INDEXING GLOBE TO NATIONAL & INTERNATIONAL STANDARDS

A PROJECT OF THE GLOBE CLASSROOM ASSESSMENT TEAM AT SRI INTERNATIONAL

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"How to Index YOUR Standards to GLOBE"

The classroom assessment team at SRI International has developed a series of protocols designed to facilitate your efforts to index GLOBE to standards. The pages that follow represent out first draft efforts ('97 Implementation Guide only). These materials can be used as a starting place for GLOBE partners, curriculum specialists, and teachers as they work together with district- and state-level officials to build a coherent plan for implementing GLOBE activities.

- 1. Review Links to External
 Standards (NSES etc). This is
 helpful if YOUR standards are
 based on a set of reference
 standards. (Found in Sections
 1, 2 & 3 of GLOBE Indexing
 Notebook)
- 2. Assemble Indexing Team/s
 (based on subject matter /
 grade level specialty; states with
 multiple franchises might
 consider subdividing the task).
- 3. Index GLOBE Science & Inquiry
 Concepts to YOUR Standards.
 (Use templates in section 4 & 5
 of GLOBE Indexing Notebook.)

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	ATMOSPHERE SCIENCE CONCEPTS	Insert YOUR standard, here
T.	Composition of the atmosphere, human influences on changes in the Earth's atmosphere	
2.	Cloud formation (including water cycle) and identification.	
3.	Clouds can be used to forecast / predict the weather	
4.	Clouds can have according/www.ningletfect; effects of wind	
5.	Earth's heat fransfer is influenced by movement of yester in the atmosphere	
6.	Density (of rein, snow)	
7.	Change of state; energy changes and changes in state; heat capacity	
θ.	Acids, bases, pH, pH-riensurement, burtiers, and precipitation and its effects	
9.	Heat and temperature	
10.	Heat transfer through radiation, conduction, and convection;	
11.	Different autotorical transfer energy and heat at different rates, come rederials are good conductors, some are good insulators.	
12	Substances equand and contract as the temperature changes; coefficient of expansion	
13.	Classification helps us organize and understand the natural world.	
14.	Models and similations allow you to: study a process or pheromenon that would be difficult to study in other weys, compare the predicted values (using the model) and the reassured values, modify input parameters in order to predict realistic changes in output.	

- **4.** Establish Interative Review Process and involve key District- & State- level personnel in the process to edit, review, and approve. Post approved index links on Web (ultimately).
- **5.** Cross-reference your selected standards to the Protocols, Learning Activities and Classroom Assessments (found in section 6, 7, & 8 of GLOBE Indexing Notebook) to create coherent lesson and curriculum plans.

	GLCBR Key Consepts - Adhosphere		Cloud Gever	Spinful	Bother Bass	ett	Max. Van and Current Temp
ti	Gemposition of the strengthers; human influences on changes in the Earth's atmosphere						
Ž.	Cloud formation (including vister syste) and West/Fosters	N.	1	N :	X		
1	Cloude can be used to forecast/ predict. the vestion						
4.	Clouds have a cooling warming effect; etherat of wind		1	Х	2		

Inquiry Conseque in the ATMOSPHERE innestigation Assu	Good Type	Cloud Cons	hond	Sold Prospilation	el	May, Min and Control Temp
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L. Controllers and measurements are securely and appropriate	•			•	٠	- 1
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5. Complete accompanied an other and appoints	11		100	11		- 1

	ATMOSPHERE SCIENCS CONCEPTS	Friency	Benefity			Protocol Testa	HOTH solviller	HOTE adville
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1	Cloud from ation (instabling water e-pole) and interestination	1	1					
1	Clouds can be used to forecast i predict the sendler	1	1	1	4			
į	Clouds can have a cooling/hourning effect; effects of saled	1	1	1	4			

ATHOSPHERE Inquiry Consents	Primary	Shanter	Hidde School	Sign Saland	Potosol Tests	NCTH artistics	NCTS arbition
1. Use appropriate mathematical procedures		4	1	4	1 3	111	(1)
2. Inforpations, Gends	1	4	1	1			110
1. Explain data and relationships	1	4	1	4			
Create multiple formula for representing data		A	1	4			(1)

Notes: