



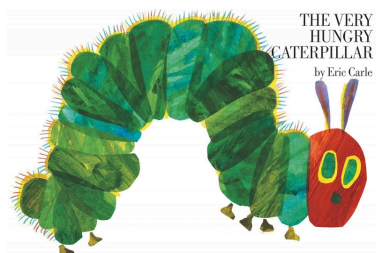
Caterpillars

Stage	Strand	Strand Unit
1	Measures	Measuring

Learning Outcomes	Maths Concepts
Through appropriately playful learning experiences, children should be able to demonstrate an awareness that attributes such as length, weight, capacity and area can be measured and compared.	- Objects have attributes that can be measured such as length, weight capacity and area. - One of the purposes of measurement is to compare. - We can compare and order things by how much of a particular attribute (physical quantity) they have relative to each other.

Learning Maths

1



In this learning experience, learners create caterpillars and compare them in terms of length. Materials used could include clay, playdough or links, but is not exhaustive. The importance of using a baseline to ensure learners start measuring their caterpillars from the same starting point should be highlighted, e.g. by lining the caterpillars up at the edge of the table.

Understanding and Connecting	Communicating	Reasoning	Applying and Problem Solving
<i>The learner</i>			
Engages in activities in which direct comparisons are made between objects, e.g. “ <i>John’s caterpillar is longer than Luke’s</i> ” etc.	Listens to and responds to a range of stories and rhymes involving the concept of measurement, e.g. <i>The Very Hungry Caterpillar</i> .	Predicts how the length of objects will compare to each other.	Compares and orders objects according to length.

¹ Image from <https://eric-carle.com/eric-carle-book-gallery/the-very-hungry-caterpillar-1969/>



Teaching Maths		
Fostering Productive Disposition		Encouraging Playfulness with Mathematics
Give learners opportunities to interact and work collaboratively with their peers when measuring.		Provide children with modelling clay or playdough and pictures of caterpillars, and invite them to create their own caterpillars.
Encourage children to notice, explore and discuss patterns and connections.		Introduce and reinforce mathematical language as it arises through play, e.g. • Is longer/ shorter/ taller than • Measuring • Predicting