

# Web Wheeler Dealer

## Teacher Notes

Web Wheeler Dealer is a game for two to four players that recreates the financial realities of buying and selling commodities on the web to make a small profit.

Players create collections that add value to their purchases and choose when they buy and sell so that they make the maximum profit. They also sell their wares in on-line auctions and learn that the selling price can be less as well as more than the market value of the product.

Pupils will need to be able to add, subtract and multiply and calculate percentage increase and decrease with or without a calculator. It is therefore ideal for pupils working at approximately level 5 of the national curriculum at Key Stage 3. It would also support the financial education of older pupils who need guidance on handling money.

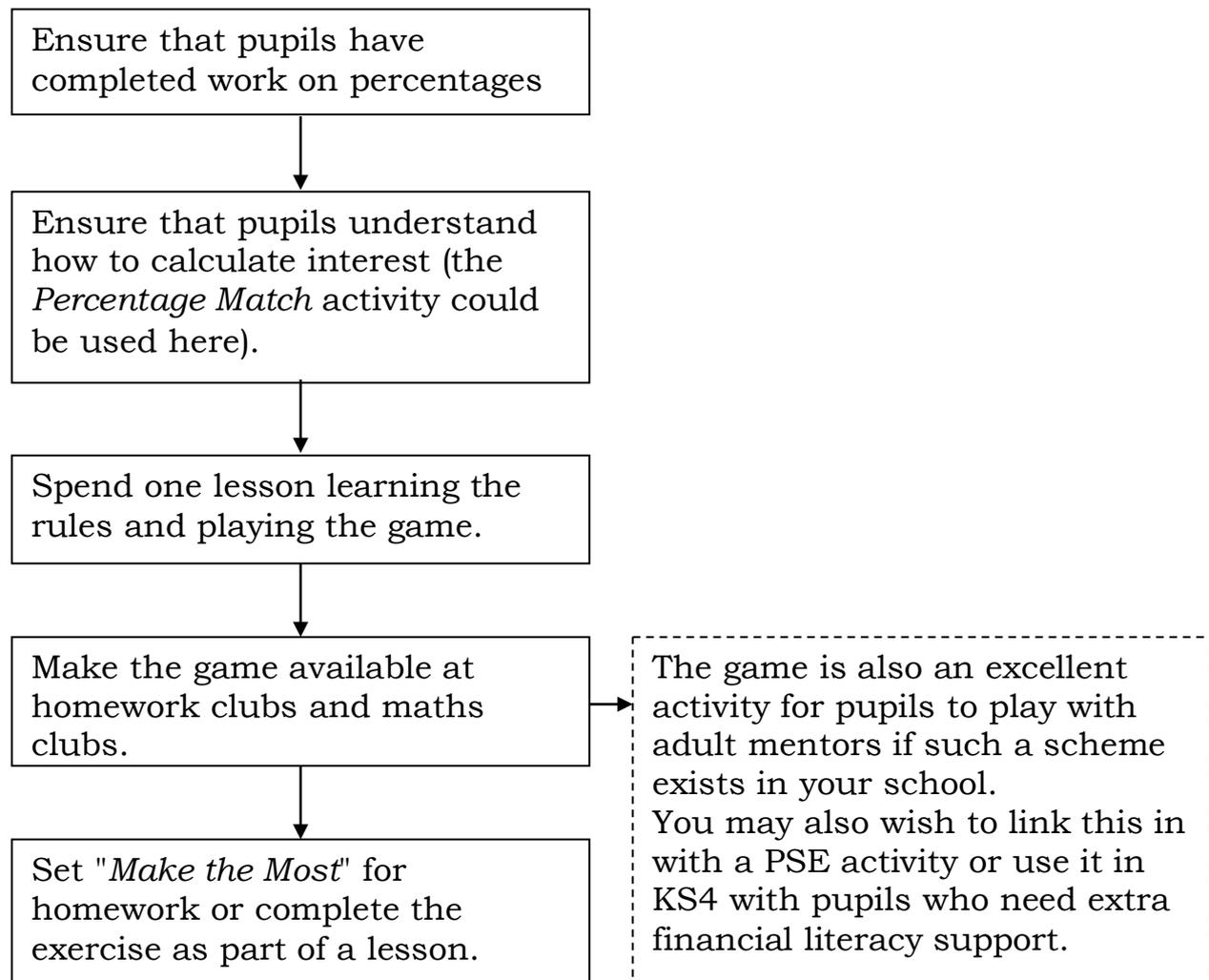
The game should last about 50 minutes but it is possible to play to a time limit or keep players' money and goods to one side in envelopes and continue in a later session.

The rules seem quite involved initially but it should only take one session for pupils to master them and play the first game. As there is strategy involved it is suggested that pupils do play regularly and that they are encouraged to reflect on winning strategies.

Pupils should be encouraged to play quickly so that they improve their mental arithmetic skills and it will ensure that their turn comes round sooner.

There are two activities that accompany the game. The first is a card matching activity that looks specifically at calculating percentage increases and decreases whilst the second is an exercise that applies the mathematical concepts developed in *Web Wheeler Dealer*. They can either be used together or separately. *Making the Most* should be done after the game has been played whilst the *Percentages Up and Down* activity can be completed either before or after playing Web Wheeler Dealer. The teacher must decide whether a calculator is used or not.

## Incorporating Web Wheeler Dealer into your scheme of work



The statement below is extracted from the DFES guidance for schools at Key Stages 3 regarding *financial capability through personal finance education* and is matched to *Web Wheeler Dealer*.

"During key stage 3, pupils learn about what influences how we spend or save money and how to become competent at managing personal money in a range of situations including those beyond their immediate experience."

"They learn to solve complex numerical problems involving money including calculating percentages, ratio and proportion"

"During key stage 4, pupils learn about financial decision-making and money management and to use a range of financial tools and services, including budgeting and saving, in managing personal money."

## Percentages Up and Down

Cut the cards out and match them up into groups of 3

In your books, choose three of the sets and explain how you calculate percentage increase and decrease.

Buying Price £120	30% increase	Selling Price £76
Buying Price £50	Buying Price £80	Selling Price £77
Buying Price £55	10% increase	Buying Price £60
10% decrease	40% decrease	20% decrease
Buying Price £95	20% increase	Selling Price £78
30% decrease	Selling Price £75	Selling Price £75
Selling Price £72	40% increase	Selling Price £84
Buying Price £70	Buying Price £125	Selling Price £77

# Make the Most

Find out how much profit these three people have made.  
Who made the most and who made the least?  
You must show all your working.

## Amjad

Bought	Sold
7 Chinese Vases £8 each	£72
10 stamps at £25 each	10% less
4 60's vinyl records at £15	20% more
20 collectable playing cards at £2.20 each	£65
6 Venetian glass bottles at £17 each	£88

## Ibrahim

Bought	Sold
9 Chinese Lamps £7 each	£114
6 china cups and saucers at £25 each	30% less
8 Victorian paintings at £15	40% more
12 collectable football figures at £8.50 each	£56
6 Rare videos at £28 each	£129

## Charlene

Bought	Sold
7 Indian miniature paintings at £7 each	£256
6 china cups and saucers at £35 each	40% less
8 Victorian paintings at £45	30% less
12 antique car badges at £7.50 each	£149
6 Rare football programmes at £38 each	£290