

## Fire Hawk

Do not start until the signal is given.

### Game Basics

Each patrol will be given materials to build a **Fire** and attempt to extinguish it *without using hands* only **Water** from a suspended balloon. The balloon will be filled by you with the water provided.

### Rules of the game

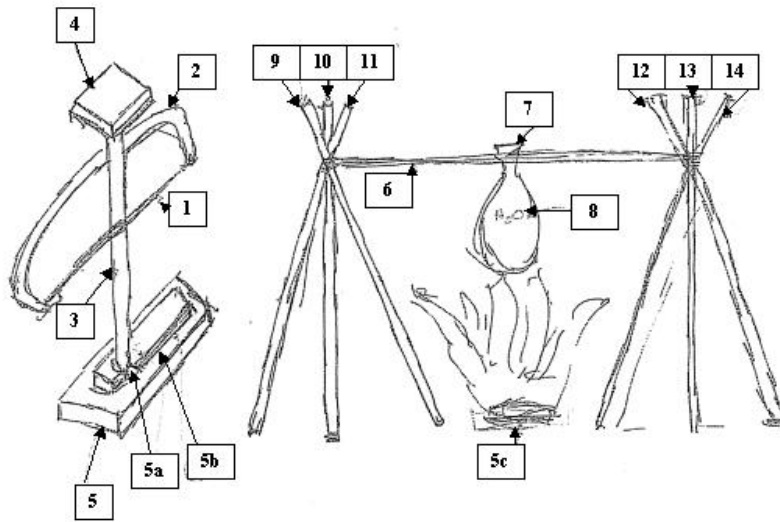
1. Using the diagram provided as a guide:
  - a. Construct 2 tripods with a water balloon suspended between them
  - b. Construct a bow and drill system to make a fire
2. Build a fire only using materials provided and your own personal knives to prepare materials. Proper knife safety must be used.
3. When the signal is given you must switch from the bow and drill system to flint and steel. These must be obtained from the staff at that time.
4. When the next signal is given one member of your patrol may go to the designated staff for one match.
5. When the balloon bursts as a result of the fire give your patrol cheer.

### Additional information

- The fire must stay on the ground
- All three legs of tripods must be flat on the ground.
- The fire must be what bursts the balloon

(Over)

Diagram



**Diagram Key:**

1. String (parachute cord)
2. Materials for a bow (precut ply wood)
3. Dowel to start fire
4. Top plate to hold dowel
5. Bottom plate to hold tinder
  - a. *Tinder*
  - b. *Kindling*
  - c. *Fuel*
6. String (latching and suspension)
7. Balloon
8. Water (one bottle of water 16 oz)
9. Dowel
10. Dowel
11. Dowel
12. Dowel
13. Dowel
14. Dowel

**Equipment needed**

Refer to diagram key above

**Scoring**

Based on Time