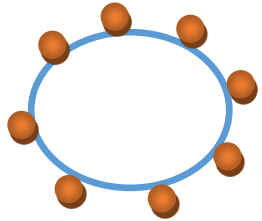


# Problem solving challenges

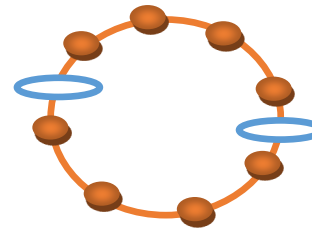
## Fill the hoop



The children hop skip or sidestep around a hoop or chalked circle.

The children must put as many feet, hands, elbow, as the teacher asks for. No more, no less.

## Circle of hoops



The students stand in a circle holding hands.

A teacher/leader will place a hoop between the hands of one pair.

The students must pass the hoop around the whole circle and back to the start again.

The students must not unlink their hands.

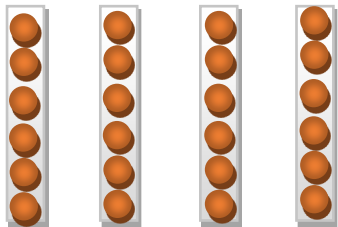
Once students have practiced, it can be made into a race.

### Progression

The hoop must not touch the floor

Add an extra hoop

## Stay out of the water



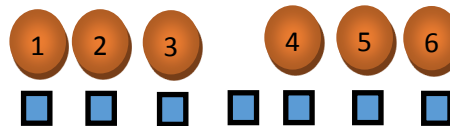
The students stand on a bench in any order, they are on dry land but must not touch the water (floor) as they are surrounded by sharks.

Without touching the floor they must form the following order;

Height Age Alphabetically

Progression—ask a better group to do without talking

## Stepping stones



The students start in order 1-6, with an empty stone in the middle.

They must finish 6-1, the empty stone can be anywhere.

Only one person on a stone at a time, they can move in any direction.

They must not touch the floor.

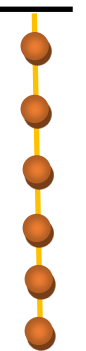
## Human chain

Starting with all members behind the line, which group can form the longest chain

At least one student needs to keep contact with the line.

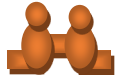
The students must keep contact with each other in any way.

Progression—create a group leader who can travel along the line and give instruction.



# Problem solving challenges

## Standing balance



The students need to stand up without letting go of each other.

Progress; stand up in one smooth movement.

## Blindfold challenge

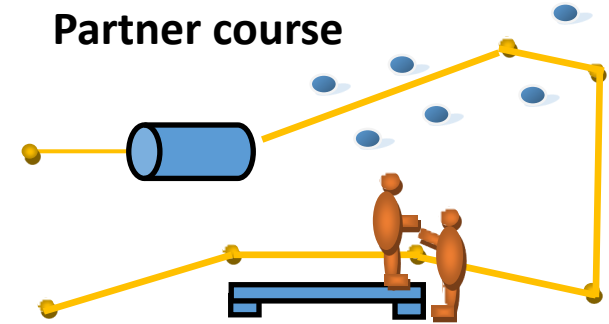
Guide a blindfolded partner around a course. Consider; How will the blindfolded student know where to go. Give students 2 minutes before the task to discuss how they will communicate with each other.

Give each pair a different starting point and place cones or lines around the hall for students to navigate around.

Progress; to picking up treasure, one at a time come back to base and swap over.

No pulling or pushing communicate only through speech.

## Partner course



Holding hands with a partner navigate the course, do not unlink hands.

One student must always be holding the rope.

## Partner catch

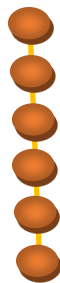


One partner stands with their hands across their chest and keeps their body as solid as a piece of wood.

The catching student will have a solid stance and be ready to catch.

Progression; start very close and gradually move slightly further back.

This is a trust challenge, the catcher must stay responsible for his/her partner.



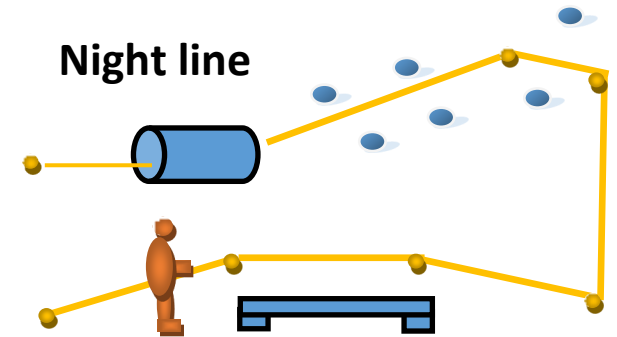
## Hand squeeze challenge

Sit the students down in a line, the first person will have their right hand on the floor. Everybody else will have; left hand on top and right hand underneath the student sat next to them.

This is a race between groups, which group can have the last person raise their left hand first.

Pass the squeeze along, when a student's right hand is squeezed, they can then squeeze the left hand of the student next to them. The last student will raise their left hand.

## Night line

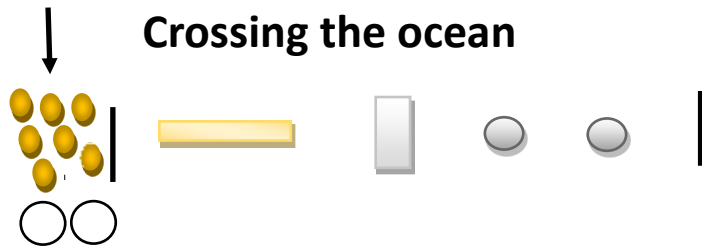


Students are in pairs, one is blindfolded. The blindfolded student will have one hand on the rope and will follow the course, the other student will walk the course with them and help using verbal communication.

Progress to both being blindfolded working together, however there must be leaders along the course to help when needed.

# Problem solving challenges

Students



## Crossing the ocean

The students all need to cross the ocean, without any student getting their feet wet, if they step into the water the whole group has to start from the beginning again.

They can use two hoops to help them get across, students can stand inside the hoops and move the hoop to help them succeed.

## River crossing

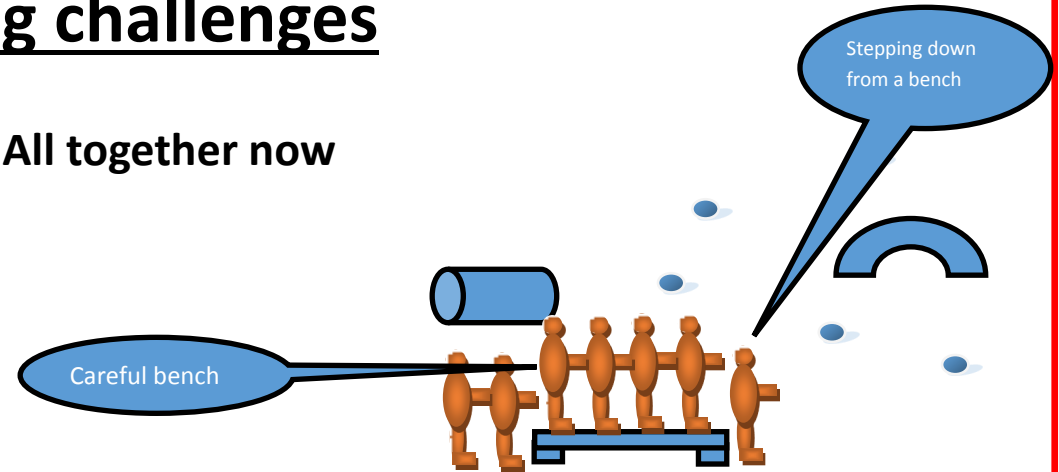


Each group will have a; fox, chicken, sweetcorn and a boat. Either give students a different colour bib or a label saying Fox chicken, boat or corn.

We want to get all the animals across the river, students must travel in the boat, only one can go in the boat at any time.

However students must think about the order they travel in as, the fox will eat the chicken and the chicken will eat the corn?

## All together now



In small groups the students complete a course. All students except the front student will be blindfolded. The students at the front must instruct the student behind., who will instruct the student behind him/her.

Students must stay in contact with each other, they must move slowly., and work as a team.

## Herding the sheep

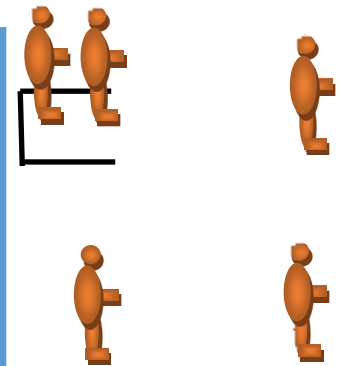
Split the class into groups.

Each group will have one sheepdog and sheep. The sheep will be blindfolded. The dog must use a form of communication to herd the sheep into the pen.

The sheep cannot talk.

Students will be given 5 minutes to discuss how they will communicate to each individual in the group.

Progression; communicate with sound but not speaking.



Fox

Chicken

Corn

Boat

Fox

Chicken

Corn

Boat

Fox

Chicken

Corn

Boat

Fox

Chicken

Corn

Boat