



# What happens when?

## Ordering familiar events



**Children enjoy** keeping track of events with visual timetables and calendars.

**Adults could** take photos of regular events during the day with the children to make a timetable with removable pictures.

### The Activity

When the children are familiar with the timetable, take all the pictures off and ask the children to help you put them back in order. Then muddle them up and ask them to help you sort them out.

### Encouraging mathematical thinking and reasoning:

#### Describing

All the pictures have come off. Can we put on all the activities in order? What do we do first? Which activity do we do first/next/after... /before...? What day comes after today? Will it be yesterday/tomorrow? What day comes after/before Tuesday? How many sleeps is it until the weekend/our outing?

#### Reasoning

How do you know that goes there? First we have lunch, then we wash our hands oh isn't that right? Why not? Is it right that we go home first thing?

Invite children to make up 'silly' sequences and explain why they are silly.

What things would you like to do in a day? In what order and why?

#### Opening out

Can we start at home time and work backwards? Can we put the days of the week in order, but start with.... Tuesday? Our duck eggs will take a week to hatch - when will that be?

#### Recording

Can you take photos and make your own timetable? What would your favourite day look like from getting up to going to bed? Can you find a way to record how many sleeps it is up to your birthday, to show your friends? How can we record

# The Mathematical Journey

## Counting and Cardinality

Counting for a purpose.

Cardinal principle - the last number you say tells you how many.

## Number Symbols

Recognising numerals e.g. numbers on a clock, birthday date on the calendar.

## Measures - time

Vocabulary of 'before, 'after, 'next' times of the day e.g. afternoon, lunchtime, 3 o'clock. Duration of time in days or 'sleeps'.

## Development and Variation

Use other events for 'count downs' on the calendar e.g. children's birthdays, celebrations, Holidays.

Use growing things to predict when things will happen e.g. seeds germinating, sunflowers appearing.

Mix up photos of sequences, such as cooking or craft activities and ask children to put them in the right order; make pictorial concertina books of instructions to refer to.

## Resources

- Photos of daily events (or pictures, available from various sources).
- Tape and velcro to attach pictures
- Paper and sticky tape for making concertina books of instructions.

Arnold Lobel (1972) Frog and Toad Together: a list - this is a very funny story about Toad making a list of things to do in a day and then losing it. (<https://www.youtube.com/watch?v=vUGoolwxj0o>)

May						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10



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