

Measures Manual Area Assessment Pack

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Assessment

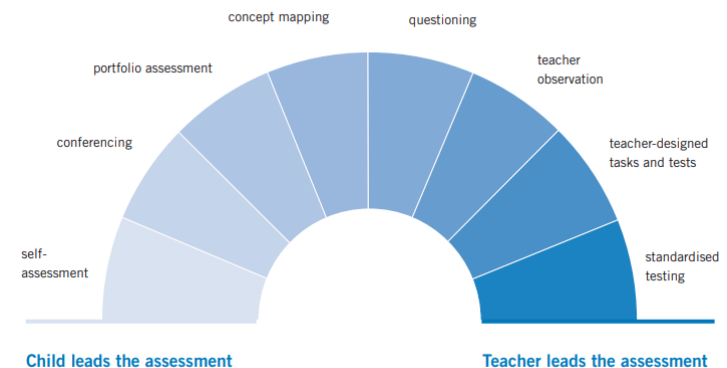
There are many forms of assessment that can be used effectively in mathematics lessons. The samples provided here are just a few. Please see the Assessment in the Primary School Curriculum: Guidelines for Schools (NCCA, 2007) for more information and guidance in relation to assessment – click the image to access these guidelines.

Two assessment checklists for each strand are provided in this assessment pack – one for whole class assessment and one for individual pupil assessment. The individual pupil assessment checklist can be used to ‘track’ a number of pupils in the class over the course of a year. Similarly, it can be used to ‘track’ pupils from infants to 6th class in Measures. It enables a dual-approach to assessment – assessment of the concepts of Measures in addition to assessment of the developmental mathematical experiences (concrete, pictorial, abstract). Finally, many assessment opportunities are inherent in the teaching and learning experiences throughout the Measures manual, for example:

- Self-assessment (learning logs)
- Conferencing
- Portfolio Assessment (learning logs)
- Concept Mapping
- Questioning
- Teacher Observation
- Teacher-designed tasks and tests





The Assessment Chapter (pages 112-121) of the Primary Maths Curriculum also provides further guidance on assessment

Throughout this manual, the blue rainbow symbol is used to highlight opportunities for assessment.







Individual Pupil Assessment





INDIVIDUAL PUPIL ASSESSMENT: AREA LEARNING TRAJECTORY LEVEL B

Individual Pupil Name	Developmental Experiences 		
Concepts	 Concrete	 Pictorial	 Abstract
Level B.1 Develop an understanding of the concept of area through exploration, discussion, and use of appropriate vocabulary.			
Level B.2 Estimate and measure area using non-standard units.			

INDIVIDUAL PUPIL ASSESSMENT: AREA LEARNING TRAJECTORY LEVEL C

Individual Pupil Name	Developmental Experiences 		
Concepts	 Concrete	 Pictorial	 Abstract
Level C.1 Estimate, compare and measure the area of regular and irregular shapes using non-standard units of measurement.			
Level C.2 Estimate, compare and measure the area of regular and irregular shapes using standard units of measurement: square centimetres & square metres.			

INDIVIDUAL PUPIL ASSESSMENT: TIME LEARNING TRAJECTORY LEVEL D

Individual Pupil Name	Developmental Experiences 		
Concepts	 Concrete	 Pictorial	 Abstract
Level D.1 Estimate, calculate and measure the area of regular and irregular 2D shapes.			
Level D.2 Compare visually square metres and square centimetres, identify the relationship between square metres and square centimetres and calculate area using square centimetres and square metres.			
Level D.3 Discover that the area of a rectangle is length by breadth.			
Level D.4 Recognise that the length of the perimeter of a rectangular shape does not determine the area of the shape.			
Level D.5 Measure the surface area of specified 3-D shapes.			
Level D.6 Find the area of a room from a scale plan.			
Level D.7 Calculate area using acres and hectares.			