



True North Expedition Summer Camp

Below includes a sample of each type of activity for each weekly theme of the camp. This is not an all-encompassing list for the entire week since it is only one day of sample activities for that week, but each day will include an engineering activity, a leadership/character-building activity, a game/sport, an art project, a nature activity, a science experiment, and a bonus activity. Also, our staff will allow additional time for activities that the attendees are really enjoying and engaged in, which may result in other activities having the time reduced or eliminated for that day.

Activity	Week 1: June 17-21, 2024	Week 2: June 24-28, 2024	Week 3: July 8-12, 2024	Week 4: July 15-19, 2024
Theme	<i>Mystery Detectives: Solving Puzzles and Unraveling the Code!</i>	<i>Medieval Quest: A Journey Through Time!</i>	<i>Space Exploration: Discovering the Wonders of the Universe!</i>	<i>Wilderness Survival Challenge: Conquer the Elements & Thrive!</i>
Engineer of the Week	Chemical Engineering	Mechanical Engineering	Aerospace Engineering	Environmental Engineering
Engineering Activity	Slime Lab & Color Mixing	Catapult Design, Build, & Compete	Rocket Design & Launch	Windmills for Renewable Energy
Leadership & Character-Building	Taking Ownership – Leading	The Importance of Asking Questions – Design a Car Activity	SMART Goal Setting & Teamwork	Mindfulness and Observations
Game, Movement, Sports	Team Building Relay Race	Medieval Obstacle Course	Kickball to Space	Capture the Flag
Creativity/Art Project	Nature Collage Art	Face Painting	Watercolors and Milk Art	Rain Cloud in a Jar
Nature Activity	Escape Room in Nature – Solve the Mystery with the Clues	Map Reading & Compass Exploration	Nature Charades Challenges	Backpacking Basics and Survival Shelters
Science Experiment	The Process of Making Paper	Sink or Float? Density Tower	Airflow Exploration – Wing Design	Soda Geyser Water Testing & pH Levels
Bonus Activity	Invisible Ink Messages	Stick Sculptures	Balloon Rockets and Airplanes	Smell & Tell with Herbs, Spices, and Essential Oils



True North Expedition Summer Camp (cont.)

Below includes a sample of each type of activity for each weekly theme of the camp. This is not an all-encompassing list for the entire week since it is only one day of sample activities for that week, but each day will include an engineering activity, a leadership/character-building activity, a game/sport, an art project, a nature activity, a science experiment, and a bonus activity. Also, our staff will allow additional time for activities that the attendees are really enjoying and engaged in, which may result in other activities having the time reduced or eliminated for that day.

Activity	<u>Week 5:</u> July 22-26, 2024	<u>Week 6:</u> July 29 - Aug 2, 2024	<u>Week 7:</u> August 5-9, 2024	<u>Week 8:</u> August 12-16, 2024
Theme	<i>Bodies in Motion: Exploring Sports, Science, and Wellness!</i>	<i>Wonders of the World: The Science of Water, Light, and Sound!</i>	<i>Heroic Innovation League: Superhero Training and Invention!</i>	<i>Creative Inventors Lab: Building the Gadgets of the Future!</i>
Engineer of the Week	Biomedical Engineering	Polymer & Corrosion Engineering	Civil & Construction Engineering	Electrical & Computer Engineering
Engineering Activity	Prosthetics Design	Homemade Playdough and Volcanic Eruptions	Build a Roller Coaster	Electrical Circuit Creation & Electrical Playdough
Leadership & Character-Building	How to Grow Your Brain – Growth Mindset	Sound and Reflective Listening	Conflict Resolution	Empathy & Understanding
Game, Movement, Sports	Water Balloon Volleyball	Water Sponge Relay Race	Super Hero Obstacle Course	Lightening Tag
Creativity/Art Project	Salt Art	Musical Instruments	Make Your Own Super Hero Costume	Create a Light-up Board Game
Nature Activity	Nature Bingo	Nature Windchimes	Treasure Hunt in Nature	Energy in Nature
Science Experiment	Cold verses Hot	Types of Plastics & Recyclable Materials	Lighter than Air Experiment	Electro-magnets & Measuring Electricity
Bonus Activity	Physics of Throwing	DIY Periscopes	Lego Building Competition	Conductors and Non-conductors



True North Expedition Summer Camp (cont.)

In addition to the activities listed on the previous pages, there will be field trips added to the schedule. The field trips will take place at various locations/venues and parents/guardians will be notified ahead of time if they will be leaving the premises to take a field trip. Parents will fill out a Field Trip Form prior to the field trip event in order for their children to participate. Field trips will be added each week based on the number of children that sign up, but there will not be a guaranteed field trip added to each week. Below is a list of sample field trips that may be added, but doesn't include all possible field trip options.

Sample Field Trip List:

- Swimming at Hinkley Lake
- Indoor Rock Climbing at Kendall Cliffs
- Outdoor Hiking at Other Parks
- Bowling
- Nature Centers at local parks
- Great Lakes Science Center
- Cleveland/Akron Zoo
- Creek Exploration in Brecksville
- Creek Walk in Chagrin Parks
- Swimming Indoors at Macedonia Rec Center
- Make Believe Fun Center
- Indoor Climbing at Shaker Rocks
- Adrenaline Monkey