

<u>Coding for the following words/document:</u>	Red—delete this stuff	Mustard— to be clumped together under one main word/term	Blue—add this stuff	Plum—are being worked on
Educational Theory	“A set of propositions which are stated with sufficient generality yet precision that they explain the behavior of a range of phenomena and predict which would happen in the future. An understanding of these propositions includes an understanding of what would refute them.”	Pring, R. (2000) Philosophy of Educational Research. London; Continuum. pp. 124-125		Gus Medina
Educator Alternative	Therapist, facilitator, teacher, trainer, practitioner, counselor	Association for Experiential Education		Christian Itin
Educator Alternative	A person concerned with the overall process of teaching (facilitating learning) in a formal or informal venue.	Visitor Studies Association		Marcella Wells
Educator Primary	An educator is a person involved with the overall process or practice of facilitating learning. teaching in a formal or informal venue. These	Definitions Project		

	include geography educator, archaeology educator, biology educator, history educator, museum educator, and many others, each with a specialty but with an overall goal to connect discipline-specific education with an understanding of the interconnectedness of cultural and natural resources.			
Environmental Education Primary	A learning process that increases people’s knowledge and awareness about the environment and associated challenges, develops the necessary skills and expertise to address the challenges, and fosters attitudes, motivations, and commitments to make informed decisions and take responsible action.	(UNESCO, Tbilisi Declaration, 1978)		Gus Medina
Environmental Education Alternative	Environmental education is a process designed to teach citizens and visitors the history and importance of conservation and the biological and the	USFWS		

	scientific knowledge of our Nation’s natural resources.			
Environmental Education Alternative	A process that aims to develop an environmentally literate citizenry that can compete in our global economy; has the skills, knowledge, and inclinations to make well-informed choices; and exercises the rights and responsibilities of members of a community	North American Association for Environmental Education		Amy Galperin
Exhibit Primary	An organized arrangement of objects, text, graphics, and objects other media which communicate a message or theme. 1. <u>Outside exhibits</u> often called waysides (BLM, NPS term) – are usually interpretive signs, kiosks, or other presentation methods developed for use in the outdoors	Definitions Project		
Exhibit Design Primary	The process of conceiving an exhibit or other media to convey a message identified by a specific interpretive goal.	Definitions Project		
Exhibit	The process by which	Definitions		

Development Primary	exhibit designs become reality; i.e., fabrication or production.	Project		
Experiential Education	A philosophy and methodology in which educators purposefully engage with learners in direct experience and focused reflection in order to increase knowledge, develop skills and clarify values.	Association for Experiential Education http://aee.org/customer/pages.php?pageid=47		Gus Medina
Experiential Learning	Engagement in some activity, reflect upon the activity critically, derive some useful insight from the analysis, and incorporate the result through a change in understanding and/or behavior.	David A. Kolb, Experiential Learning: Experience as a Source of Learning and Development, 1984, 3-4).		Gus Medina
Environmental Learning Center Alternative	A day or residential facility where students and other visitors can learn about the natural and cultural resources of the community and how they interact over time.	Gus Medina		Gus Medina
Environmental Learning Center	A facility where visitors can learn about natural and cultural resources and how	Definitions Project		

Primary	they interact over time.			
Evaluation Alternative	A judgment of worth and appraisal of value, not necessarily intended to determine what caused things to happen or to provide explanations	Visitor Studies Association		Marcella Wells
Evaluation Primary Include as subset: Front end, Formative, Remedial, Summative, etc.	A judgment of worth or merit; an appraisal of value; the careful appraisal and study of something to determine its feasibility or effectiveness. See also: Evaluation Research, Visitor Studies	Definitions Project		
Evaluation Alternative	A systematic method for collecting, analyzing, and using information to answer basic questions.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Evaluation Research Alternative	The process of systematically and rigorously gathering data to help guide the judgment of worth or merit related to programs and/or exhibits.	Visitor Studies Association		Marcella Wells

<p>Evaluation Research Primary</p>	<p>The process of systematically and rigorously gathering data to help guide the judgment of worth or merit related to programs and/or exhibits; is distinguished from evaluation in that it is typically supported by a theoretical or conceptual framework and is often generalizable to broader contexts beyond just the study area or sample. See also, Evaluation, Visitor Studies.</p>	<p>Definitions Project</p>		
<p>Exhibit (Media) Design</p>	<p>The process of designing or conceiving exhibits and/or interpretive media for conveying educational content.</p>	<p>Visitor Studies Association</p>		<p>Marcella Wells</p>
<p>Exhibit (Media) Development</p>	<p>The process by which exhibit designs become reality.</p>	<p>Visitor Studies Association</p>		<p>Marcella Wells</p>
<p>Experiential Education</p>	<p>A philosophy and methodology in which educators purposefully engage with learners in direct experience and focused reflection in order to increase knowledge,</p>	<p>Association for Experiential Education</p>		<p>Christian Itin</p>

	develop skills and clarify values.			
Experiential Learning	A learning strategy where learners take part in activities that build on what they already know.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Explainer Primary	A person who is knowledgeable about a resource and is skilled in teaching others about that resource. See also Guide, docent , educator , etc.	Definitions Project		
Facilitator Alternative	A role for teachers that allows students to take a more active role in their learning.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Facilitator Primary	A person who encourages and enables a process, such as learning , planning and training , interpreting or teaching .	Definitions Project		
First-person	The act of portraying a	Roth, Stacy,		

<p>Living History Interpretation</p> <p>Primary</p>	<p>person from the past (real or composite). The intent of this style is to present the attitudes, briefs, viewpoints, language, and mannerisms of another period in history in a way that is immediate, entertaining, and thought-provoking. Through the portrayal of a character they create for the visitor the illusion that their historic personage has returned to life. Also known as “character interpretation” or “first-person interpretation”</p>	<p>1998, Past into Present: Effective Techniques for First-Person Historical Interpreters. University of North Carolina Press.</p> <p>ALHFAM</p>		
<p>Formal Education</p> <p>Subset with Formal Learning</p>	<p>The hierarchically structured, chronologically graded ‘education system’, running from primary school through the university and including, in addition to general academic studies, a variety of specialized programs and institutions for full-time technical and professional training.</p>	<p>(The Encyclopedia of Informal Education, 2006, http://www.infed.org/encyclopaedia.htm)</p>		<p>Gus Medina</p>
<p>Formal Interpretation</p>	<p>All scheduled presentations, personal or non-personal, that have a theme, goal and</p>	<p>Definitions Project</p>		

Primary	objective with desirable measurable outcomes.			
Formal Interpretation Alternative	All on-site, pre-planned presentations that have a theme, goal, and objective with desired measurable outcomes.	National Park Service		Lynn Murdoch
Formal Learning	Learning that takes place in a planned way at recognized institutions such as schools, colleges, universities, etc.	Butler, 2005		Marcella Wells
Formative Evaluation Primary [needs to be made more generic]	– testing an exhibit during the design, development, and fabrication process to help determine the appropriateness, effectiveness, and use by visitors; a process of visitor studies to help check assumptions during the interpretive media development process. See also: Visitor Studies, Evaluation, Evaluation Research	Definitions Project		
Formative Evaluation Alternative	Testing as an exhibit takes form to help determine the appropriateness of design, effectiveness of exhibit	(McLean, 2005).		Marcella Wells & Judy Koke

	communication, and intended use by visitors; a process to help check assumptions during the exhibition development process			
Formative Evaluation Alternative	Formative evaluation provides information about how a program or exhibit can be improved and occurs while a project is underdevelopment. Information from formative evaluation is used to make changes that improve the design of a program or exhibit	(Diamond, 1999).		Marcella Wells & Judy Koke
Formative Evaluation Alternative	Testing and modifying inexpensive prototypes during exhibition production	(Bitgood, Shettel, Williams, (199?)		Marcella Wells & Judy Koke
Formative Evaluation Alternative	Formative evaluation is designed to assess the potential of designs to communicate clear messages (Miles, 1993)	(Miles, 1993)		Marcella Wells & Judy Koke
Free Choice Learning Primary	The type of learning guided by a person's needs and interests; – learning people engage in throughout their	Institute for Learning Innovation, http://www.ilinet.		Gus Medina

	lives to find out more about what is useful, compelling or just plain interesting to them.	org/freechoicelearning.html)		
Friends Group Alternative	An organization that can assist a governmental entity to maintain its link with interested citizens, facilitate grants from foundations, and provide a ready group of volunteers that can substantially reduce the costs of operation.	The Nature Center Book-How to Create and Nurture a Nature Center in Your Community, Copyright 2004 by the National Association Interpretation, Fort Collins, CO	Other references in literature available, but no other specific definition found	Tim Sandsmark
Friends Group Primary	An advocacy organization of interested citizens as volunteers to assist agencies or organizations in building constituency support; may include revenue enhancement; Cross-reference: cooperative association.	Definitions Project		
Front-end Evaluation Primary [make more	– audience or visitor research integrated into exhibition or interpretive media development to determine the an audience’s general knowledge,	Definitions Project		

generic]	questions, expectations, experiences, learning styles and concerns regarding a topic or theme. See also: Visitor Studies, Evaluation, Evaluation Research			
Front-end Evaluation Alternative	Audience research folded into exhibition development to determine the public’s general knowledge, questions, expectations, and concerns regarding the exhibit topic.	(McLean, 2005)		Marcella Wells & Judy Koke
Front-end Evaluation Alternative	Front-end evaluation provides background information for future program planning. It can tell about visitor’s prior knowledge and experience, styles of learning, and expectations.	(Diamond, 1999)		Marcella Wells & Judy Koke
Front-end Evaluation Alternative	An analysis of the audience and their perceptions to inform the major conceptual decisions in exhibit development; thinking about visitors during the early stages of (exhibit or interpretive) planning.	(Hayward and Loomis, 1992)		Marcella Wells & Judy Koke
Front-end	Exploring the level of pre-	(Bitgood, Shettel,		Marcella Wells

Evaluation Alternative	knowledge, interests, attitudes, and misconceptions of potential visitors with respect to the subject matter and to inform the projects' final goals and objectives.	Williams, 199?)		& Judy Koke
Geography Primary	The science of place, of scale, of movement, and of spatial relationships. The study of the impact of people on the environment, and of the impact of the environment on people.	US Geological Survey		Joseph Kierski
Goal	A broad, general statement about the purpose or intent of an interpretive or educational program. See also: Logic Model	Definitions Project (assessment group)		
Goal Alternative	A broad statement of knowledge or skill to be attained within a learning area.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Goal Primary	A stated desired outcome of a process or project.	Definitions Project		

<p>Guide Primary</p>	<p>A guide is a person who is knowledgeable about a resource and is skilled in teaching others about that resource, and often accompanies visitors from place to place in the area of the resource. See also Docent, Explainer.</p>	<p>Definitions Project</p>		
<p>Heritage Primary</p>	<p>Nature and culture</p>	<p>Definitions Project</p>		
<p>Heritage Resource</p>	<p>Used interchangeably with term cultural resource. More commonly used in international situations. Synonym: cultural resource</p>	<p>Definitions Project</p>		
<p>Heritage Resources Primary</p>	<p>Natural and cultural resources</p>	<p>Definitions Project</p>		
<p>Historical Demonstrations Alternative</p>	<p>Programs that demonstrate activities such as blacksmithing, glass making, wood working, wood stove or open hearth cooking, machine or hand sewing, machine operation, historic weapons firing,</p>	<p>National Park Service</p>		<p>Lynn Murdoch</p>

	traditional skills, flint knapping, weaving, or basket making.			
Historic	A programmatic means of carrying out legislated and statutory requirements to protect items that form the historic and cultural foundations of the Nation [16 USC 470(1)(b)(2)] so that the increased	(Source: National Historic Preservation Act of 1966 (16USC470).)		Joe Watkins & Carol Ellick
Historical Demonstrations Alternative Primary	knowledge of our historic resources, the establishment of better means of identifying and administering them, and the encouragement of their preservation will improve the planning and execution of federal and federally assisted projects and will assist economic growth and development” [16 USC			

	470(1)(b)(3)].			
Historic Preservation Primary	The process or program by which historic environments such as districts, sites, buildings, structures, objects, and landscapes are protected under laws and statutes. Cross-reference: cultural resource, cultural landscapes; cultural resource management.	Definitions Project (Advisory Council on Historic Preservation)		
Home Schooling Primary	The process by which children are educated at home rather than at an institution such as a public or private school. The terms "homeschooling" or "home education" may refer to instruction in the home under the supervision of correspondence schools called "umbrella schools"	http://en.wikipedia.org/wiki/Homeschooling		Gus Medina
Human Dimensions Primary	The recognition and acceptance of human dimension factors in resource management; the interface of social science and natural resource management.	Definitions Project		
Impacts	The collective effects of	Definitions		

Primary	interpretive media or education on its intended audiences. See also: Output, Outcome, Benefit	project		
Indicator Primary	A benchmark or specific performance target used to determine success of an outcome.	Definitions project		
Informal Education Alternative	The constellation of educational and interpretive efforts, processes and settings that take place outside form K-college venues.	Visitor Studies Association		Marcella Wells
Informal Education Primary	The truly lifelong process whereby every individual acquires attitudes, values, skills and knowledge from daily experience and the educative influences and resources in his or her environment — from family and neighbors, from work and play, from the market place, the library and the mass media. Note: In the U.S., many institutions such as museums, nature centers, zoos and aquariums consider themselves	(The Encyclopedia of Informal Education, 2006, http://www.infed.org/encyclopaedia.htm)		Gus Medina

	“informal education” institutions rather than “non-formal” education institutions			
Informal Interpretation Primary	Spontaneous personal interpretive contacts with audiences within a variety of settings	Definitions Project		
Informal Interpretation Alternative	Spontaneous (not scheduled) interpretive contacts with visitors within a variety of settings	National Park Service		Lynn Murdoch
Informal Learning Environments Alternative	The places/venues/settings where, by mission, informal learning opportunities are made available to visitors.	Visitor Studies Association		Marcella Wells
Informal Learning Environments Primary	The places, venues, and settings where informal learning opportunities are intentionally made available to visitors, such as in parks or museums.	Definitions Project		
Informal Learning	Learning where visitor cognition, affect, and/or behavior may be engaged and/or impacted.	Visitor Studies Association		Marcella Wells
Informal Learning	Voluntary and self-directed learning	Butler, 2005		Marcella Wells
Interdisciplinary	A philosophy of teaching in			

Primary	which content and methods are drawn from several subject areas to examine a central theme, issue, problem, or topic.			
Interpretation Alternative	A communication process that forges emotional and intellectual connections between the interests of the audience and the meanings inherent in the resource	USFWS		Tim Merriman
Interpretation Primary	A mission-based communication process that forges emotional and intellectual connections between the interests of the audience and meanings inherent in the resource	Definitions Project NAI		
Interpreter Alternative	A person who has perfected the art and science of helping visitors make meaning and discover relevant connections to natural or cultural phenomenon.	Visitor Studies Association		Marcella Wells
Interpreter Primary	A person who employs a mission-based communication process that forges emotional and intellectual connections	Definitions Project (interpretation group)		

	between the interests of the audience and meanings inherent in the resource			
Interpreter Alternative	A person who employs the art and science of helping visitors make meaning and discover relevant connections to natural or cultural phenomena.	Definitions Project (facilities/job group)		
Interpretive Primary	Technique that assists audiences through communication media in making both emotional and intellectual connections with heritage (Hot link here) resources.	Definitions Project		
Interpretive Center Primary	An interpretive center is a facility where opportunities are provided for people to forge emotional and intellectual connections between their interests and the meanings that arise from learning about the resource. The facility may or may not be staffed, and can range in scale from a kiosk to a complex of buildings and natural sites, but always provides information about	Definitions Project		

	the natural and cultural resources.			
Interpretive Equation Primary	A visual and verbal metaphor for demonstrating the dynamic relationship between the knowledge of heritage resources, knowledge of audiences and use of appropriate interpretive techniques to create interpretive opportunities.	Definitions Project		
Interpretive Objectives Alternative	Desired, measurable outcomes of an interpretive program.	USFWS		
Interpretive Objectives Primary	Desired measurable outputs, outcomes and impacts of interpretive services	Definitions Project		
Interpretive Opportunity Primary	a place, time and experience when interpretation may occur.	Definitions Project		
Interpretive Planning Primary	The decision-making process that blends management needs and resource considerations with visitor desire and ability to pay (with time, interest, or	National Association for Interpretation		Tim Merriman

	dollars) to determine the most effective way to communicate the message to targeted markets			
Interpretive Program Alternative	Activities, talks, publications, audio-visual media, signs, and exhibits that convey key natural and cultural resource messages to visitors.	USFWS		
Interpretive Program Primary	Activities, talks, publications, audio-visual media, signs, and exhibits that convey key heritage (natural and/or cultural) resource messages to audiences.	Definitions Project		
Interpretive Services Primary	Any personal or non-personal media delivered to audiences	Definitions Project		
Interpretive Theme Alternative	A central message about a topic of interest that a communicator wants to get across to an audience	Definitions Project	From Sam Ham	
Interpretive Theme Alternative	A message or idea that clearly articulates meaning, links a tangible resource to its intangible meaning, and organizes an interpretive	Definitions Project		

	program			
Interpretive Theme Alternative	Expresses meaning, links a tangible resource to its intangible meanings, and organizes interpretive programs.	National Park Service		
Inquiry Learning Primary	Inquiry is a dynamic approach to learning that involves exploring the world, asking questions, making discoveries, and rigorously testing those discoveries in the search for new understanding. However, inquiry is a tough concept to pin down. It is complex, multifaceted, and looks different in different classrooms and contexts.	(The Inquiry Learning Forum at http://ilf.crlt.indiana.edu/.)		Gus Medina
Interdisciplinary Education Primary	Involves the integration of multiple disciplinary perspectives within a problem-solving or topical context.	Adapted from: Deborah Vess http://www.doit.gmu.edu/inventio/spring01/vess/vess.htm		Gus Medina
Junior Ranger Program Primary	Activities in which interpretive staff have some visitor contact or interaction and that are characterized by visitor use of materials	National Park Service		Lynn Murdoch

	such as questionnaires or activity booklets, and offer rewards upon completion.			
Learner Alternative	Student, client, trainee, participant	Association for Experiential Education		Christian Itin
Learner Primary	A learner is a person who is actively engaged in building meaning through acquiring knowledge and skills.	Definitions Project		
Learner Outcomes Primary	The intended result of an education program.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Learning Primary	Human learning is the disposition of human beings to engage in continuous dialogue with the human, social, biological and physical environment that lead to changes in knowledge, skills, attitudes, values and behaviors for interacting constructively with change.	(adapted from International Handbook of Lifelong Learning, 2001)		Gus Medina
Learning Styles	The philosophy that	NAAEE; Chicago		

Alternative	individuals prefer particular methods of teaching and learning	Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Learning Styles Primary	Are simply the different ways that humans learn. The three dominant being visual, auditory, and Kinesthetic.	(adapted from LD Pride, a learning disabilities website, http://www.ldpride.net/learningstyles.MI.htm)		Gus Medina
Lifelong Learning Primary	Learning throughout the life cycle, from birth to grave and in different learning environments – formal, non-formal and informal	adapted from World Bank, http://www1.worldbank.org/education/lifelong_learning/		Gus medina
Living History Alternative	The efforts of history museums, historical societies, and other educational organizations to truly engage the public with the impact of history on their lives today	Association for Living History Farms and Museums	The two major types of interactive living history interpretation are first-person and third-person.	Erik Holland
Living History	An attempt to accurately replicate the past through	Definitions		

<p>Primary</p>	<p>the use of a physical environment and the sights, sounds and smells of the period being represented. This process can incorporate a variety of interpretive styles. The two major types of interactive living history interpretation are first-person and third-person.</p>	<p>Project ALHFAM</p>		
<p>Living History Alternative</p>	<p>a simulation of life in another time for the purpose of research, interpretation, and/or play</p>	<p>Jay Anderson, 1991, "Living History" in A Living History Reader. Vol. 1, Museums, American Association for State and Local History</p>		<p>Erik Holland</p>
<p>Living History Alternative</p>	<p>An attempt to accurately replicate the past through the use of a physical environment and the sights, sounds, and smells of the period being represented.</p>	<p>Colonial Williamsburg, 1990</p>		<p>John Caramia</p>
<p>Logic Model Primary</p>	<p>An organizing tool or picture of how an interpretive or educational program works; a written sequence of ordered</p>	<p>Definitions project</p>		

	<p>program components that often includes goals, inputs, activities, outputs, and outcomes</p>			
<p>Measurement Primary</p>	<p>The assignment of numerals to objects or events according to rules; an operation resulting in standardized classifications of outcomes; in visitor studies or evaluation research, measurement often refers to the tools used to capture data about audiences or visitors and may include such things as observations, interviews, focus groups, surveys and so forth.</p>	<p>Definitions Project</p>		
<p>Media Primary</p>	<p>A carrier; i.e., of a message or pollution</p> <p><u>Audio –visual/electronic media</u> – are delivery systems for communicating a message or theme; i.e., films, IPODs, videos, interactive computer programs</p> <p><u>Environmental media</u> – are</p>	<p>Definitions project</p>		

	<p>anything that carries pollution; i.e., air, water, and waste; vehicles also are considered an environmental media in weed pollution</p> <p><u>Interpretive media</u> – are techniques for delivering an interpretive message that does not require the presence of staff. Interpretive media types are only limited by a person’s imagination.</p>			
<p>Multiple Intelligences</p> <p>Primary</p>	<p>Theory by H. Gardner that classifies cognitive abilities according to seven broadly grouped aptitudes: linguistic, logical-mathematical, spatial, bodily-kinesthetic, musical, interpersonal, and intrapersonal</p>	<p>(adapted from T. Armstrong, 2006, http://www.thomasarmstrong.com/multiple_intelligences.htm)</p>		<p>Gus Medina</p>
<p>Museum</p> <p>Primary</p>	<p>A museum is a permanent facility containing a collection, open to the public, with at least one professional that houses and educates others about the collection.</p>	<p>Definitions Project</p>		

<p>Museum Educator Alternative</p>	<p>Specialist who helps museums fulfill their educational mission. of learning</p>	<p>Excellence in Practice: Museum Education Principles and Standards, 2005 Standing Professional Committee on Education, AAM</p>		<p>Jim Hakala</p>
<p>Museum Educator Primary</p>	<p>A specialist who is trained to further the public’s understanding of the natural, cultural, and historical collections and mission of a museum.</p>	<p>Definitions Project</p>		
<p>Naturalist Alternative</p>	<p>One versed in natural history, especially in zoology or botany</p>	<p>The American Heritage® Dictionary of the English Language, Fourth Edition Copyright © 2000 by Houghton Mifflin Company</p>	<p>A variety of other very similar definitions were provided from a number of other sources. None seemed to bring any industry-specific nuance to the term.</p>	<p>Tim Sandsmark</p>
<p>Naturalist Primary</p>	<p>A naturalist is a person who is knowledgeable in and often educates others in the characteristics, processes, and history of the natural environment. A person who is an advocate of the</p>	<p>Definitions Project</p>		

	doctrine that the world can be understood in scientific terms. A person who studies nature, including landscapes, plants, and animals, usually in their natural surroundings.			
Natural Resources	No specific definition found.			Amy Galperin
Nature Center	Brings environments and people together under the guidance of trained professionals to experience and develop relationships with nature; consists of	ANCA		
Nature Center Primary	A nature center is a facility that brings environments and people together under the guidance of trained professionals to experience and develop relationships with nature. A nature center serves its local community and fosters sustainable connections between people and their local environment. See also Discovery Center, Interpretive Center, Visitor Center.	Definitions Project ANCA		
Needs	A systematic process for	Definitions		

<p>Assessment Primary</p>	<p>determining the needs of a defined population; the process of researching needs, available services, and service gaps by population and geographic area. See also: Audience Research, Demand Analysis.</p>	<p>Project</p>		
<p>Needs Assessment Alternative</p>	<p>Process of determining an audiences’ needs by survey, interview, focus group, etc.</p>	<p>NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development</p>		
<p>Non-formal Education Primary</p>	<p>Any organized educational activity outside the established formal system — whether operating separately or as an important feature of some broader activity — that is intended to serve identifiable learning clienteles and learning objectives. Note: In the U.S., many institutions such as museums, nature centers, zoos and aquariums</p>	<p>(The Encyclopedia of Informal Education, 2006, http://www.infed.org/encyclopaedia.htm)</p>		<p>Gus Medina</p>

	consider themselves “informal education” institutions rather than “non-formal” education institutions.			
Non-formal Learning	Planned, but highly adaptable learning in institutions, organizations, and situations that may be traditionally recognized as formal or informal education organizations as well as other community-based organizations.	Butler, 2005		Marcella Wells
Non-personal Interpretation Primary	Interpretive media that do not require a person who delivers (i.e. exhibits, waysides, brochures, signs, magazines, books, etc.)	Definitions Project	See also Interpretation	
Objective Alternative	A statement of a specific measurable or observable results desired from an activity	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Objective Primary	A statement of a specific, measurable, and observable result desired from an	Definitions project (assessment		

	educational or interpretive activity or experience; a stated expectation about audience, behavior, condition, degree that will result from a learning experience. See also: Cognitive, Affective, Psychomotor, Logic Model	group)		
Objective	A desired and measurable output which supports your goal. Cross-reference: goal.	Definitions Project		
Off-site Program Primary	A program conducted away from the practitioner's place of work.	Definitions Project		
Outcome Primary	the affective, cognitive, or psychomotor change in a learner as a result of a program or activity; what a learner does, thinks, or feels as a result of an interpretive experience; change in behavior, skills, knowledge, attitudes, values, or condition after participating in a learning activity or experience. See also: Logic Model, Objective	Definitions Project		

<p>Outcome-based Education Alternative</p>	<p>An integrated system of education programs that aligns specific student outcomes, instructional methods, and assessment</p>	<p>NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development</p>		
<p>Outcome-Based Education Primary</p>	<p>OBE specifies the "outcomes" learners students should be able to demonstrate upon leaving the system. These outcomes are derived from a community vision of the skills and knowledge learners students need to be effective citizens adults. OBE focuses educational practice on ensuring that learners students master those outcomes, and it asserts that all learners students can succeed.</p>	<p>Gwennis McNeir IC Digest 85 November 1993. Outcome-Based Education. http://eric.uoregon.edu/publications/digests/digest085.html</p>		<p>Gus Medina</p>
<p>Outcome-based Evaluation Primary</p>	<p>Evaluation or visitor studies that focuses on measurable learner visitor outcomes rather than outputs. See also: Outputs, Outcomes, Logic Model</p>	<p>Definitions Project</p>		

<p>Outdoor Classroom Alternative</p>	<p>Sites of structured environmental education activities that focus on the natural environment and cultural resources, come from an approved course of study with identified learner outcomes, and involve hands-on programs in the Refuge System.</p>	<p>USFWS</p>		
<p>Outdoor Classroom Primary</p>	<p>Outside sites where structured educational activities that focus on the natural environment and cultural resources occur.</p>	<p>Definitions Project</p>		
<p>Outdoor Education Primary</p>	<p>Education in, for, and about the outdoors. Term is often used synonymously with adventure-based education and environmental education.</p>	<p>- Donaldson & Donaldson, 1958, Outdoor Education: A definition. JOPER, 29(17), 63)</p>		
<p>Output Primary</p>	<p>Measurable, observable results of a program or service that can be counted as numbers or dollars; direct products of activities measured in units. See also: Logic Model</p>	<p>Definitions Project</p>		

Outreach Primary	The communication of the organization's mission and goals to a wide variety of audiences usually away from the organization's offices, sites or properties	Definitions Project		
Outreach Alternative	The active communication of the organization's mission and goals to a wide variety of audiences, including news media, educators, students, the general public, scientists, legislators, and others	US Geological Survey		Joseph Kierski
Performance Measure Primary	A benchmark or specific performance target used to determine success of an outcome.	Definitions Project		
Performing Arts	Programs which offer activities such as storytelling, poetry reading, dance, drama, music, concerts, art shows, or artists in parks	National Park Service		Lynn Murdoch
Personal Interpretation Primary	One person or persons interpreting to another person or persons.	Definitions Project	See also Interpretation	
Place-based Learning	Place-based learning (or education) uses the concrete	Project Learning Tree and from	often used interchangeably with a number of other,	Kathy McLaughlin

<p>Primary</p>	<p>experience of understanding a local place as the foundation for learning more abstract concepts. Curriculum materials that support place-based learning guide learners students in community-based projects and investigations, where learners students have the opportunity to explore what is happening in their own community, understand its needs, and make real-world decisions that impact it</p>	<p>"Phase Two Evaluation of The Connecting Schools to People and Place Program 2004-2005" , September 1, 2005.</p>	<p>similar terms: community-based learning, service-learning, project-based learning. Each of these terms refers to an explicit connection between the school and the community in which the school resides.</p>	
<p>Place-Based Teaching Primary</p>	<p>Is a teaching process that uses the local environment and community as the context for learning.</p>	<p>(Green School Education Center at Salmon Creek School, Harmony Union School District, Occidental, CA [http://www.harmony.k12.ca.us/greenschool/placebased.shtml])</p>		<p>Gus Medina</p>
<p>Preservation Alternative</p>	<p>The act of preserving, or keeping in safety or security from harm, injury, decay, or destruction.</p>	<p>Handbook for Museums, Gary Edson and David Dean, Routledge</p>		<p>Jim Hakala</p>

		Press, 1996		
Preservation Primary	The act of protecting a resource for future generations. See also: Cross-reference: conservation; stewardship.	Definitions Project		
Problem-Based Learning Primary	An approach to curriculum and teaching that involves learners students in solution of real-life problems rather than conventional study of terms and information.	ASCD - A Lexicon of Learning)		Gus Medina
Professional Development Alternative	Improving one’s career path through training and coursework, usually linked to a degree or salary step criteria	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Professional Development Primary	A process of learning and keeping up to date in ones area of expertise. The process of progressing in ones chosen career through continuing education and training. Cross-reference: Training	Definitions Project		
Program	Any type of organized, topic-specific presentation	Definitions Project		

<p>Primary</p>	<p>or other delivery of information</p> <p><u>Community/outreach program</u> – is a program that:</p> <ol style="list-style-type: none"> 1. occurs outside of the establish facility or land base 2. is designed for a broad audience within a geographic community <p><u>Education program</u> – is a program that is comprehensive, curriculum based, conducted on or off site for all ages</p> <p><u>Environmental education program</u> – is a program that aims to develop an environmentally literate citizen who has the skills, knowledge, and inclination to make well-informed choices as a member of a community (See also NAAEE definition from Tbilisi Declaration)</p> <p><u>Interpretive program</u> – is a program that helps accomplish the communication goal that forges emotional and</p>			
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	<p>intellectual connections between an audience and meanings inherent in the resources</p> <p><u>Junior Ranger program</u> – is a program that engages young people in age appropriate activities and learning and provides a tangible memento for participation</p> <p><u>Performing Arts program</u> – is a program that offers opportunities for learners to explore resources using creative skills (i.e., storytelling, poetry reading, dance, drama, music, et al)</p> <p><u>Project-based education program</u> (also known in the EE field as issues investigation) – is an instructional strategy that involves students in investigating issues and proposing solutions while integrating subjects across the curriculum</p> <p><u>Recreation interpretive program</u> – is a program that offers opportunities for</p>			
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	<p>people to improve their outdoor skills (i.e., how to correctly pack a backpack; rockclimbing, snowshoeing, Leave No Trace, Tread Lightly)</p> <p><u>Safety skill demonstration program</u> – is a program that shows people how to safely enjoy the outdoors (i.e., carrying the right amount of water, boating and hunting safety, how to build a fire)</p> <p><u>Scientific demonstration program</u> – is a program that enables the participant to test specific hypotheses using the scientific method (i.e., water and soil sampling, weather studies)</p> <p><u>Special event</u> – is an event that celebrates a topic or theme, involves the community, and occurs outside of regularly scheduled programming</p>			
<p>Project-based Education</p> <p>Primary</p>	<p>An instructional strategy that involves students in investigating issues and solving problems, while integrating subjects across</p>	<p>NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for</p>		

	the curriculum.	Supervision and Curriculum Development		
Project-based Learning Primary	<p>“Project-Based Learning (PBL) is a structure that transforms teaching from “teachers telling” to “students doing.” PBL is defined as:</p> <ul style="list-style-type: none"> • Engaging learning experiences that involve students in complex, real-world projects through which they develop and apply skills and knowledge • A strategy that recognizes that significant learning taps students’ inherent drive to learn, their capability to do important work, and their need to be taken seriously • Learning in which curricular outcomes can be identified up-front, but in which the outcomes of the student learning process are neither predetermined 	<p>(Flanagan, Ruth; Education and the Environment: Partners for Change; 2006) Published on the web by the Environmental Education and Training Partnership at (http://eetap.org/media/pdf/PartnersFINAL_4_5_06.pdf)</p>		

	<p>nor fully predictable</p> <ul style="list-style-type: none"> • Learning that requires students to draw from many information sources and disciplines in order to solve problems • Experiences through which students learn to manage and allocate resources such as time and materials <p>In PBL, learning is connected, or reconnected, to the real world so that it is meaningful and memorable.”</p>			
<p>Psychomotor Primary</p>	<p>An attribute of human experience that describes behaviors, skills, action; often used to describe learning objectives and/or outcomes. See also: Outcome, Objective</p>	<p>Definitions Project</p>		
<p>Public Affairs Alternative</p>	<p>A catch-all term that includes public policy as well as public administration, both of which are closely related to and draw upon the fields of</p>	<p>No single source listed</p>		<p>Kristen Nelson</p>

	political science as well as economics.			
Public Affairs Primary	An effort to affect public opinion and perceptions on public policy issues; public affairs builds awareness and helps to shape public opinion via communications and strategies designed to influence the public's knowledge .	Definitions Project		
Public Archaeology Alternative	Archaeological activity aimed at creating an informed public and conserving the archaeological record.	(Source: Ancient Lives: An Introduction to Archaeology and Prehistory by Brian Fagan. Second Edition. Pearson Education Inc., Prentice Hall, The Lindbriar Corp. 2004)		Carol Ellick & Joe Watkins
Public Archaeology Primary	A process for including the public in or for creating outreach and educational materials based upon the information gleaned from archaeological activity; Another term for cultural resource management.	Definitions Project		

	Cross-reference: cultural resource management.			
Public History Primary	A process for making the public aware of the value, uses, and pleasures of history and to engage the public in historical activities.	Definitions Project		
Recreation Safety/Skill Demonstrations Primary	Programs dealing with activities such as safe boating, fishing, backpacking, rock climbing, snowshoeing, or bird watching	National Park Service		Lynn Murdoch
Remedial Evaluation Alternative	The assessment of how all individual parts work together as a whole	(Koke, 2006).		Marcella Wells & Judy Koke
Remedial Evaluation Primary	The assessment of how all individual parts of an exhibition of interpretive educational effort project work together as a whole in order to improve educational outcomes the exhibit's impact on visitors. See also: Visitor Studies, Evaluation, Evaluation Research	Definitions Project		
Remedial	Similar to formative	(Screven, Shettel,		Marcella Wells

<p>Evaluation Alternative</p>	<p>evaluation, remedial evaluation trail tests exhibit elements in order to improve the exhibit's impact on visitors. It occurs after the exhibit has been installed</p>	<p>Bitgood, 1993).</p>		<p>& Judy Koke</p>
<p>Research Research</p>				
<p>Resource issue Interpretation Alternative</p>	<p>An interpretive communications process that uses science-based resource condition assessments and findings to deliver specific stewardship messages to target or general audiences with the desired outcome of bringing specific resource issues to resolution.</p>	<p>Definitions Project</p>		
<p>Resource Issue Interpretation Primary</p>	<p>Consists of identifying an issue, determining an appropriate message, identifying target audience(s) and selecting appropriate interpretive techniques to accomplish resource protection.</p>	<p>NPS</p>		

<p>Rubric Alternative</p>	<p>Specific criteria or guidelines used to evaluate student work</p>	<p>NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development</p>		
<p>Rubric Primary</p>	<p>Specific criteria or guideline used to evaluate learner outcomes. See also Measurement.</p>	<p>Definitions Project</p>		
<p>Scientific Demonstration</p>	<p>Programs dealing with activities such as water sampling, microscope investigations, bird banding, archeology, soil sampling, weather studies, geology demonstrations, or flora/fauna population densities.</p>	<p>National Park Service</p>		<p>Lynn Murdoch</p>
<p>Self-directed Learning Primary</p>	<p>The process whereby the individual takes the initiative and the responsibility for learning. Individuals select, manage, and assess their own learning activities, which can be pursued at any time, in any place, through any means, at any age.</p>	<p>adapted from Self Directed Learning website, http://www.selfdirectedlearning.com/</p>		<p>Gus Medina</p>

Service Learning Alternative	Learning in which the learner student takes part in a project or activity that is beneficial to some segment of the community and has direct links to the curriculum	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Service Learning Primary	A teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities.	National Service Learning Clearing House http://www.servicelearning.org/who_we_are/media_guide/index.php#1		Gus Medina
Social Marketing Primary	The application of commercial marketing concepts and techniques to target populations to achieve the goal of positive social change.	Wikipedia	Social marketing began as a formal discipline in 1971, with the publication of the first edition of Social Marketing[1] by marketing experts Philip Kotler and Eduardo L. Roberto.	Tim Merriman
Social Marketing Alternative	A marketing message designed to promote a social concern or political idea as well as a product.	www.glencoe.com/sec/busadmin/marketing/dp/ad_serv/gloss.shtml		Tim Merriman
Social Marketing Alternative	The use of marketing principles and techniques to influence a target audience	nccanch.acf.hhs.gov/admin/glossaries.cfm		Tim Merriman

	to voluntarily accept, reject, modify or abandon a behavior for the benefit of individuals, groups or society as a whole.			
Special Events	Any event on-site, typically held once a year and open to the public, that involves or uses interpretive or park resources for planning, coordination or services, and that is developed and presented to commemorate an anniversary or dedication, or to showcase a topic or theme	National Park Service		Lynn Murdoch
Stakeholder Primary	A stakeholder is a person who has a vested interest in a place, program, or a process. See also Interpretive Planning.	Definitions Project		
Standards Alternative	Statement of what students should know and be able to do.	NAAEE; Chicago Wilderness and Lake County Forest Preserves; Association for Supervision and Curriculum Development		
Standards	In current usage, the term	ASCD - A		Gus Medina

<p>Primary</p>	<p>usually refers to specific criteria for what students are expected to learn and be able to do. These standards usually take two forms in the curriculum:</p> <ul style="list-style-type: none"> • Content standards (similar to what were formerly called goals and objectives), which tell what students are expected to know and be able to do in various subject areas, such as mathematics and science. • Performance standards, which specify what levels of learning are expected. Performance standards assess the degree to which content standards have been met. The term "world-class standards" refers to 	<p>Lexicon of Learning)</p>		
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	the content and performances that are expected of students in other industrialized countries. In recent years, standards have also been developed specifying what teachers should know and be able to do.			
Stewardship Alternative	The science, art and skill of responsible and accountable management of resources.	www.ccfm.org/ci/gloss_e.html		Tim Merriman
Stewardship Alternative	The concept that mankind has an ethical responsibility to care for plants, animals, and the environment as a whole, due to our superior intellect and power to change the natural world.	www.environment.nelson.com/0176169040/glossary.html		Tim Merriman
Stewardship Primary	An ethic of caring for, protecting, and responsibly managing resources. Cross-reference: conservation; preservation	Definitions Project		
Stewardship	Caring for land and associated resources and	www.for.gov.bc.ca/hfd/library/docu		Tim Merriman

Alternative	passing healthy ecosystems to future generations.	ments/glossary/S.htm		
Stewardship	Responsibility for taking good care of resources entrusted to one.	en.wikipedia.org/wiki/Stewardship		Tim Merriman
Alternative				
Summative Evaluation	Examining people’s experiences in an exhibition once it is completed to help the project team determine whether the objectives of the exhibition have been met and to help determine which design and communication theories are effective (or not) and could be used (or not) in future exhibitions	(McLean, 2005).		Marcella Wells & Judy Koke
Summative Evaluation	Examining people’s experiences with completed interpretive media to determine whether the objectives of the media have been met; visitor studies conducted after an interpretive or educational project is completed to describe the impacts of the project. See also: Visitor Studies, Evaluation, Evaluation Research	Definitions Project		

<p>Summative Evaluation</p>	<p>Summative evaluation is conducted after a project is completed and tells about the impact of that project. It can be as simple as a head count of program attendance or as complex as a study of what visitors learned</p>	<p>(Diamond, 1999).</p>		<p>Marcella Wells & Judy Koke</p>
<p>Summative Evaluation</p>	<p>A method of testing whether or not the exhibit is accomplishing its original objectives using visitor input and with no plans for making changes.</p>	<p>(Screven, Shettel, Bitgood, 1993).</p>		<p>Marcella Wells & Judy Koke</p>
<p>Teach</p>	<p>1. To impart knowledge or skill to: teaches children. 2. To provide knowledge of; instruct in: teaches French. 3. To condition to a certain action or frame of mind: teaching youngsters to be self-reliant. 4. To cause to learn by example or experience: an accident that taught me a valuable lesson. 5. To advocate or preach: teaches racial and religious tolerance.</p>	<p>The American Heritage® Dictionary of the English Language, Fourth Edition Copyright © 2000 by Houghton Mifflin Company.</p>		<p>Kathy McLaughlin</p>

	6. To carry on instruction on a regular basis in: taught high school for many years.			
Teachable Moment	A recognized serendipitous occurrence that may lead to an interpretive opportunity.	Definitions Project		
Primary				
Teacher	a person whose occupation is teaching [syn: instructor]	WordNet ® 2.0, © 2003 Princeton University		Kathy McLaughlin
Alternative	2: a personified abstraction that teaches; "books were his teachers"; "experience is a demanding teacher"			
Teacher	A person whose role is interpreting, explaining, training, and imparting knowledge and skills about people, places, objects, processes, and relationships with a goal to build meaning in the minds of learners.	Definitions Project		
Primary				
Teaching Strategies	“The various aspects of sequencing and organizing the content, specifying learning activities, and deciding how to deliver the content and activities.”	Dick, W., Carey, L., & Carey, J. O. (2001). The systematic design of instruction (5th ed.). New York: Addison Wesley Longman. (p. 184).		Gus Medina

<p>Third Person Interpretation Primary</p>	<p>A mode of living history interpretation, whether costumed or not, in which the interpreter remains contemporary to the audience. Rather than becoming one with the past, the interpreter maintains a historical distance and is analytical and descriptive of the period being represented. This mode of interpreting places interpreters squarely in the role of historians – looking at the past from an objective viewpoint and within a context relative to events before and after the period being interpreted. The third-person interpreter uses quotes, terminology and activities of the past, not in imitation, but as artifact in and of themselves; aspects of the past that can be examined with as much validity as any three-dimensional object.</p>	<p>Definitions Project ALFHAM’s Living History PIG</p>		
<p>Third-person Living History</p>	<p>Informative, often interactive talks and</p>	<p>Roth, Stacy, 1998, Past into</p>	<p>Sometimes referred to as “costumed interpretation”</p>	

Interpretation	demonstrations by interpreters who may be dressed in period attire but do not assume character roles	Present: Effective Techniques for First-Person Historical Interpreters. University of North Carolina Press		
Training Alternative	The directed activity with an aim to improve the skills, knowledge, and abilities of specific audiences to be able to make more informed decisions after the activity has occurred.	US Geological Survey		Joseph Kierski
Training Primary	The systemic process of developing knowledge, skills, abilities, and attitudes for current or future jobs through formal or informal learning experiences. Cross-reference: professional development	Definitions Project		
Underserved	provided with inadequate service	Merriam-Webster		
Visitor Center Primary	A facility, open to the public that provides information about the area's natural and cultural resources. A visitor center	Definitions Project		

	may contain exhibits, visitor facilities, and interpretive information.			
Visitor Contact Station Primary	A visitor contact station is Any location, ranging from a table, a kiosk, to a building where people can obtain information about a natural or cultural resource.	Definitions Project		
Visitor Studies Alternative	The interdisciplinary study of human experiences within informal learning settings.	Visitor Studies Association draft, 2006		Marcella Wells & Judy Koke
Visitor Studies Primary	The interdisciplinary study of human experiences within informal education learning settings; the systematic collection and analysis of information or data to inform decisions about interpretive exhibits and programs; measuring or assessing the effects of museum exhibitions and/or interpretive programs and media on learners. See also: Evaluation, Evaluation Research	Definitions Project		

Volunteer Alternative	An individual, who performs hours of service for a public agency for civic, charitable, or humanitarian reasons, without promise, expectation or receipt of compensation for services rendered, is considered to be a volunteer during such hours.	US Department of Labor		Tim Sandsmark
Volunteer Primary	A volunteer is an individual who performs services for an organization for civic, charitable, or humanitarian reasons, without promise, expectation, or receipt of compensation for services rendered.	Definitions Project		
Volunteer Alternative	A person who voluntarily offers himself for a service or undertaking; a person who performs a service of his own free will.	Webster's Unabridged Dictionary of the English Language, Portland House, New York, copyright 1989		Tim Sandsmark
Wilderness Education	A broad term, which can be used to refer to educational experiences, which are	http://www.wilderness.com/Wilderness.html		

<p>Primary</p>	<p>conducted in the wilderness (an outdoor expedition) and/or are about the wilderness (e.g., an indoor class about the biosystem. Term is often used synonymously with either outdoor education and environmental education.</p>			
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