

NATIONAL CADET COMPETITION 2018

GEOCACHING SYPNOSYS

LOCATION

Memorial Park @ National Museum of the U.S Air Force.

OBJECTIVE

This event combines physical fitness and teamwork skills in a fun challenge that promotes STEM learning. This event also promotes Civil Air Patrol Urban Directional Finding (UDF) skills.

TEAM SIZE

3- Cadet Team

RECOMMENDED GEOCACHING STAFF UOD (UNIFORM OF THE DAY)

ABUs or BDUs

MATERIALS/EQUIPMENT

1. At least 10 compasses.
2. 12 large traffic cones
3. 4 carrying leather bags or bags that conceal cue/bearing cards for the Escorts.
4. 4 clipboards
5. 12-15 Laminated 8x11 paper sheets with letters printed on them.
6. 2-3 rolls of Clear/Invisible Box Tape.
7. Radio in order to communicate with event Marshall on the opposite side.

SYPNOSYS/PROPOSAL

Each Team is limited to a time of 15 minutes.

Each team will be followed by a Cadet Liaison

We will run a geocaching course within Memorial park at the U.S Air Force Museum. Memorial Park provides a large enough space with enough trees/ obstacles to create a fun, and challenging geocaching circuit. The course will be run as a compass course with 4-5 bearings. We will run two teams at the same time from opposite starting points, with the same “marks” or bearings so that we can effectively supervise and expedite our visit to the Museum.

Teams will start with a compass azimuth bearing leading to each subsequent mark. There will be several cones or marks spread throughout the course, in order to examine the directional skills of each team. Each Cone will have a correct or false clue depending on the accuracy of the team. Teams must work together to find the correct marks.

Each bearing or “mark” will have a “Letter” as a Geocache reward which will lead to the next “mark.” Behind each “Letter,” will be the next bearing for each team to move forward throughout the course. At the end of the course, the team will be given a question with a 5 or 6 letter answer. The Letter collected will be used to answer a 5-letter puzzle/question. In other words, the team will gather the letters

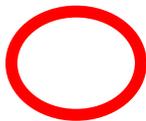
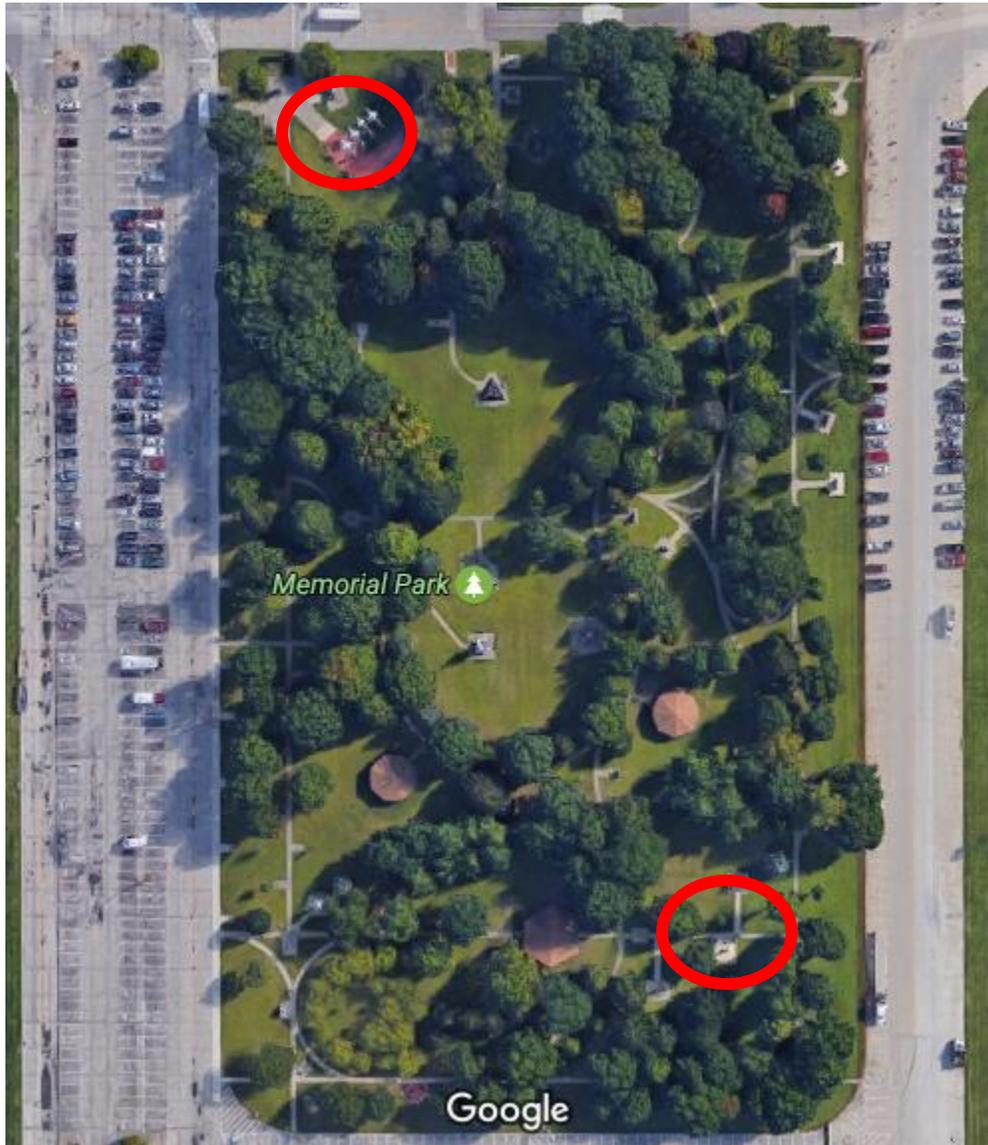
collected and answer the question accordingly. Upon stating their final answer, the timer will stop and the team's turn is finalized.

Teams may know the answer to the 5 – letter question. Therefore; In order to improve accuracy, each event Marshall/Staff member will check that they collected the correct letters and/or marks.

SET - UP

- **There will be two courses running simultaneously on opposite sides with similar bearings and distances for each team, for fairness. In other words, the course has the same Mark's or bearings. The only difference is that each team is starting on an opposite side, and ending at the opposite team's starting point.**
- **We will set up several cones throughout the course.**
- **Each cone will be marked by a laminated 8x11 letter or symbol. Behind each letter or symbol is the bearing to the next "mark"**
- **We will run the course at least twice a few days prior in order to ensure accuracy.**

Memorial Park Map



Starting point