

Festival of Science In-school Speakers 2008									
Participant Name	Phone	Email	Organization	Presentation Title	Presentation Description	Age Group (grades)	Audience size	Presentation Length	Special Requirements
Bohlen, Robert	556-9161 x0	<a href="mailto:robert.bohlen@noaa.gov">robert.bohlen@noaa.gov</a>	NWS	Weather Awareness and Lightening Safety	How weather works with emphasis on weather safety and related topics of electricity and magnetism. Science experiments provided with pictures and videos.	4-8	20-50	1 class period	white board, projector screen
Colbath, Kent	714-392-1397	<a href="mailto:scolecodoc@gmail.com">scolecodoc@gmail.com</a>		1) Fun with Fossils; 2) Shake, Rattle and Roll	1) Learn basics of fossils with specimens from MNA. Includes making a dinosaur trackway using tracings from a real dinosaur track; 2) An introduction to earthquake science and hazards using meter sticks slinkies, and a seismograph	1) 2-3; 2) 5-6	1 class	1 class period	VCR/monitor; PowerPoint projector
Fitzgibbon, Bobbe	556-2072	<a href="mailto:bfitzgibbon@fs.fed.us">bfitzgibbon@fs.fed.us</a>	USFS	Zoom With the Insects	Speaker will bring live insects in vials along with equipment she uses as a beekeeper and entomologist. Insects are portrayed in a more neutral to positive manner giving students a feel for their place in the environment.	4-6	30-40	1 class period	table for insects and equipment
Grim, Norman	523-7218	<a href="mailto:norman_grim@nau.edu">norman_grim@nau.edu</a>	NAU - Biology Dept	The Amazing and Magical World of Ciliated Protozoa: How They Help Us	An introduction to those amazing and tiny ciliated protozoa. Several very new features about how they have helped us learn very important things about our bodies are included this year.	4-12	1-2 classes	40-50 minutes	VCR/monitor; slide projector w/ remote
Hamburg, Stacey	774-6514	<a href="mailto:stacey.hamburg@sierraclub.org">stacey.hamburg@sierraclub.org</a>	Sierra Club	1) Arizona Water Wise; 2) Living at the Edge: Climate Change and the Grand Canyon Ecoregion	1) Hands-on activity demonstrating how water use impacts the Colorado River and regional seeps and springs. Students will begin to think about the importance of water; 2) Presentation on the impacts of climate change on the northern Arizona environment with discussion on how we can all be part of the solution.	1) 4-12; 2) 9-12	1 class	1 class period	1) none; 2) screen
Hough, Ian	638-7659	<a href="mailto:ian_hough@nps.gov">ian_hough@nps.gov</a>	NPS-Grand Canyon	Archaeology of the Grand Canyon	Presentation will cover 12,000 years of human history at Grand Canyon National Park, how we study archaeology today and how to become an archaeologist	7-12	1 class	1 class period	none
Keszthelyi, Laszlo	556-7002	<a href="mailto:laz@usgs.gov">laz@usgs.gov</a>	USGS	Volcanoes in our Solar System	PowerPoint tour of the Solar System looking at volcanoes found throughout. Talk can be tailored to emphasize features near Flagstaff or the Solar System in general	K-12	1 class	1 class period	PowerPoint equipment
Klimowski, Brian	556-9161 x222	<a href="mailto:brian.klimowski@noaa.gov">brian.klimowski@noaa.gov</a>	NWS	All About Weather	Basics of weather including instrumentation, how the NWS makes forecasts, and weather experiments	4-6	10-40	1 class period	none

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Lewis, Paula	928-202-1325	<a href="mailto:paula@gcwoolfrecovery.org">paula@gcwoolfrecovery.org</a>	GC Wolf Recovery Program	Benefits of Wolves in the Grand Canyon Region	Interactive presentation on why the Mexican wolf belongs in the Grand Canyon. Also learn about the benefits of this endangered species.	4-12	1 class	1 class period	none
Moan, Jaina	380-7563	<a href="mailto:jaina.moan@nau.edu">jaina.moan@nau.edu</a>	NAU-Engineers Without Borders	1) Water Filtration; 2) Solar Demonstration; 3) Water in a Ghanaian Village	1) Learn how to purify water using simple and appropriate technology. Slow sand water filtration demonstration; 2) A solar powered water fountain demonstration; 3) Learn how NAU students have helped bring simple and sustainable water to a rural Ghanaian village	1) 4-8; 2) 4-8; 3) K-12	1 class	1 class period	none
Nelson, Mansel	523-1275	<a href="mailto:mansel.nelson@nau.edu">mansel.nelson@nau.edu</a>	NAU-ITEP	1) Introduction to GPS; 2) Water Issues in the Flagstaff Area	1) Activities and presentation on how scientists and engineers use GPS to enhance their work; 2) Learn about watershed protection, groundwater protection, water quality.	4-12	1 class	1 class period	none
Strohmeier, Brenda	556-2185	<a href="mailto:bstrohmeier@fs.fed.us">bstrohmeier@fs.fed.us</a>	RMRS	1) Fire in the Forest; 2) Birds in the Woods; 3) Zoom with the Raptors	1) Fire often zooms through our forests; learn why and how fire can be good and bad; 2) Zoom through the trees and learn about cavity nesting birds; 3) Wouldn't it be cool to fly like raptors? Learn how scientists track raptors in forests surrounding Flagstaff using telemetry and other equipment.	1) K-3; 2) 4-6; 3) 7-12	1 class	1 class period	none
Sullivan, Kathy	214-1249	<a href="mailto:ksullivan@azgfd.gov">ksullivan@azgfd.gov</a>	AZ Game and Fish Department – Condor Reintroduction Project	California Condors Soar in Arizona	Interactive PowerPoint presentation will cover the natural history and biology of condors, condor mortality and breeding, AZ condor project background and update.	2-12	10-50	1 class period	none
Westerlund, John	526-1157 x273	<a href="mailto:john_westerlund@nps.gov">john_westerlund@nps.gov</a>	NPS	1) Mountain Lions; 2) Crowin' About Ravens; 3) Secrets of the Osprey	1) Learn about mountain lion habits and where they may be found; 2) Learn why these birds are unique; 3) Learn about these fish eating raptors	9-12	1 or more classes	1 class period	PowerPoint equipment
Worssam, Jillian/Bell, Mindy	607-2837 (Jillian); 213-0046 (Mindy)	<a href="mailto:jworssam@earthlink.net">jworssam@earthlink.net</a> ; <a href="mailto:mbell@apscc.org">mbell@apscc.org</a>	FUSD and FALA	Bottom to Top: Antarctic Adventures & the Bering Sea	Speakers have been to the Arctic and Antarctic and will share some of the science happening in these polar regions with photos and hands-on materials.	3-12	1-3 classes	1 class period	none