



MESA Advisors Training Institute

September 8

Time	Session		Description	
9:30-10:00 (Optional)	Tour of ENR2 Building		<i>This unique building is constructed to mimic a slot canyon. The building incorporates energy efficient heating and cooling, rainwater harvesting, and other innovative architectures.</i>	
10:00-10:30	Welcome		<i>Manny, Bill, and Rudy welcome to you the 2017-18 MESA school year.</i>	
10:30-11:30	QESST		<i>Tiffany Rowlands from QESST will discuss solar cars and solar energy.</i>	
11:30-12:00	Institute of the Environment		<i>Betsy Woodhouse, Deputy Director of the Institute of the Environment, will share the work of IE.</i>	
12:00-1:00	Lunch / Raytheon		<i>Alonso Garcia, Principal Mechanical Engineer for Raytheon, will discuss the Adopt-A-School Engineer program</i>	
1:00-2:00	OSIRIS-REx		<i>Dolores Hill, OSIRIS-REx ambassador, will share information and activities on the 1-year anniversary of the launch of this historic space mission.</i>	
2:00-3:00	WiSE (Women in Science and Engineering)		<i>Jill Williams, director of WiSE, will discuss the importance of diversity in STEM and Human Centered Design</i>	
3:00-5:00	XeroCraft	Computer Aided Design	<i>Members of Xerocraft will hold an Arduino workshop. Space is limited to 20 people. Please sign up for this session using the link in the email.</i>	<i>A session on using CAD software to design projects. TinkerCad and OnShape are 2 free, online tools that will be demonstrated.</i>



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September 9

Time	Session	Description
8:00-9:00	CSUnplugged	<i>You do not need a computer to teach computer science. We will explore ways to teach computer science without a computer.</i>
9:00-10:00	ASCE (American Society of Civil Engineers)	<i>Bridges and canoes. ASCE will discuss building tips for bridges and canoes. It will include tips, secrets to success, and other useful</i>
10:00-11:00	Immigrant Student Resource Center/Scholarship AZ	<i>Some of the students in our clubs and schools are undocumented or have refugee status. This session will discuss ways to create safe spaces for all students.</i>
11:00-12:00	Region Meetings	<i>Southern and Central regions will meet to discuss updates, challenges, how we can help, and needs for schools.</i>
12:00-1:00	Lunch / We Help Two	<i>Trevor Bergman of We Help Two will describe the new program he works with.</i>
1:00-2:00	STEMAzing	<i>DaNel Hogan with the STEMAzing project will run a workshop of activities</i>
2:00-2:30	Managing What You Don't Know	<i>How can we help students if we do not know ourselves? This session will give some tips to help students answer their own questions</i>
2:30-3:00	Spec Release	<i>The specifications for the 2017-18 year will be released.</i>