

## 5<sup>th</sup> NJ State Police National Guard Camporee Activities

### STEM Based Activities

#### **Weather Station**

Atlantic City Press Meteorologist Dan Skelton will be on hand to discuss the art of meteorology and show how weather is predicted.

#### **Bug Display**

Scouts will investigate the diversity of life by examining a variety of live arthropods as well as pinned, preserved specimens.

Scouts will gain an understanding of the structure, characteristics and basic needs of the organisms.

#### **Fluid power & Hydraulics 101**

Scouts will learn about fluid power systems and delve into the science and engineering behind both Pneumatics (Air Power) and Hydraulics (liquid power).

#### **X-Ray 101**

Scouts will investigate x-rays of human hands and different animals to learn common uses of x-rays and how they are created. The dangers of x-rays will also be explored. Scouts will be able to view and x-ray of the Sun and learn how Earth's magnetic field protects us from the Sun's radiation.

#### **Robotics Display**

The Egg Harbor Township Police Athletic League Robotics team will have a robot and demonstrate how it works.

#### **Electricity Circuit Boards**

Scouts will get the chance to interact with insulation types for different voltages, with hands on examples, wiring an electromagnet, and wiring a closed-circuit camera. They will learn how the electrons are moving in each case.

#### **Solar Power Demonstration**

Scouts will learn the how's and why's of how the environment benefits by people choosing to use renewable energy as their main source of power in their homes and work places.

#### **Interactive STEM Scenario Van**

The Army's STEM (Science Technology Engineering Math) vehicle put students in a scenario where they can put their knowledge and problem solving abilities to the test. The mission is humanitarian focused and requires students to use Army technology to complete the task.

## **Rope Bridge and Lashings**

Learn the engineering principles involved in the design and construction of a 100-foot rope cable stay bridge. Then take a walk across the bridge.

## **Thomas Edison National Park's Invention Challenge**

Scouts will have the chance to participate in two (2) different invention challenges inspired by the inventor Thomas Edison

## **State Police Activities**

### **Fingerprinting**

A New Jersey State Police Officer will explain and demonstrate the current live scan electronic fingerprinting process. Afterwards the Scouts will be instructed on fingerprinting (rolled and plain impressions) another individual using ink and a fingerprinting identification card.

### **Physical Fitness Challenge**

New Jersey State Police Officers will conduct the "Top Physical Challenge" and conduct NJSP Training Facility tours.

### **Firearms and Self-Defense Training Unit**

New Jersey State Police Officers will conduct firearms display and demonstrations at the New Jersey State Police Range.

### **Hazardous Materials Response Unit**

New Jersey State Police Officers to demonstrate and display HAZMAT with vehicles and equipment.

### **Urban Search and Rescue Unit**

New Jersey State Police Officers to assemble with response equipment to demonstrate real-life response to a critical incident and demonstrate use of equipment with active participation of scouts.

### **Tactical Patrol Unit**

New Jersey State Police Officer to demonstrate security details, traffic control outside and within the State Police Training Center, New Jersey State Police Officers transport, and DVIR/MDT and patrol-related demonstrations.

### **Fatal Accident Investigation Unit**

New Jersey State Police Officers demonstrate equipment for display and interaction with attendee

### **East Forensic Science Laboratory**

New Jersey State Police Officers available for laboratory tours and interactive display involving observation of crime scenes.

## **Regional Operations Intelligence Center (ROIC)**

New Jersey State Police Officers put together demonstration and display of Intelligence Led Policing (ILP) and the use of intelligence in solving and preventing crime.

## **Cyber Crimes Unit**

New Jersey State Police Officers display equipment used in computer-related crimes and information related to internet safety.

## **Crime Scene Investigations Unit**

New Jersey State Police Officers display equipment and vehicles used on crime scenes.

## **Electronic Surveillance Unit**

New Jersey State Police Officers display equipment and vehicles used on electronic surveillance.

## **Forensic Photography and Composite Artist Unit**

New Jersey State Police Officers to photograph the duration of the event and to provide a composite artist for display and interaction with scouts.

## **Homicide Unit**

New Jersey State Police Officers will have a display on the homicide unit.

## **Missing Persons Unit**

New Jersey State Police Officers will display equipment and vehicles for technology related to Amber/Silver Alerts and missing person's investigations.

## **Polygraph Unit**

New Jersey State Police Officers to display equipment for display and interact with scouts.

## **Gangs and Organized Crime Unit**

New Jersey State Police Officers with display and interact with scouts.

## **Trafficking Unit**

New Jersey State Police Officers with display and interact with scouts.

## **Aviation Bureau**

New Jersey State Police Officers with helicopter(s) for static display and participation in aerial survey of event and multiple demonstrations with T.E.A.M.S. and Canine Unit New Jersey State Police Officers.

## **Marine Services Bureau**

New Jersey State Police Officers with air boat, jet boat, and jet ski for static display, to include PWC and boat operator safety.

### **Arson/Bomb Unit**

New Jersey State Police Officers with unit truck, Mobile Explosive Containment Chamber (MECC), robot(s), and equipment for display and demonstration.

### **Canine Unit**

New Jersey State Police Officers with canine to provide demonstration and participate with T.E.A.M.S. Unit for multiple demonstrations.

### **T.E.A.M.S. Unit**

New Jersey State Police Officers to demonstrate dive truck, armored New Jersey State Police Officers carrier and other equipment.

### **Information Technology Bureau**

New Jersey State Police Officers to provide display of Division technology, to include; DIVR/MDT, and New Jersey State Police Officers to staff AFIS equipment and assist with fingerprinting display.

## **Other Fun Activities**

### **Gaga Ball Pit**

Play a massive game in 24 x 24 Gaga ball with all your scout friends!

### **Sumo Suits**

Duel your fellow scouts in match of sumo wrestling!