

The Flourish Federation—Knowledge Organiser

Brookfield Infant and Junior Schools



Subject Focus:

Maths

Year 1 - Term 6

Measure (Time)

What? (Key Knowledge)

Compare, describe and solve practical problems using the language of: quicker, slower, earlier, later.
Tell the time to the nearest hour and half hour.
Sequence events in chronological order using the language of: before, after, next, first, today, yesterday, tomorrow,
Recognise and use language relating to: dates, days of the

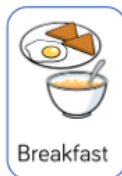
What? (Key Vocabulary)

Vocabulary	Comments
Analogue	The time when it is shown on a clock face with hands. (Children will be introduced to this time first and digital once they are secure).
Digital	The time when it is shown in numbers.
Short hour hand	This hand tells us what hour we are currently in.
Long minute hand	This hand tells us how many minutes into the hour we are.

Visuals/Diagrams

1. At the beginning of this unit, maths will involve lots of talking so the children have opportunities to hear and use the correct language.

Sort the activities into **before** and **after** school.



Breakfast



Bedtime story



Get dressed



Go to a party

Can you think of one more activity for each group?
Can you sort the activities into three groups labelled **morning**, **afternoon** and **evening**?

The 5th June is a Wednesday.
What day is the 10th June?

Fill in the missing days of the week and complete the sentences.

Sunday
Tuesday
Wednesday
Saturday

- Today is Wednesday, yesterday was ____.
- Yesterday was Monday, today is ____.
- Today is Saturday, tomorrow is ____.
- Tomorrow is _____, today is Wednesday.

Use a calendar to look at the names of the months.
Discuss special dates in different children's lives e.g. birthdays, celebrations, holidays.
Complete the sentences.

My birthday is in _____.

In _____, I went to _____.

2. When learning to tell the time, children should know that when the long minute hand is pointing to the 12 it is an O'clock time and when pointing to the 6 it is a half past time. They then should know to look at the small hour hand to see which hour it is or which hour it is halfway past.

3. Explore and compare the difference between seconds, minutes and hours.
This involves measuring how long it takes to complete different activities.

Would you measure the duration of the activities in seconds, minutes or hours? Sort the activities into three groups: seconds, minutes and hours.

Brushing teeth	Reading a book	Saying the alphabet
Holiday flight	Playing outside	Sleeping at night

Work in small groups.
Complete the following activities and record how long it takes each person.

- Build a tower of ten bricks.
- Run a lap of the playground.
- Write your name five times.

Write three sentences about each activity using the words **slower** and **faster**.

Examples of Reasoning



Who is telling the time correctly?



The time is half past 6

Dora

The time is half past 3



Amir



The time is half past 2

Alex

Can you spot the mistakes they've made?

Alex is correct.
Dora has confused the minute hand with the hour hand.
Amir has not noticed that the hour hand has not gone past 3 yet.

Dora is describing her day.



Dora

First, I went to the park.
After lunch, I went to the cinema.
Before the cinema, I went to a café for lunch.

Can you draw and label pictures to order Dora's day?



First



Next



Then

Children draw a picture so the 'First' box shows the park, the 'Next' box shows lunch and the 'Then' box shows cinema.



The time is 3 o'clock.



Amir

Can you spot Amir's mistake?

Amir has read the hour hand and the minute hand the wrong way round. At three o'clock the longer minute hand should be pointing at 12 and the shorter hour hand should be pointing at 3

Examples of Problem Solving

Are the units of time chosen sensible for these activities?

- A football match measured in seconds.
- A lap around the school playground measured in minutes.
- A birthday party measured in hours.

Explain your answers.

Not sensible - a football match is measured in minutes because to use seconds would involve very large numbers.

Dependent on the school playground, could be sensible, or it could be more sensible to measure in seconds.

Sensible - parties can last at least 2 hours.

Five friends are going to a party.
Use the clues to work out when each friend arrived.

Amir arrived later than Jack and Eva.
Rosie arrived later than Amir but earlier than Ron.
Eva arrived the earliest.

1st

2nd

3rd

4th

5th

1st - Eva
2nd - Jack
3rd - Amir
4th - Rosie
5th - Ron

ICT Opportunities

Purple Mash:

https://www.purplemash.com/#tab/pm-home/maths/time_topic

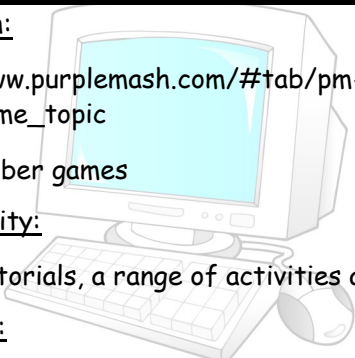
- Many Number games

Education City:

- Videos, tutorials, a range of activities and games

Manga High:

- A wealth of games, activities and competitions



Daily Maths

- Questioning during the register (How many people are absent? How many children are here? How many more children have school dinners than packed lunch).
- Lining up games - counting on/back, 2x, 5x and 10x table games
- Days of the week/months of the year

