

Polar Climate Educational Book / Web Resources

Activity Title	url	Resource		Audience	Author/Inst itution	Activity Description	Comment	GOAL	Focus
		Book	Web site						
Arctic Climate Research, U of Illinois	<a href="http://arctic.atmos.uiuc.edu/">http://arctic.atmos.uiuc.edu/</a>		X	researchers, general	Univ. of Illinois	portal for research from the university	directed more to the technically literate	provide their research to the broader community	science and education community
Arctic Portal	<a href="http://portal.inter-map.com/#mapID=26&amp;groupID=&amp;z=1.0&amp;up=0.0&amp;left=0.0">http://portal.inter-map.com/#mapID=26&amp;groupID=&amp;z=1.0&amp;up=0.0&amp;left=0.0</a>		X	general	ARCUS	portal of various Arctic maps	A great interactive set of maps of the Arctic - multiple topics	A visualizing tool for viewing Arctci data	Adults
CAMEL, Climate Adaptation, Mitigation, E--Learning	<a href="http://www.camelclimatechange.org/resources/?topic=66182">http://www.camelclimatechange.org/resources/?topic=66182</a>		X	9-16,	multiple	Reviewed collection of climate educ. pieces	A collection of climaet activities, some are polar, somre are broader	pull together some of the best climate resources	Teaching tools & resources
CLEAN - Climate Literacy & Energy Awareness Network	<a href="http://cleanet.org/">http://cleanet.org/</a>		X	9-16, teachers	Reveived as part of the CLEAN project	portal of reviewed climate focused curriculum	Searchable database of activities and curriculum	curriculum that has been reviewed and approved as scientifically accurate& high quality etc.	HS & up
Climate Change from Pole to Pole	<a href="http://www.nsta.org/store/product_detail.aspx?id=10.2505/9781933531236">http://www.nsta.org/store/product_detail.aspx?id=10.2505/9781933531236</a>	X		9-16,	Constible, Sandro & Lee through NSTA	Activity based	Biology focused suite of polar activities	Include real polar research and findings in science instruction	Focus on data and real science topics and issues
Climate Change:Connections & Solutions, Grades 9-12	<a href="http://www.facingthefuture.org/Curriculum/BuyCurriculum/ClimateChangeGrades912/tabid/454/Default.aspx">http://www.facingthefuture.org/Curriculum/BuyCurriculum/ClimateChangeGrades912/tabid/454/Default.aspx</a>	X		HS	Facing the Future	Activity based	Lessons are all downloadable and focus on a mix of activities (inquiry) and professional data with a policy section at the end.	Students learn about climate change within a systems framework, examining interconnections among environmental, social, and economic issues.	This two-week curriculum unit for grades 9-12 encourages students to think critically about climate change and to collaborate to devise solutions.
Connect the Dots by Mary Miss	<a href="http://www.marymiss.com/index.html">http://www.marymiss.com/index.html</a>		X	general	Mary Miss, Artist	blue dots located throughout the city	locating a Sea Level rise line	bring immediate recognition to the problem	General public awareness

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Engaging Students Through Global Issues:Activity-Based Lessons and Action Projects	<a href="http://facingthefuture.org/Curriculum/EngagingStudentsThroughGlobalIssues/tabid/456/Default.aspx">http://facingthefuture.org/Curriculum/EngagingStudentsThroughGlobalIssues/tabid/456/Default.aspx</a>	X		MS & HS	Facing the Future	Activity based		Teach about facing the future through global issues	
EPA Greenhouse Gas Equivalency Calculator	<a href="http://www.epa.gov/cleanenergy/energy-resources/calculator.html">http://www.epa.gov/cleanenergy/energy-resources/calculator.html</a>		X	general	EPA	Calculate your Greenhouse gas emissions	A way to calculate your impact in terms of your GHG emissions	Handy tool to help individuals keep track of impacts	public awareness
Federal Resources for Educational Excellence (FREE)	<a href="http://free.ed.gov/subjects.cfm?subject_id=155">http://free.ed.gov/subjects.cfm?subject_id=155</a>		X	9-16, General	FREE	film, visualizations	includes research programs, videos, visualizations etc. generated by federal agencies	Resource bank for educators	A sorted bank of resources
Highwaterline	<a href="http://www.highwaterline.org/">http://www.highwaterline.org/</a>		X	general	Eve Mosher, Artist	highwater line chalked around Manhattan for SLR	Educational handouts designed for the general public - good interactive	go out to the public to bring them to look at the issues	public engagement and awareness
IPY STEM Connections: Polar Connections	<a href="http://umassk12.net/ipy/materials/">http://umassk12.net/ipy/materials/</a>		X	9-16, General	UMass	varid: ppts, films,games	Some of these resources have been catalogued separately	Resource bank -	Designed for teachers as a support to summer workshop
NOAA Climate Services - also has some climate-related webinars for Teachers, college age	<a href="http://www.climate.gov/#education/professionalDevelopment">http://www.climate.gov/#education/professionalDevelopment</a>		X	undergrad, teacher	NOAA	webinar on response of mammals, ecosystems in polar regions to climate	Offered by scientists - Good current information	Overview of impacts for adults population - mainly teachers & educators	Bring current science research info. To education
NSIDC	<a href="http://nsidc.org/arcticeicenews/">http://nsidc.org/arcticeicenews/</a>		X	general	NSIDC and multiple contributors	portal for polar data	excellent source of data from cryospheric research	single source of data	science and education community

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NSTA Learning Center polar resource list	<a href="http://learningcenter.nsta.org/products/symposia_seminars/fall07/IPY_birmingham/webseminarII.aspx">http://learningcenter.nsta.org/products/symposia_seminars/fall07/IPY_birmingham/webseminarII.aspx</a>		X	9-16, General	NSTA	a list of polar resources	generalized listing	Resource bank for teachers	Designed for teachers as a support to IPY webinar
Polar Education Internet Resources,	<a href="http://www.scribd.com/doc/70616947/Polar-Education-Internet-Resources">http://www.scribd.com/doc/70616947/Polar-Education-Internet-Resources</a>		X	general	Scribd	Portal of Polar Education Websites, resources and activities	A useful portal of great polar data and resources	Provide a clearing house for polar education pieces	centralized location for outreach
Polar Trec Climate Resources	<a href="http://www.polartrec.com/resources/find/results/climate%20change">http://www.polartrec.com/resources/find/results/climate%20change</a>		X	9-16,	Polar Trec	compilation of polar trec resources	Searchable database of activities and curriculum	Arctic resources	HS focus but some will scale up
Rising Currents	<a href="http://www.moma.org/visit/calendar/exhibitions/1031">http://www.moma.org/visit/calendar/exhibitions/1031</a>		X	general	MOMA & P.S. 1 Contemporary Arts Center	Exhibit	Focus on SLR and the impact on NYC coastline	Call attention to the need to plan in the future - not focus on the immediate but plan for the next 100 plus years	work with architects to put a focus on envisioning the future
SCAR- Scientific Committee on Antarctic Research	<a href="http://www.scar.org/about/capacitybuilding/antarcticeducation/">http://www.scar.org/about/capacitybuilding/antarcticeducation/</a>		X	9-16, General	SCAR science community	compilation of resources and websites	very comprehensive education list	Serve as a portal for Antarctic education	various ages and resource types
Teacher's Domain	<a href="http://www.teachersdomain.org/browse/?fq_hierarchy=k12.sci.ess.watcyc.climate">http://www.teachersdomain.org/browse/?fq_hierarchy=k12.sci.ess.watcyc.climate</a>		X	9-16, teachers	Teacher's Domain	compilation of resources developed by Teacher's Domain, science based	Searchable database of activities and curriculum	resources that have attached curriculum	teacher easy access to resources
The Plunge Project	<a href="http://plungelondon.com/">http://plungelondon.com/</a>		X	general	Michael Pinsky, Artist	LED Blue circles around London	Imaging 1000 years in the future London artist locates LED blue circles to represent SLR	Make visible the issue of SLR	public engagement and awareness

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Wright Center - IECWS -	<a href="http://www.tufts.edu/as/wright_center/iecws/materials_wright_dev.html">http://www.tufts.edu/as/wright_center/iecws/materials_wright_dev.html</a>		X	9-16, General	Tufts Univ.	varid: ppts, films,games	Some of these resources have been catalogued separately	Resource bank -	Wide range of glaciers, climate and landscape based resources