



## Active Problem Solving

The following active problem solving activities can be completed at home in or outdoors with family. Always make sure that you have an adult present. Have fun!

### Activity 1- All Aboard!

**Mission-** To get all of your group stood on a platform without anybody touching the floor around it.

**Equipment-** A platform e.g. a towel or blanket.

**Constraints-** You are not allowed to 'stack' more than one team member on top of one another.

**Challenge-** Gradually make the platform smaller to increase the difficulty.

### Activity 2- Line Up

(One person is the leader and they must be the only person to read this task)

**Mission-** Every member of the group must wear a blindfold (apart from the leader). The leader must whisper consecutive numbers into each players ear (1,2,3,4 etc.). Remind them not to **forget** or **change** their number. Ask the group to line up in order. Each player should move slowly with their palms facing out to avoid collisions.

**Equipment-** A blind fold for each player.

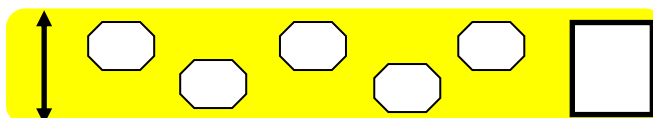
**Constraints-** The players must line up in number order without talking.

### Activity 3- Quicksand

**Mission-** To get all team members from behind the line across to the platform without touching the ground.

**Equipment-** A platform (e.g. a towel or a blanket) and markers to stand on.

**Constraints-** The markers can be used to cross the area but once they are put on the ground they **cannot be moved**. If a marker is not being stood on it will sink into the quicksand and is unable to be used for the rest of the journey.



### Activity 4- Perfect Square

**Mission-** Your team must form a perfect square with 90 degree (right) angles out of string while blindfolded. This activity requires good communication skills.

**Equipment-** Blind folds and one length of string (or a similar material).

**Constraints-** The string must be held by every member of the team at all times.

Every member of the team must be stood on the outside of the string.