Parent Information: Measuring Time

This week you will be learning about measuring time. We will not be teaching how to tell the time but rather the understanding of time as a form a measurement. It is a really good idea to read these slides and make sense of them yourself before going through them with your child, as you may need to have some resources ready. Always look to extend the activities if your child is really enjoying one. Each day starts with a 'What do you remember' from a previous topic. As the week progresses, there will be less powerpoint slides so you can spend more time exploring the idea practically in your house and environment.

The L:O stands for the learning objectives. These are what we want the children to be able to say by the end of the week.

Resources: Variety of devices which can be used for recording time eg, stopwatches, timers, clocks, sand timers, microwaves, oven timers. Whiteboards or pens and paper.

Day 1: What do you remember?

Last Week…

Can you find something that is a cylinder, a cube, and a rectangle?

As an example of how to extend: If your child enjoys this challenge, you could play a game where you take it in turns to go and find as many different 2D shapes as you can and name them. Next see which 3D shapes you can find and name them.

L:O Different ways of measuring time

- I can identify different ways of measuring time
- I know the meaning of past, present and future

Important words to use:
Shout them out loud

hours

minutes

seconds

weeks

days

years

months

We can describe when something happened, when it is happening. . . . . or when it will happen

Periods of time

Past

The period of time that **has already happened**.

When the pyramids were built in Ancient Egypt.

When you were born.

When you woke up this morning.

Present

The period of time that **is happening now**.

What are you doing at this exact moment?
Where are you?
Who are you with?
What are you thinking about?

Future

What will happen in the next few minutes?

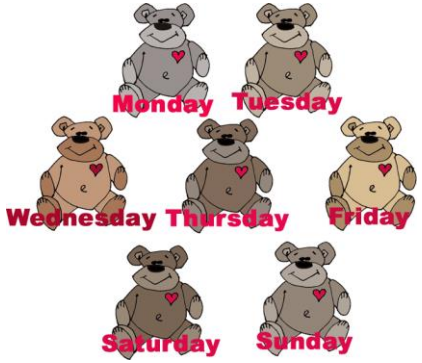
What will you be doing next week, next month or next year?

What will happen in 1000 years?

How can we measure time...

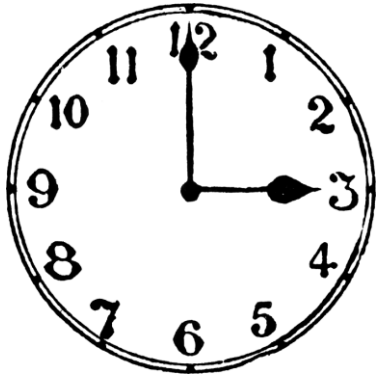
Years

Months



Weeks

Days

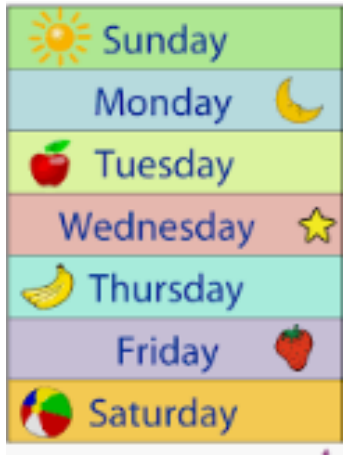


Hours

Minutes

Seconds

See if you can look at these words and then ask an adult to test you and see how many you can remember! Which month are we in now?



I'm thinking of a day of the week. It comes after Thursday...

Why do you think it is this day?

Do you have a favourite day? Why is it your favourite?

I am going to eat a rainbow cheese sandwich *tomorrow*! Is that the past, present or future?

Call it out. . .

Can you think of something you will do tomorrow?

See if you can find a photo from a long time ago.

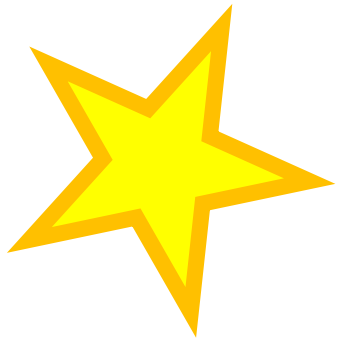
This is known as the past

Who is this lovely little boy!?

Can you take a photo of what you are doing right now?

This is known as the present

Challenge



Can you tell someone at home something you did yesterday, something you are doing today and something you will do tomorrow?

Think about the words *yesterday, I am.., I will be. . ..*

Day 2: What do you remember?

Last Week…

Can you find something which is a cube? Can you name something which is a cylinder shape?

Yesterday…

Can you say what day it was yesterday?

Important words to use:
Can you say them in a silly voice?

time

count

measure

minute

numbers

LO: What measures time?

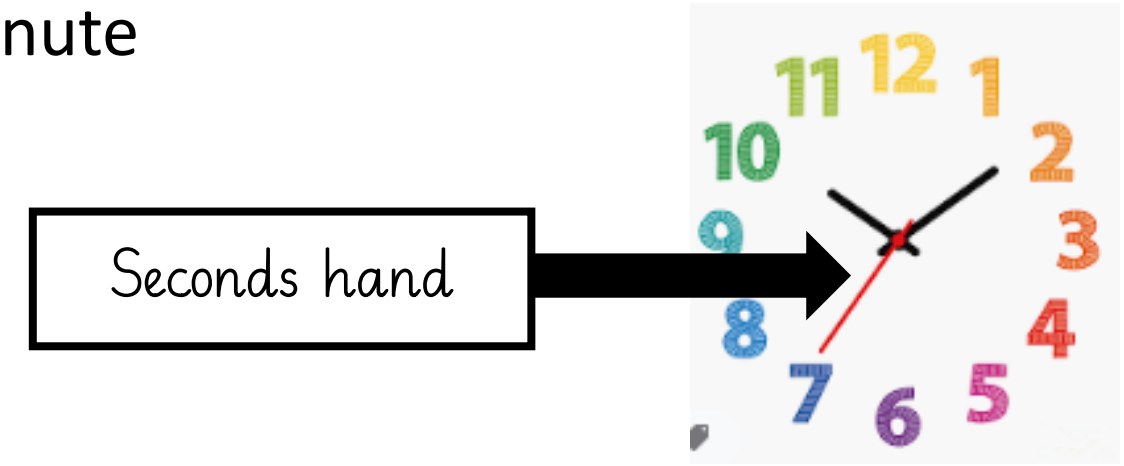
- I can find 3 things which measure time
- I can measure one minute
- I know how many seconds are in 1 minute

Look around your house and see how many different ways of measuring time, you can find. Can you find a clock? . . .a watch? . . .a timer? . . .a sand timer? . . .a stopwatch? What are these things used for? What numbers can you see? Take some photos or draw a picture of some different ways to measure time.

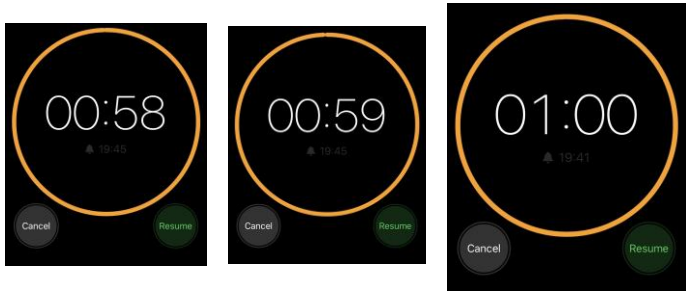
I wonder how many seconds are in one minute. . .

Did you know 1 minute is the same as 60 seconds!

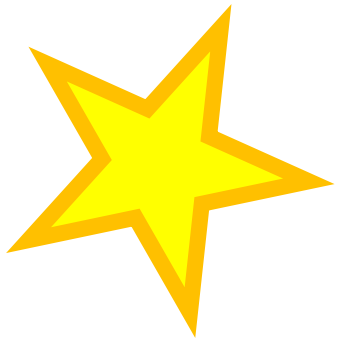
- When the seconds hand on the clock goes all the way round that is 1 minute



- When the timer reaches 60 seconds that is 1 minute



Challenge



Can you set all of your timers for 60 seconds or 1 minute? Did they all go off at the same time?

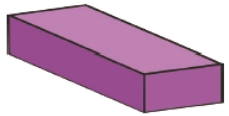
Challenge

When you brush your teeth, try different ways of timing 2 minutes. You could use a sand timer, a stopwatch, a kitchen timer or ask a grown-up to help you to use a clock.

Day 3: What do you remember?

Last week…

True or False... A cuboid has 6 faces



cuboid

Yesterday... How many seconds are there in 1 minute?

Important words to use:
Can you whisper them?

quickly

speed

slowly

faster

slower

LO:To understand the different ideas of time

- I can describe what quickly means
- I can describe what slowly means.
- I can record findings

What moves quickly
What moves slowly?

- On your whiteboard can you draw a line down the middle.

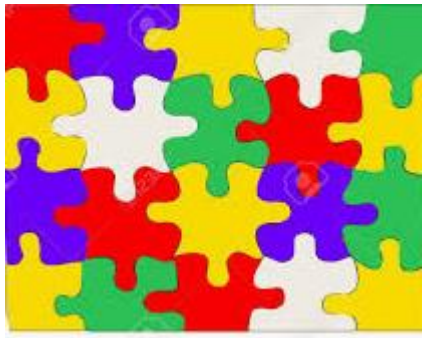
Quickly means to do something at a fast speed.

Slowly means to do something at a slow speed.

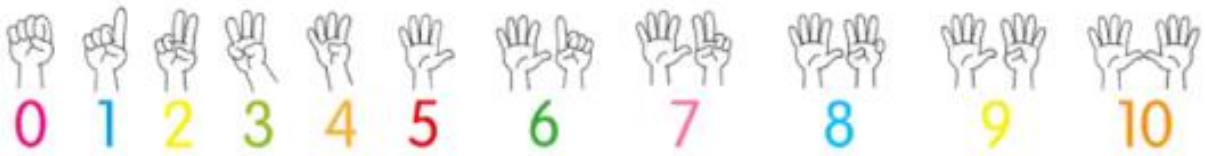
- Can you draw or write 3 things which move *quickly* on one side and 3 things which move *slowly* on the other?

Find a simple jigsaw puzzle to do. Use a clock or timer to see how long it takes you to complete the puzzle. Then, break the puzzle up and try again. Can you complete the puzzle more *quickly* on the second try?

Were you *quicker* or *slower* than your last attempt? Why?

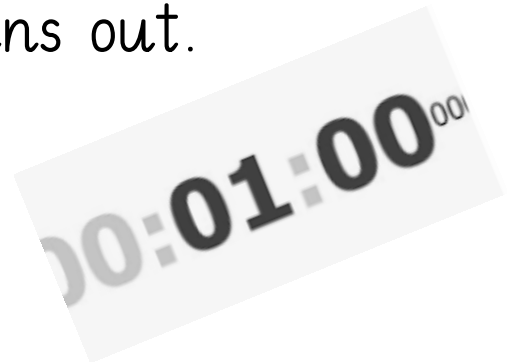


Play a game of hide and seek. When you are counting, whilst other people hide, try counting *slowly* to 10 or 20. Does this give the others enough time to hide? How could you give the others more or less time?



Challenge

Challenge a grown-up or a sibling to a 1-minute challenge! Use a stopwatch (a grown-up might have one on their phone), sand timer or clock to time 1 minute. See how many jumps, stretches, star jumps, hops or other actions each person can do before the time runs out. Who can do the most?



Record your results on a piece of paper so you can see who did the most.

Grown ups – NO CHEATING 😜

Day 4: What do you remember?

Last week...

What shape is this?

Yesterday. What does *quickly* mean?

LO: To make sensible estimates and use language related to estimation.

- I can use language of estimation
- I can record and compare my results

Important words to use:
Can you say them in a squeaky voice?

estimate

guess

results

record

findings

What is an estimation?

An estimation is a sensible guess

I think I can stack 300 bricks in 1 minute!

I think I can stack 10 bricks in 1 minute

Who has made a sensible guess, Chris or Connor?

How many bricks can you stack in 1 minute?

What would be a sensible estimation?

Write your estimations on your whiteboard. Set a timer for 1 minute and……..GO!

Can you make an estimation of how many cars you can see in one minute from your window or doorstep?

Set a timer for 1 minute and see how many cars you see.

Challenge

With a grown up can you each estimate how many times you can take your shoes on and off in 1 minute. Use your whiteboard to record how many times you each manage to do it.

Me	
IIII	4

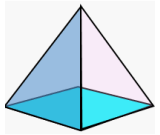
Grown up	
1	1

Make sure you say *'I estimate that……'* before making your estimation

Can you think of any other challenges you can time yourself doing? Make sure you estimate before starting each challenge!

Day 5: What do you remember?

Last Week… Tell your grown up as much as you can about this shape.



Yesterday… What does estimate mean?

LO: To assess my findings

- I can talk about my information
- I can identify who did more and who did less
- I can use language of quickest and slowest

Important words to use:
Can you say them in a silly voice?

more

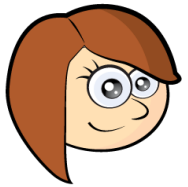
most

fewest

less

Create a table like the one below. Can you use your findings from the previous day to fill it in?

Name	Activity	Estimation	Result
Chris	Bricks	300	7
Connor	Bricks	10	9

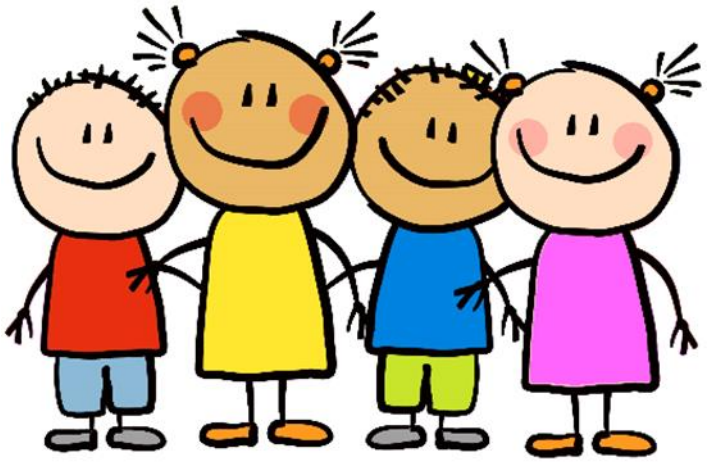


Were your estimations close?

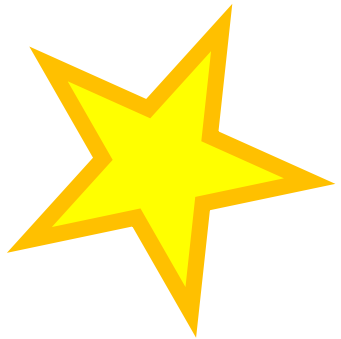
Who stacked more bricks?

Use your findings to see who did more. How many more did you/they do?

Who got their shoes on and off more times?



Challenge



Who can write their name the most times in 1 minute? Remember to estimate and record your findings

Challenge

Using a range of timers can you see who can get dressed the *quickest*? Make sure you record your findings so you can see who was *quickest* and who was *slowest*