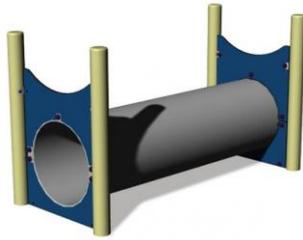




## Y3&4 – Maths using Measurement: Improving the outdoor spaces with links to Sustainable Travel - Lesson 3

<b>Objectives:</b>	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>
<b>Success Criteria:</b>	<ul style="list-style-type: none"> <li>Use of the context to choose items</li> <li>Accurate addition and subtraction</li> <li>Clear recording</li> </ul>
<p><b>Starter Activity:</b> Using the Catalogue and the Sale sheet, quick fire questions for single items from various amounts</p> <p><b>Task:</b> To make a list of play ground equipment and work the cost from the given catalogues.</p> <p><b>Teacher Input with key questions:</b> Go through the Playground Catalogue price list.</p> <p>Are there any items they would not want to buy? If not why not?</p> <p>Are there any that would be too good to miss?</p> <p>Are there any that they would like more than one of?</p> <p>Mention that there is a second sheet of Special offers – so the children will need to look carefully to compare prices and find out which is the best deal.</p> <p>Go over the strategies for calculating money. Choose 3 items and calculate as a class – children to work out using wipe boards and pens. Repeat until any misconceptions cleared up.</p>	<p><b>LA 2a – 3c</b></p> <p>LSA supported. Using playground Catalogue and Special offer sheet, create a list as a group and then copy up into maths books and calculate the cost – each child to choose one item. The budget is £3000 from the Catalogue and £2000 from the Sale sheet.</p> <p><b>MA 3C – 3B</b></p> <p>CT supported. Work in pairs choosing 4 or 5 items each and using both catalogues. Record: Name of item, Catalogue or Special offer sheet, cost of item, total cost. The budget is £3000 from the Catalogue and £2000 from the Sale sheet.</p> <p><b>HA 3b – 4c</b></p> <p>Independently. Individually calculate the cost of chosen items. Record: Name of item, Catalogue or Special offer sheet, cost of item, total cost. The budget is £3000 from the Catalogue and £2000 from the Sale sheet.</p> <p><b>Plenary</b></p> <p>Create a tall sheet of which items have been chosen to work out the most popular.</p> <p>What would be reasonable to ask for? What will the cost be?</p> <p>How will these things improve the health and well being of those using the space?</p> <p>Are there any items that were not in the catalogues that the children would like to use.</p>

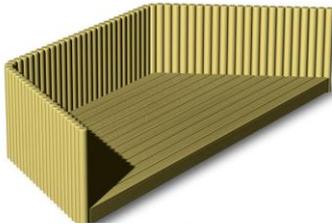
# Maths



Play Tunnel  
£350



Junior Swings  
£250



Stage  
£380



Team Swing  
£200



Mushroom Table  
£250



Slide  
£170



Bench  
£250



Planter (with plants)  
£55



Toddler Swings  
£350



Aero Whirl  
£50

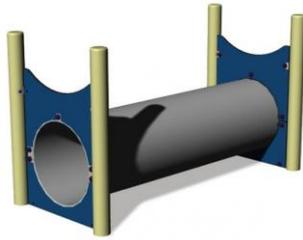


Roundabout  
£150



Sun Shade  
£550

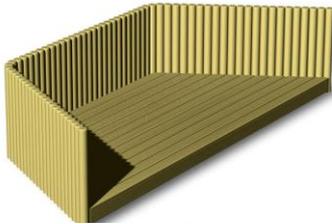
# Maths



Play Tunnel  
£1420



Junior Swings  
£1415



Stage  
£1500



Team Swing  
£1200



Mushroom Table  
£175



Slide  
£135



Bench  
£200



Planter (with plants)  
£410



Toddler Swings  
£565



Aero Whirl  
£185

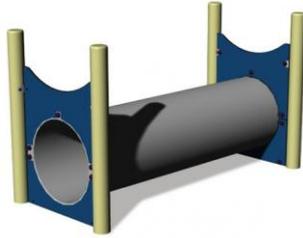


Roundabout  
£1100



Sun Shade  
£1500

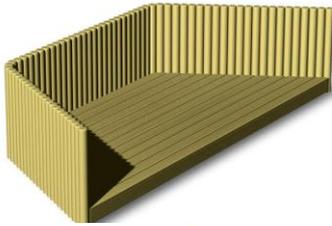
# Maths



Play Tunnel  
£1421



Junior Swings  
£1415



Stage  
£1497



Team Swing  
£1200



Mushroom Table  
£379



Slide  
£533



Bench  
£207



Planter (with plants)  
£141



Toddler Swings  
£1565



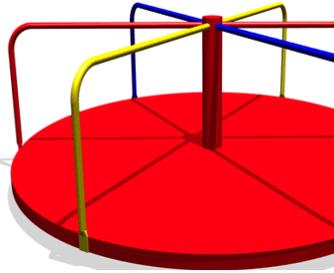
Aero Whirl  
£185



Roundabout  
£1102



Sun Shade  
£1577



# Playground Catalogue





## Ground Coverings

Bark:



Soft wood chippings. £20 per bag.

Lawn:



Lawn squares. Each square costs £5.

**SPECIAL OFFER\*\***

Buy one get one half price on squares!!!!

Rubber Tiles:



Bouncy and safe, Each tile measures  $1\text{m}^2$  and costs £5. Choose: Red, blue, green, yellow or orange- or why not mix and match?

## Equipment

Sand Pit:



Each sand pit has a perimeter of 12m. Holds up to 5 children at a time. Cost: £350

Pond:



This pond will certainly encourage wildlife to the playground! £262. It has a perimeter of 3m.

# Maths



This green house costs just £29 and has a perimeter of 4m

Junior Swing:



This wooden junior swing seats two and comes with safety barriers. Requires an area of 5m by 6m and costs just £380.

Parrot Seesaw:



Special sale price of £225 or 2 for £400. This seesaw requires a space of 2m by 5m.

Climbing frame:



This climbing frame is great for developing kids' agility, climbing and balance as well as providing hours of fun. 6 kids can play on it at once. Requires an area of 6m by 5m. Costs £490.



Swing:



This new round swing sits 4 children at a time! Introductory price for this product is £283. This swing requires a minimum area of 7m by 6m.

Slide:



This 5m long bumpy slide provides great thrills and excitement. Covers an area of 7m by 5m and costs £240. \*\*\*For this month only, buy this item for 10% less\*\*\*

Playground shelter:



Contains 2 lower pod seats and 2 elevated seats as well as a central post which can be used as a foot rest or additional seating. Roof protects against the elements for fun all year round! Requires an area of 8m by 7m and costs £605.

Gravity Bowl:



This rotating seat seats one person. The bowl is made from 100% stainless steel to withstand all weather. Area required is 3m<sup>2</sup> and price is £119.

\*\*\*Special offer: buy two for £180\*\*\*