



The **Teaching Packs** stopwatch includes a clearly labelled display that counts up from 0, a lap timer, a full screen display and an option to count milliseconds.

It works well on large screens (e.g. interactive whiteboards), desktop computers and mobile devices.

Try using the stopwatch tool in some of the following ways...

- Introduce the topic of time to your children. Start the stopwatch and ask what it is counting. Where have children seen stopwatches before?
- Discuss which numbers are changing. Why do the 'seconds' digits change so frequently? How often will the 'minutes' and 'hours' digits change? Talk about how many seconds are in one minute and how many minutes are in one hour.
- Pause the timer and ask children to add and subtract different amounts to the time shown, e.g. *What will the timer show in 30 seconds? What will it show in 25 minutes? What did it show 90 seconds ago?*
- Challenge your children to convert the times shown into seconds, e.g. *What is 00:05:32 in seconds?* Extend this to minutes and seconds.
- Use the milliseconds option and show how quickly these change. How many milliseconds are in one minute / ten minutes / one hour?
- Use the stopwatch to measure how long it takes the children to complete a task. Can they complete the same task again in a shorter period of time? Challenge the class, groups or individuals to complete a task in a specific period of time.
- Without showing the timer to the children, press 'Start' and ask them to estimate when one minute has passed by putting up their hand.
- Discuss the 'lap' option. When do we use lap timers? How are they used?
- Start the timer and use the 'lap' option at different intervals. Can your children work out the time differences between the lap records?
- Set up the timer on a mobile device and use it for timing everyday class activities and sporting events.

Members of **Teaching Packs** can access the Stopwatch tool at:

www.teachingpacks.co.uk/stopwatch/