

<b>Workshop Schedule   July 15-17, 2019</b>				
Clock Hours	Day	Time	Topic or Activity	Presenter / Responsible Person
	Monday	10:15 - 11:00 a.m.	Registration at Northern Illinois University	Linda Hiltbrand (Retired IDNR-OMM)
0.75	Monday	11:00 - 11:45	Presenter Introduction, Grad Credit Workbook, Knowledge Evaluation, and Pick Your Rock Activity	Mike Boyda (Vulcan Materials), Lisa Tranel, PhD. (Illinois State Univ.) & Shawn McKinney (IAAP)
0.5	Monday	11:45 - 12:45 p.m.	Lunch & Knowledge Evaluation Review	Mike Boyda & Shawn McKinney (IAAP)
1	Monday	12:45 - 1:45 p.m.	Overview of Illinois Geology	Don Mikulic, PhD. (Weis Earth Science Museum)
0.75	Monday	1:45 - 2:30 p.m.	The Stone Industry of Illinois	Don Mikulic
	Monday	2:30 - 2:45 p.m.	Break	
1	Monday	2:45 - 3:45 p.m.	Bedrock Geology Using Google Earth	Lisa Tranel
0.75	Monday	3:45 - 4:30 p.m.	The Importance of Fossils	Don Mikulic
1	Monday	4:30 - 5:30 p.m.	Using Fossils Activity	Don Mikulic & Dave Sivill (Central Stone)
	Monday	5:30 - 6:00 p.m.	Break	
	Monday	6:00 - 7:30 p.m.	Dinner and discussions with industry presenters	Mike Boyda
0.5	Monday	7:30 - 8:00 p.m.	IDNR Rock Box exhibit (specimens of Illinois' mined rocks and minerals)	Vishnu Srinivasaraghavan (IDNR - Office of Mines and Minerals)
	Tuesday	7:00 - 8:00 a.m.	Breakfast and discussions with presenters	
0.75	Tuesday	8:00 - 8:45 a.m.	Life Cycle of a Mine: Exploration and Operations	Kip Smith (Borrego Solar)
0.75	Tuesday	8:45 - 9:30 a.m.	Cake Drilling Activity	Dan Larson, Becky Kazmierski & Gianna Salzbrunn (LafargeHolcim)
	Tuesday	9:30 - 9:50 a.m.	Life Cycle of a Mine: Reclamation	Linda Hiltbrand
0.75	Tuesday	9:55 - 10:15 a.m.	Life Cycle of a Mine: Sustainability	Randy Boisvert (Hanson Material Service)
	Tuesday	10:15 - 10:30 a.m.	Break	
0.75	Tuesday	10:30 - 11:15 a.m.	Birdseed Mining Activity	Kip Smith
0.75	Tuesday	11:15 - Noon	Having a Blast Every Day	Keith Henderson (Buckley Powder)
	Tuesday	Noon - 12:45 p.m.	Lunch and discussions with presenters	Mike Boyda
0.25	Tuesday	12:45 - 1:00 p.m.	Metamorphic Sandwich	Dave Sivill
0.75	Tuesday	1:00 - 1:45 p.m.	Good Stone - Bad Stone	Dave Sivill & Becky Kazmierski
0.5	Tuesday	1:45 - 2:15 p.m.	How much aggregate, asphalt, or concrete do I need and what will it cost?	Scott Letzter (LafargeHolcim) & Mike Boyda
0.75	Tuesday	2:15 - 3:00 p.m.	Toothpaste Making Activity	Linda Hiltbrand & Maryrose Ramacci (Hanson Material Service)
	Tuesday	3:00 - 3:30 p.m.	Break	
0.75	Tuesday	3:30 - 4:15 p.m.	Rocks & Minerals of Your School Day	Vishnu Srinivasaraghavan
0.75	Tuesday	4:15 - 5:00 p.m.	Cookie Mining Activity	Linda Hiltbrand & Maryrose Ramacci
0.75	Tuesday	5:00 - 5:45 p.m.	Teaching Rocks, Minerals & Mining in the Classroom	Matthew Hagaman (Peoria Academy of Science Geology Section)
0.75	Tuesday	5:45 - 6:30 p.m.	Collaboration with participants (educational materials)	Lisa Tranel
	Tuesday	6:30 - 7:00 p.m.	Break	
0	Tuesday	7:00 - 8:30 p.m.	Dinner and discussions with industry sponsors, presenters and guests	All presenters
	Wednesday	7:00 - 8:00 a.m.	Breakfast and room check out (board bus at 8:15)	Northern Illinois University - Stevenson Towers
0.25	Wednesday	8:15 a.m.	Travel, Knowledge Evaluation	Shawn McKinney
2	Wednesday		Lafarge Fox River Quarry (underground mining)	Don Mikulic, Dan Larson & Becky Kazmierski
0.5	Wednesday		Lafarge Elburn Sand & Gravel (surface mining)	Don Mikulic, Dan Larson & Becky Kazmierski
0.5	Wednesday		Johnson's Mound Forest Preserve (Glacial kame feature and lunch)	Don Mikulic & Brian Jockish (Buckley Powder)
0.5	Wednesday		Grunwald Farms Forest Preserve (reclamation)	Linda Hiltbrand
0.5	Wednesday		Vulcan Kaneville Sand & Gravel (concrete and asphalt plants, Quikrete)	Don Mikulic & Mike Boyda
1.5	Wednesday		Vulcan DeKalb Quarry (geological formation and fossil hunting )	Don Mikulic & Mike Boyda
	Wednesday	4:00 p.m.	Return to NIU and wrap-up	Shawn McKinney & Lisa Tranel