

Numeracy Overview- teaching points for use, if required.

Area

To introduce the concept of area you could give your child some informal experience such as covering the table with newspaper or covering paper with paint. These activities begin to develop the idea about covering surfaces.

Introduce the term 'area' as the amount of surface.

-Use two shapes of different sizes (two footprints possibly) and place them on a table and ask 'Which footprint covers more of the table?'

-Show the footprints on top of each other and show that one has the greater surface area/smallest surface area.

-You could repeat with three objects/shapes.

-show your child two drawings of fish- one long thin fish and one short fat fish. Discuss which has the greater surface area. You could place the fish on top of each other and discuss how it is difficult to decide.

-Use counters/lego/buttons to cover the two fish and then count how many it took to cover each. Then ask again, which fish has the greater area?

-You could use the website <https://toytheater.com/area-perimeter-explorer/#%20> to explore area more as well as the PowerPoint presentation found in the Numeracy link.

-Finding the area by counting squares- Use the website above, again, to explore counting squares to find the area of a shape. Make shapes for given areas and also calculate the area of shapes by counting. This website helps to demonstrate that different shapes can have the same area <https://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/AreaShapesShoot.htm>

-Complete the activities in the PDF.

-Your child could use squared paper to draw their name in squares. They could count the area of their name and other names in their household.

-Extension- calculate the area by multiplying the length by the breadth.

Additionally, revise any difficult or challenging concepts with your child during this week and the weeks ahead. Less written activities will be provided to allow for these opportunities. If you require additional materials for any concepts taught during your time at home, feel free to contact me for resources or advice. lchapman832@c2kni.net