



Florida Association of Fire Rescue Cadets



EMS Knowledge Relay

2026 Gator Games

Objective:

This event allows teams to demonstrate their knowledge of basic EMS equipment. The judging table will have a designated area to set the piece of equipment with a numbered (1-8) description card, face down, in front of it. Upon the "GO" command, the first member will leave the staging area, go around barrier, and look at any description card. After reading the description, the member will go to the equipment/answer card storage area and pick up the correct piece of equipment or answer card. The equipment/answer card is then placed in the corresponding judge's area and the team member will go back around the barrier and physically tag the next member in line. As soon as the next member is tagged, they will repeat the above procedure, looking at any unanswered description card, and then get back in line in the staging area. Each team member must go two times. Time will stop when the last team member completes their task and crosses the finish line. There will be two pieces of each equipment and multiple answer cards in the storage area. Some description card arrangements may have two of the same pieces of equipment/answer cards in the judge's area.

Requirements:

- Each Post can enter a maximum of three teams consisting of four Cadets/Explorers
- No Cadet/Explorer can participate in this event twice.
- A list of equipment/skills and descriptions used in this event will be provided prior to event.

Rules and Penalties:

- The team members must only answer the description card he/she picks up upon arrival at the table (no looking at card and then picking up another one) **(10 seconds each infraction)**
- The team member must read the description and leave the card **face down** on the table before crossing the barrier line. **(10 seconds)**
- The team members can walk or run during this event, it is a relay competition.
- Each team member must be physically tagged before they can leave the staging area. **(10 seconds)**
- A member can change his mind or make changes to the equipment choice as long as they have not crossed the barrier line. Once a member crosses barrier line, no changes can be made. **(10 seconds)**

Scoring:

- 1 point for each correct response (8 points max.)
- All ties in points will be decided by the fastest times plus any penalties.

**see event diagram for more details*

2026 EMS Knowledge Relay

Quick Reference

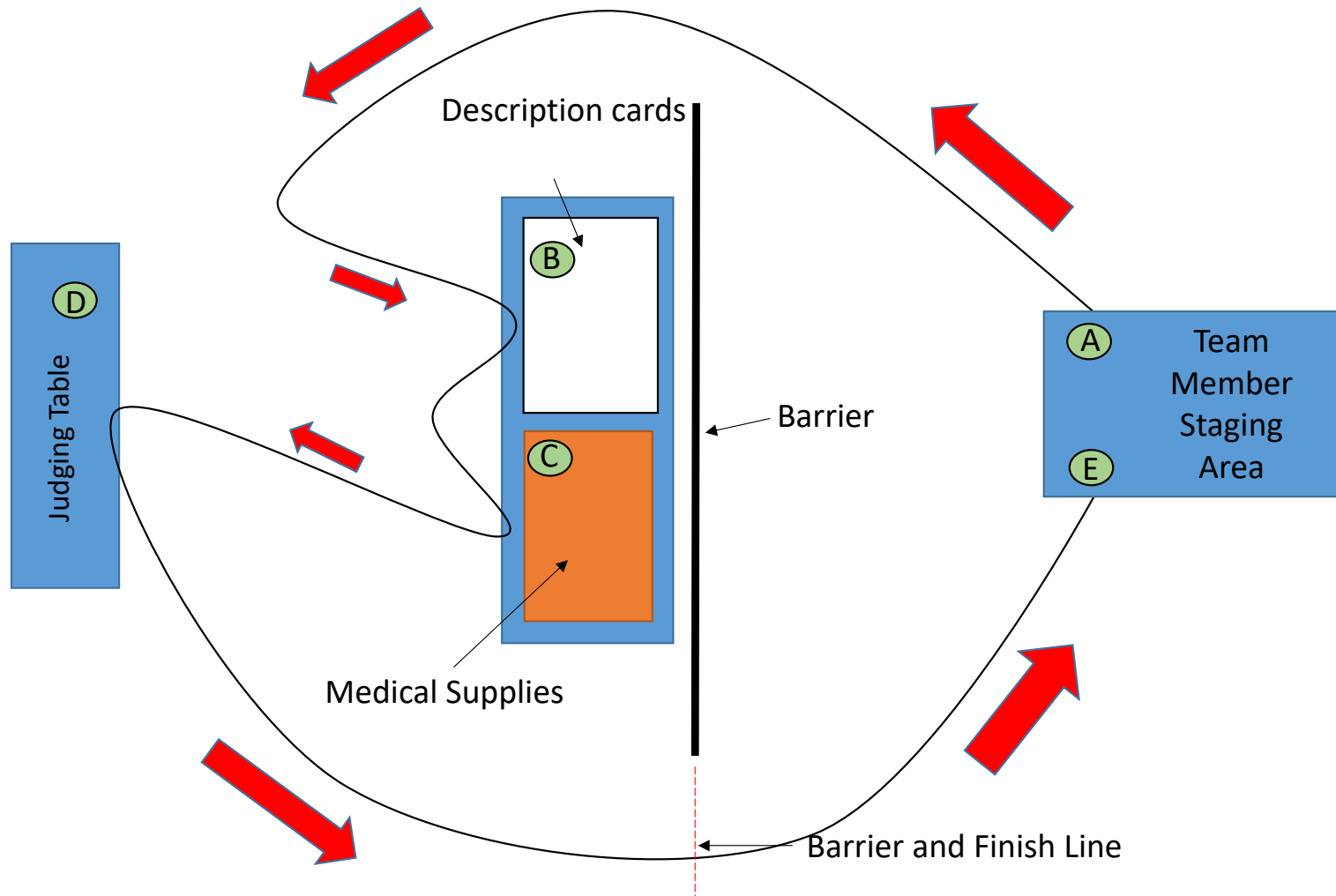
A – Member starts relay

B – Member looks at Description card.

C – Member picks up medical supplies.

D – Member places both cards on the judging table.

E – Member tags next member in staging area.



Nasal Cannula



Used to deliver low-flow oxygen through two prongs placed in the nostrils. Flow Rate: 1–6 LPM

Non-Rebreather Mask (NRB)



Mask with reservoir bag delivering high concentrations of oxygen. Flow Rate: 10–15 LPM

Bag Valve Mask (BVM)



Manual ventilation device used for patients who are not breathing adequately. Flow Rate: 15 LPM

Oropharyngeal Airway (OPA)



Rigid airway inserted in the mouth to prevent the tongue from blocking the airway.

Nasopharyngeal Airway (NPA)



Flexible airway inserted into the nose to maintain an open airway.

PEEP Valve



A device used on a BVM to increase the amount of pressure left in the lungs

Yankauer Suction Tip



Rigid suction catheter used to clear the mouth and upper airway.

Nebulizer with T



Device used to deliver aerosolized respiratory medications.

Glucometer



Device used to measure blood glucose levels.

Tourniquet



Device used to control severe extremity bleeding.

Chest seal



Occlusive dressing used to seal sucking wounds.

SAM Splint



Moldable splint used to immobilize fractures.

Trauma Shears



Heavy-duty scissors used to cut clothing during assessment.

Blood Pressure Cuff



Device used to measure blood pressure.

Stethoscope



Instrument used to listen to heart and lung sounds.

Cervical Collar (C-Collar)



Device used to immobilize the cervical spine in trauma patients.

IV Catheter



Device inserted into a vein to provide fluids or medications.

IV Administration Set



Tubing used to connect IV fluids to a catheter.

Saline Flush



Small syringe used to maintain patency of an IV line.

Nasal Capnography (ETCO2)



Device used to measure carbon dioxide levels in exhaled air.

IO Drill



Device used to establish peripheral access in an emergency setting, typically when intravenous is difficult

Burn Sheet



Sterile sheet used to cover burn patients and maintain body temperature.