



Clockwork Cones

The Task

To help pupils reinforce 'time' lessons from the classroom.

How

- This can be done in pairs, where each pupil will set up a simple clockface on the ground using different coloured cones.
- Firstly, set up with a simple 12, 3, 6, and 9 O'clock markers on a level surface. If you were standing in the middle of the clock you should be able to easily touch each marker with your feet.
- To start with, each partner would take it in turn to call out a time, for example 12 o'clock.
- The other partner would then have to touch the cone marking 12 O'clock with their foot.
- The difficulty can then be increased by firstly making the calls faster, changing which foot touches the cone to then increasing the distance between the cones to make it more of an agility challenge.



Considerations

- Choose an area big enough
- Progression for different age groups

What will you need?

Wide open space that's level.
4-12 different coloured cones
for each pair.





Clockwork Cones

Organisation & Layout

- Pupils work in pairs and each one collects 4 different coloured cones.
- Set up the area like a grid so that each participant is working next to each other.
- Each area should be set up with a cone marking the 12, 3, 6 and 9 o'clock positions. (Spacing! - Must be able to touch the cones from the centre with their feet)

Learning Objectives

- To reinforce 'time' lessons in the classroom.
- Identify the placement of numerals and hands on an analogue clock.
- Learn the expressions and meanings such as half past, quarter past, quarter to.
- Compare and contrast the hour and minute hands.
- Balance and co-ordination, agility and core strength.

Safety Information

- Ensure the clock/cones are reachable and a safe distance apart to avoid pupils potentially falling over repeatedly.
- Big wide open space and check for any surface hazards.
- A level surface is recommended.

Review & Assessment

- Which was your preferred foot?
- Were there any external factors?
- Progression - Can the pupils do it from a press up position? Combining using both hands and feet to touch the various cones.
- Adding in more numerals to complete a full clock face.
- How fast can pupils complete a number sequence.



Additional Links & Support

[Blairvadach Clock Work Cones - YouTube](#)

[Telling the time activities —www.mathsframe.co.uk](http://www.mathsframe.co.uk)