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Teachers' Notes

Doggy Treats – Co-ordinates

Doggy Treats can be used by individual pupils or pupils working in pairs, to promote knowledge and understanding of positive co-ordinates. The screen also lends itself to a whole class activity using a class computer or interactive whiteboard.

The various grids challenge pupils to find the position of the treats on the grid. The rows and columns are labelled offering pupils plenty of practice by suggesting appropriate coordinates. Each grid offers different challenges.

Teachers should introduce appropriate methods of recording for each age group. (e.g. (A,6) etc.) The key vocabulary is taken from the National Numeracy Strategy for Y3 and Y4.

Links to the National Curriculum:

Numeracy

Y3/4/5 Shape and Space: Position and direction using positive co-ordinates

Key Vocabulary: grid, row, column, map, plan, horizontal, vertical, diagonal position co-ordinates

Extension activities:

Y3: As an extension activity, pupils can design their own paper grids to challenge their classmates. A separate list of co-ordinates identifies the squares that their classmates must find.

Y4, 5, 6: Link to Geography, on squared paper make and use simple maps or plans based on those found in Doggy Treats, i.e. a plan of a pupil's own garden/ local park/ school field.

A) Use coordinates to describe the position of a feature or features.

B) Use list of coordinates to describe location of something hidden (i.e. a Treasure Map) for a friend to find.

C) Use coordinates to design a Treasure Hunt.

(These suggestions are in line with recommendations from National Numeracy Strategy.)

Link to Design Technology: Design a 3D Treasure Hunt. Half fill a sand tray with sand. Use string to mark out a grid over the sand tray. You will need lollipop markers for each square on the grid. Colour 10% blue, 5% green and 1% black and leave the rest blank. This game could be used as a fundraising activity at a school fair. Prizes – small sweets or lollipops - can be given to those who guess where the marked sticks are. (Rearrange them occasionally!)