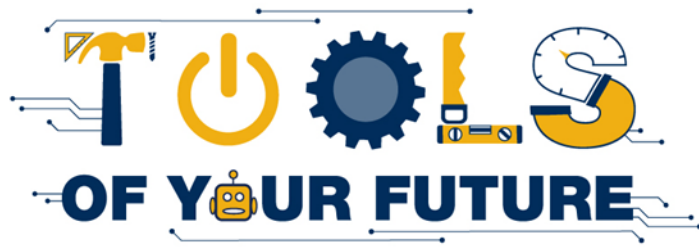




1st, 2nd, 3rd
 2022 Engineering
 Challenge Camp
 “Tools of Your Future”

Monday

Time	Activity	Location	Instructor
8:30 – 9:00	Drop-off & Registration	ESB Atrium & G39	Office Crew
9:00 – 9:20	Welcome / ice breaker / intro to camp rules	ESB 251 or Courtyard	Counselors
9:20– 9:50	Problem solving with tools: relay race	ESB Courtyard	Counselors
9:50-10:20	Visit Lane Innovation Hub	Lane Innovation Hub (ESB)	Counselors & Innovation Hub Staff
10:20-10:40	Snack Break	ESB G39 Hallway	Counselors
10:40-10:50	Read Rosie Revere / Introduce EDP & create poster	ESB 251	Counselors
10:50-11:45	Lever Challenge (station activity)	ESB 207	Counselors
11:45-12:20	Assemble Lane Innovation Hub Project	ESB 207	Counselors
12:20-12:30	Intro to sustainable engineering design with “food waste” project	ESB 207	Counselors
12:30	Pick-Up	ESB Atrium	Sydney Reed



1st, 2nd, 3rd
 2022 Engineering
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Tuesday

Time	Activity	Location	Instructor
8:30 – 9:00	Drop-off & Registration	ESB Atrium & G39	Office Crew
9:00 – 9:20	Ice breaker / camp song	ESB 207	Counselors
9:20-10:20	Introduce Simple Machines (poster) / Build Challenge	ESB 207	Counselors
10:20-10:40	Snack Break	ESB G39 Hallway	Counselors
10:40-11:00	Read “Sound: Shhh...Bang...pop...boom” & Speaker Experiment	ESB 207	Counselors
11:00-11:50	Build your own instrument (station activity)	ESB 207	Counselors
11:50-12:30	Adjust the pitch of your instruments / concert	ESB 207 and courtyard	Counselors
12:30	Pick-Up	ESB Atrium	Office Crew



1st, 2nd, 3rd
 2022 Engineering
 Challenge Camp
 “Tools of Your Future”

Wednesday

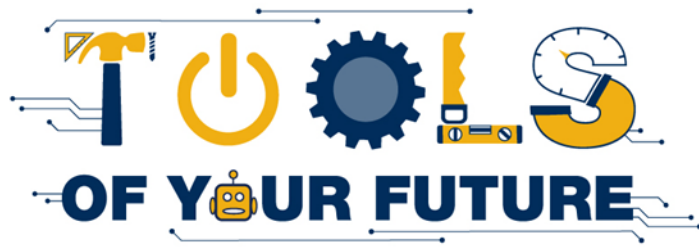
Time	Activity	Location	Instructor
8:30– 9:00	Drop-off & Registration	ESB Atrium & G39	Office Crew
9:00– 9:10	Ice breaker / camp song	ESB 207	Counselors
9:10-9:20	Read and discuss Iggy Peck Architect	ESB 207	Counselor
9:20-9:50	Iggy’s Bridge design and build challenge	ESB 207	Counselors
9:50-10:10	Snack Break	ESB G39 Hallway	Counselors
10:10-10:55	Skyscraper elevator design and build / share design	ESB 207	Counselors
10:55-11:40	Heat energy, measuring temperature: Build your own thermometer	ESB 211	Counselors
11:40-12:30	Electrical Engineering: Building squishy circuits	ESB 207	Counselors
12:30	Pick-Up	ESB Atrium	Sydney Reed



1st, 2nd, 3rd
 2022 Engineering
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Thursday

Time	Activity	Location	Instructor
8:30– 9:00	Drop-off & Registration	ESB Atrium &G39	Sydney Reed
9:00-9:20	Ice breaker	ESB 251	Counselors
9:20-10:20	Force and friction: balloon car design, build and test with extra challenge	ESB 251	Counselors
10:20-10:40	Snack break	ESB G39 Hallway	Counselors
10:35-11:30	Unplugged coding activity	ESB Courtyard	Counselors
11:20-12:30	Straw Rockets	ESB 251 and Courtyard	Counselors
12:30	Pick-up	ESB Atrium	Office Crew



1st, 2nd, 3rd
 2022 Engineering
 Challenge Camp
 “Tools of Your Future”

Friday

Time	Activity	Location	Instructor
8:30– 9:00	Drop-off & Registration	ESB Atrium & G39	Office Crew
9:00-9:10	Ice Breaker	ESB 211	Counselors
9:10-10:40	Tower of T”AIR”ER	ESB 211	Counselors
10:00-10:15	Final reveal of sustainable engineering design with “food waste” project	ESB 211	Counselors
10:15-11:00	Bubble Machine Challenge	ESB 211 & Courtyard	Counselors
11:00-11:20	Snack Break	ESB G39 Hallway	Counselors
11:20-12:00	Build Your Own Water Park Challenge	ESB 211	Counselors
12:00-12:30	Wrap-Up / “Engineering Certification”	ESB 211	Counselors
12:30	Pick-Up	ESB Atrium	Office Crew