



1st, 2nd, and 3rd Grade Engineering Challenge Camp

July 17-July 21, 2017

Cosponsored by the West Virginia University
Benjamin M. Statler College of Engineering & Mineral Resources and EQT
and sponsored in part by
Halliburton, Eaton, and the Service League of Morgantown

Monday, July 17, 2017

Time	Activity	Place	Led By
8:30-8:45 a.m.	Registration/Check In	ESB Atrium	Cate Schlobohm
9:00 a.m.	Welcome and Icebreaker	105 MRB/Courtyard	Counselors
9:30 a.m.	Introduction to Industrial Engineering	105 MRB	Counselors
10:00 a.m.	<u>Zoologist</u> – Feeding the Animals using engineering (no live animals involved)	109 MRB	Counselors
11:00 a.m.	Snack/Break/Discussion	MRB Atrium	Counselors
11:15 a.m.	<u>Ship Builder</u> – build the most efficient boat	105 MRB/Courtyard	Counselors
12:30 p.m.	Pick Up	ESB Atrium	Counselors

Tuesday, July 18, 2017

Time	Activity	Place	Led By
8:30-8:45 a.m.	Registration/Check In	ESB Atrium	Cate Schlobohm
9:00 a.m.	Icebreaker	105 MRB/Courtyard	Counselors
9:30 a.m.	Intro to Biomedical and Chemical Engineering	105 MRB	Counselors
10:00 a.m.	<u>Artist</u> – Make your own paint	G35 ESB	Counselors
11:00 a.m.	Snacks/Break/Discussion	ESB Hallway	Counselors
11:15 a.m.	<u>Doctor</u> – Prosthetic leg	209 MRB	Counselors
12:30 p.m.	Pick Up	ESB Atrium	Counselors

Wednesday, July 19, 2017

Time	Activity	Place	Led By
8:30-8:45 a.m.	Registration/Check In	ESB Atrium	Cate Schlobohm
9:00 a.m.	Icebreaker	105 MRB/Courtyard	Counselors
9:30 a.m.	Intro to Civil Engineering	105 MRB	Counselors
10:00 a.m.	<u>Construction Worker</u> – build a stable tower	205 MRB	Counselors
11:00 a.m.	Snacks/Break/Discussion	MRB Atrium	Counselors
11:15 a.m.	<u>DNR Officer</u> – Build safe traps for animals (no live animals involved)	109 MRB	Counselors
12:30 p.m.	Pick Up	ESB Atrium	Counselors

Thursday, July 20, 2017

Time	Activity	Place	Led By
8:30- 8:45 a.m.	Registration/Check In	ESB Atrium	Cate Schlobohm
9:00 a.m.	Icebreaker	105 MRB/Courtyard	Counselors
9:30 a.m.	Intro to Electrical and Computer Engineering	109 MRB	Counselors
10:00 a.m.	<u>Musician</u> – Build a musical instrument and measure dB level	105 MRB/Test in Courtyard	Counselors
11:00 a.m.	Snacks/Break/Discussion	MRB Atrium	Counselors
11:15 a.m.	<u>Electrician</u> – Static electricity experiments	G35 ESB	Counselors
12:30 p.m.	Pick Up	ESB Atrium	Counselors

Friday, July 21, 2017

Time	Activity	Place	Led By
8:30-8:45 a.m.	Registration/Check In	ESB Atrium	Cate Schlobohm
9:00 a.m.	Icebreaker	105 MRB/Courtyard	Counselors
9:30 a.m.	Intro to Mechanical and Aerospace Engineering	105 MRB	Counselors
10:00 a.m.	<u>Agriculture/Miller</u> – build a working water wheel	G35 ESB	Counselors
11:00 a.m.	Snacks/Break/Discussion	ESB Hallway	Counselors
11:15 a.m.	<u>Racecar Driver</u> – build a car and have a race	209 MRB/Courtyard	Counselors
12:30 p.m.	Pick Up	ESB Atrium	Counselors



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