



# Buried Treasure

Stage	Strand	Strand Unit
1	Measures	Money

Learning Outcomes	Maths Concepts
<ul style="list-style-type: none"> <li>Through appropriately playful and engaging learning experiences, children should be able to develop an awareness of money and it's uses.</li> </ul>	<ul style="list-style-type: none"> <li>The units of money in Ireland are € euro and cent c.</li> </ul>

## Learning Maths

This multisensory learning experience involves learners digging for coins in a small tub filled with sand, rice, lentils or pasta etc. This activity is designed to develop learners' experiential knowledge of money, by asking learners to observe, describe, sort and order the coins they find. Learners share their observations about the coins. They investigate the various ways the coins can be sorted. They record and explain their ways of sorting the coins.

Understanding and Connecting	Communicating	Reasoning	Applying and Problem Solving
<i>The learner</i>			
<p>Recognises that coins hold different values.</p> <p>Explores the relationship between size and the monetary value of the coin.</p> <p>Interacts and collaborates with peers to identify coins.</p>	<p>Explains and justifies the strategy used to sort coins and compares it with their peers' strategies.</p> <p>Represents and records how they sorted the coins.</p>	<p>Argues and justifies their thinking when explaining how the coins were sorted.</p>	<p>Compares ideas, strategies and approaches with their peers.</p> <p>Describes the strategy of their peers and determines the criteria used for sorting.</p>

## Teaching Maths



Fostering Productive Disposition	Encouraging Playfulness with Mathematics
<p>Provide a rich and meaningful context for learning, by making connections between the task and learners' experiences of sorting coins.</p> <p>Encourage learners to make connections with previous sorting activities.</p>	<p>Provide opportunities for learners to explore and experiment with money by using the coins they found for other purposes eg, shop, restaurant.</p>

Emphasising Mathematical Modeling
<p>Provide a choice of materials for learners to record how they sorted the coins in a way that makes sense to them i.e. whiteboards, maths journal, virtual manipulatives.</p>

Using Cognitively Challenging Tasks	Promoting Maths Talk
<p>Provide learners with time to delve deeper into the task and to solve it in a variety of ways e.g. We found 2c/5c/10c the most/least.</p> <p>Appropriately stretch and deepen children's understanding by repeating the activity using coins of greater value or asking learners to order the coins on a number line.</p>	<p>Provide a safe environment for children to share and exchange their thinking, ideas and strategies. (<a href="#">Ronda's Four Freedoms</a>)</p> <p>Using strategic, skilful questioning, prompt learners to share their thinking and explain their sorting strategies. e.g. amount, size, colour, weight etc.</p>

Assessing Maths
<ul style="list-style-type: none"> <li>• Can learners describe how they have chosen to sort the coins?</li> <li>• Can learners explain their approach to ordering the coins?</li> <li>• Did learners notice which coin is worth the most/least? Add this to their Maths Journal</li> </ul>

Source
<p><a href="#">PDST Measures Manual p278</a></p>