MEASURES - TIME

Stop the Clock ³¹⁵

In this online game, pupils match the written time in words with an interactive clock face. Minutes after the Hour ³¹⁶

Begin by looking at the minute hand on the analogue clock.

How long does it take the minute hand to get around the clock face once? Ask the pupils a number of questions about the time it takes for the minute hand to move between positions on the clock. Check by counting (in ones until the pupils notice that you can count in fives). Move the hands on the analogue clock to 20 minutes after 9. Ask: *What time is on the clock? How do you know? Can anyone tell me what 20 minutes after 9 would look like on the digital clock?* Repeat with other examples (initially limit this to minutes after the hour). List times on the board for pupils to draw clocks. Include both digital and analogue times. For example: Half past 3, 7:15, 25 minutes past 7, 2:40, 18 minutes past 10.

On Time ³¹⁷

This online game highlights the movement of the small hand on the clock as the big hand moves around. It requires accuracy in where the small hand is placed.

Wait a Second ³¹⁸

In this activity the pupils are encouraged to develop their own reference for a second, for example, a counting pattern "one – banana – two – banana – three etc".

Look at the second hand on a clock. *How long does it take for the second hand to travel once around the clock?* Ask for a couple of volunteers to stand at the front of the class (facing away from the clock). Ask them to put their hand up when they think 10 seconds has passed. Repeat with another two volunteers. Brainstorm ideas for estimating seconds. Let the pupils work in pairs to find their own method for estimating seconds. Ask them to record their method on a piece of paper for sharing. Share and check the accuracy of methods.

Flashing Lights 319

This problem requires pupils to apply their knowledge of seconds and minutes.

Time Tools 320

A variety of interactive games involving analogue, digital, a.m, p.m and 24-hour clock can be accessed via this link.



ICT On Time





³¹⁵ <u>http://www.teachingtime.co.uk/clock2/clockwordsres.html</u>

³¹⁶ <u>http://nzmaths.co.nz/resource/just-minute</u>

³¹⁷ <u>http://www.sheppardsoftware.com/mathgames/earlymath/on_time_game4.swf</u>

³¹⁸ <u>http://nzmaths.co.nz/resource/just-minute</u>

³¹⁹ <u>http://nrich.maths.org/1014</u>

³²⁰ <u>http://splash.abc.net.au/res/i/L9642/index.html</u>