	A Career Head Start	Pasadena Partnership Academies in California offer a rigorous blend of academic and work-based learning to high school students, including those at highest risk for failure. Students are provided with full use of the technologies available by area businesses and institutions participating in the program.	George Lucas Educational Foundation
Details	A Century of Firsts - Firsts	The students will research facts about the history of spaceflight in the 20th century and answer questions about selected events.	NASA
Details	A Classroom Full of Resources	This activity's objective is to reinforce the concept that natural resources are all around us. Students are divided into teams and are assigned specific parts of the classroom, then are to list objects in their area and what they are made of. Also includes information on what makes up common items in homes, focusing on metals.	Mineral Information Institute
Details	A Day in the Life	In this activity, students play the role of a Russian cosmonaut on the Mir space station.	PBS

Suitable For:	Students
Used By:	Teachers
Resource Type:	Activity
Formats:	text/HTML
Publisher:	NASA
Author:	
Rights:	
Cost:	Free

[Modify Record: 29111](#)

State Alignment Codes: • Maryland - 2.8.16 • Arizona - 6SC-E9.PO 1

Aligned Standards: 4

<u>Subject and Subheadings Statement, Benchmark, or Objective</u>	<u>Authority</u>	<u>Subject</u>	<u>Grade</u>	<u>State</u>	<u>State Code</u>
Earth/Space (2.0): Science Interactions of Hydrosphere and Atmosphere 2.8.16 describe the composition, properties, and structure of the atmosphere	nevin	Science	6 - 8	Maryland	2.8.16
Standard 4: Science <i>Physical Setting</i> 2. Many of the phenomena that we observe on Earth involve interactions among components of air, water, and land. explain how the atmosphere (air), hydrosphere (water), and lithosphere (land) interact, evolve, and change	nevin	Science	5 - 8	New York	
Standard 6: Earth and Space Science 6SC-E9. Describe the composition, properties and structure of the atmosphere PO 1. create a model of the structure of the atmosphere	System	Science	6 - 8	Arizona	6SC-E9.1

Academic Standards and Assessment System

Tuesday, October 04, 2005 Welcome: brucew | Logout | Input and Align | Search | Profile | Contact Us | Home |

Resources By Selected Standard

[← BACK TO THE RESULTS](#)

Standards:
 Georgia

Subject:
 English/Language Arts

Grades:
 PK K 1 2 3 4 5 6
 7 8 9 10 11 12

Search Type: Standards Resources

Search Reset

Standards Found: 94 Per Page: 5 10 25 Show A2A Alignment

	<u>Subject and Subheadings</u> <u>Statement, Benchmark, or Objective</u>	<u>Content Area</u>	<u>Grade</u>	<u>Aligned Resources</u>	<u>Inferred Resources</u>
View Resources	Strand: Oral Communication Topic: Listening/Speaking Standard: Adapts or changes oral language to fit the situation by following the rules of conversation with peers and adults.	English	5 - 5	0	11
View Resources	Strand: Oral Communication Topic: Listening/Speaking Standard: Listens and responds to a variety of literary forms including prose, poetry, and drama.	English	5 - 5	0	5
View Resources	Strand: Oral Communication Topic: Listening/Speaking Standard: Follows multiple oral directions.	English	5 - 5	0	1
View Resources	Strand: Oral Communication Topic: Listening/Speaking	English	5 - 5	0	6



Address <http://www.jesmls.org/demo/default.aspx?item=1>

Google Search PageRank Check AutoLink Options

Academic Standards and Assessment System

Tuesday, October 04, 2005

Welcome: **brucew**

[Logout](#) | [Input and Align](#) | [Search](#) | [Profile](#) | [Contact Us](#) | [Home](#)

[← BACK TO THE RESULTS](#)

Resources By Selected Standard

Standards:

Georgia

Keywords:

File Type:

All

Subject:

English/Language Arts

Resource Type:

Image set
ImageSet
Lesson plan
Literature
MC (multiple choice)

Suitable For:

All

Grades:

PK K 1 2 3 4 5 6
 7 8 9 10 11 12

Resource Status:

Approved Only

Resource Cost:

All Free Partially-Free Fee-Based

Search Type: Standards Resources

Search

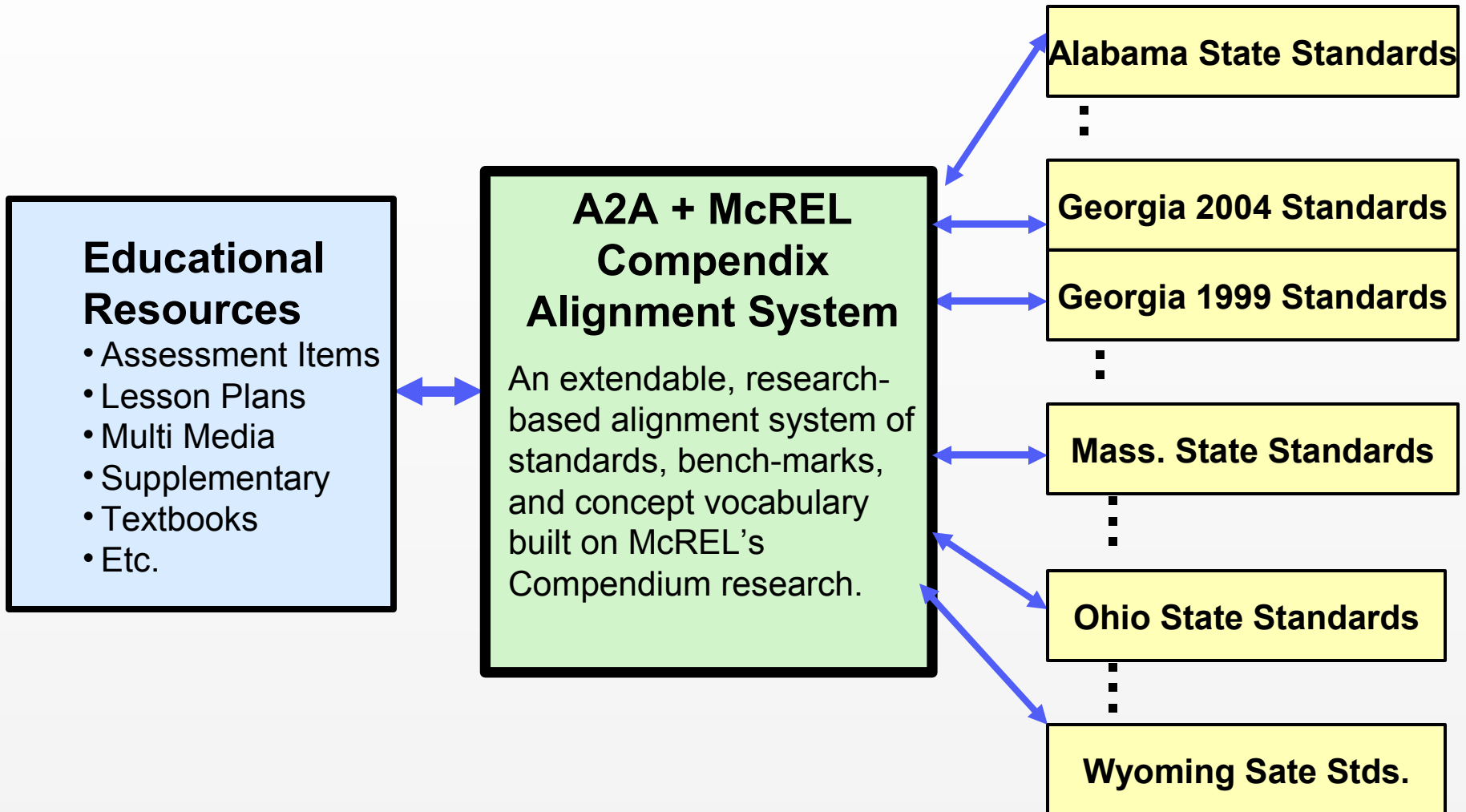
Reset

A2A Alignment Description	Subject and Subheadings Statement, Benchmark, or Objective	Content Area	Grade
	Strand: Oral Communication Topic: Listening/Speaking Standard: Adapts or changes oral language to fit the situation by following the rules of conversation with peers and adults.	English	5 - 5

Resources Found: 11 Per Page: 5 10 25

	Title	Abstract	Publisher
Details	Speaking: Appealing to an Audience	This sixth grade lesson in Classroom Currents teaches students to develop critical listening skills by: searching Web sites for speeches; find and save an appropriate audio file of a speech; summarize the speech's purpose in a PowerPoint presentation; and organize the presentation with text, graphics and effects.	Futurekids, Inc - www.futurekids.com

Crosswalking Classroom Materials



Crosswalking Example

Early Reading Activity

Educational Resource

Oral Language Lesson Activity

Have children say each sound after you. Then call on Volunteers to put the sounds together to make a word.

/b/ /a/ /t/ = bat
/p/ /i/ /g/ = pig

A2A Alignment System

8.1.96 A, B

Blends separate phonemes, or sounds, into meaningful utterances

From the *A2A+McREL Compendix*

Alabama 2003

Grade 1

1. Demonstrate phonemic awareness by isolating, deleting, and adding phonemes...

Georgia 1999

Grade 1

Blends sounds orally to make words.

Georgia 2004

Grade 1

e. Orally blends two to four phonemes into recognizable and / or nonsense words.

Wyoming 2003

Grade K

C. Students orally combine and segment syllables.



Search Standards & Resources

Search for standards-aligned materials and resources.



Professional Learning

Organize and support your professional needs



Unit Design Builder

Build quality lessons and submit them for publishing



Projects & Programs

View supporting information for all of the GA DoE's educational initiatives



[HOME >](#)

Welcome to GeorgiaStandards.Org!

Welcome to GeorgiaStandards.Org, the Georgia Department of Education's curriculum website for the integration of Quality Core Curriculum standards, lesson plans, web resources, assessments, and additional materials to benefit Georgia students, parents, and teachers.

NEWS

[View News Archive](#)

August 06, 2005

Georgia Learning Connections (GLC) has undergone a name change to reflect the introduction of the new Georgia Performance Standards. The new name will be GeorgiaStandards.Org.
[Read More >](#)

August 01, 2005

Please join us in congratulating Martha M. Jenkins for receiving the national R.G. Moore Teacher of Excellence award.
[Read More >](#)

MOST POPULAR

Lesson Plans

- [Grades K - 5](#)
- [Grades 6 - 8](#)
- [Grades 9 - 12](#)

Sequenced Instructional Plans

- [English](#)
- [Mathematics](#)
- [Science](#)
- [Social Studies](#)

Documents

- [Rubrics](#)
- [Templates](#)
- [Images](#)
- [Charts](#)

Monthly Newsletter

Discover what's happening in education around Georgia



Partners in Education

See who's partnering with us in our mission to improve education



Online Teacher Resources

Find worksheets, conferences, and much more.



Sequenced Instructional Plans

Browse a year's worth of lesson plans for a variety of subjects and grades



LOCATE STANDARDS & RESOURCES

Subject

Topic

- Grade Levels
- | | | | |
|-----------------------------|------------------------------|------------------------------|-------------------------------|
| <input type="checkbox"/> PK | <input type="checkbox"/> 1st | <input type="checkbox"/> 6th | <input type="checkbox"/> 9th |
| <input type="checkbox"/> K | <input type="checkbox"/> 2nd | <input type="checkbox"/> 7th | <input type="checkbox"/> 10th |
| | <input type="checkbox"/> 3rd | <input type="checkbox"/> 8th | <input type="checkbox"/> 11th |
| | <input type="checkbox"/> 4th | | <input type="checkbox"/> 12th |
| | <input type="checkbox"/> 5th | | |

[Find Results](#)

 Teaching and Learning Resources

The Teaching and Learning Resources (TLR) tool enables you to conduct searches for information relevant to your classroom. To begin, select "**Resources**" to locate lesson plans, activities, assessments and other materials.

Search Type: Standards Resources

Discipline: Technology/Ed Technology

Topic: Technology

Grade(s): All PK K 1 2 3 4 5 6
 7 8 9 10 11 12 Higher Ed

Keywords: (use commas to separate keywords)

Resource Types: All
Activity
Artifact
Assessment - Extended Response Item
Assessment - Fill-in Item
Assessment - Multiple Choice Item
Assessment - Short Answer Item

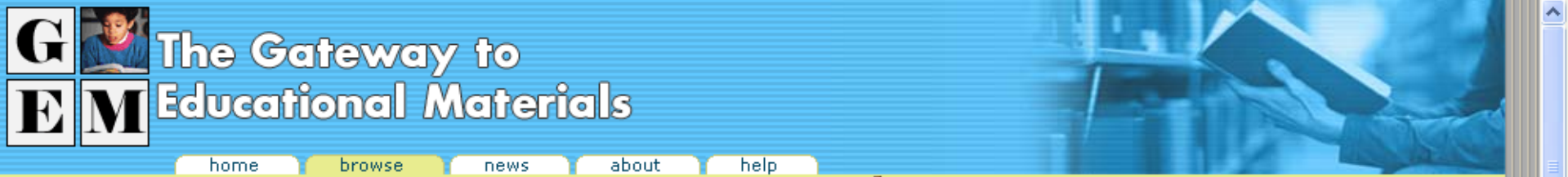
File Type: All File Types

Search Output: Results viewed per page: 10

 Reset

 Submit

Resources Found: 287



The Gateway to Educational Materials

home browse news about help

you are here: home » browse » volcano world: igneous rocks » assessment_gemelement

Navigation

- Home
- About
- Contact Us
- Help

sponsors

GEM is Sponsored by: **ED.gov**

view **assessment** comments add new item

Volcano World: Igneous Rocks

Overall: ★★★★★

This is one of the better lesson plans I have seen regarding formation.

Importance: ★★★★★

This topic is critical to the student's understanding of how igneous rock is formed and released during a volcanic eruption.

Need: ★★★★★

The focus of this lesson plan is on a topic about which few resources are available to the classroom teacher.

Evidence: ★★★★★

The lesson plan is well documented and the procedures used appear sound. Therefore, there appears to be good evidence of effectiveness.

Accuracy: ★★★★★

Gateway Search

find

in Full Text

Go Help

Coming Soon – Alignment to State and National Standards

cycle anywhere, with a diagram available in over 50 languages!
2005-03-03

The Center for the Advancement of Ethics and Character Great educational resources to help young people acquiring sound ethical values and form good character.
2005-03-03

Detailed Assessment

ASN/GEM Participants

- Publicly Funded Resource Providers
 - Public Broadcasting Service (PBS)
 - National Science Digital Library (NSF:NSDL)
 - The Institute of Museums and Library Services (IMLS)
 - The Gateway to Educational Materials (GEM)