

Title: Enriched cages

Subject Area: DT (Mathematics Ma3)

Key Stage 3

NC link: 1

Learning Objective:

- Children compare and contrast the area of Enriched cages proposed by the government for battery hens from 2007 to the area in the Omlet run.
- Children measure and draw plans to scale.
- Prepare some statistics for discussion.

Resources:

- Rulers, pencils and appropriate squared paper.
- Measuring equipment
- OHP with the Requirements for Enriched cages listed (see special notes).

Starter

Talk to the pupils about the proposed enriched cages for battery hens from 2007, see:

<http://www.publications.parliament.uk/pa/cm200203/cmselect/cmenvfru/779/779.pdf>

Main Teaching Activity:

- Set the children the challenge of drawing a plan of an enriched cage for 10 birds using an appropriate scale. Compare results.
- If there is time now challenge the children to measure and then make a plan of the Eglu using an appropriate scale. (alternatively use a photocopied plan for the next exercise).
- Now challenge the pupils to compare the two enclosures; focus on the needs of a chicken, comparison and statistics for discussion.

Plenary

- Ask each pupil to come up with an interesting statistic. Discuss.

Differentiation

Children can be given a blank plan to fill in measurements of the Eglu.

Special Notes:

Enriched Cages are required to provide;

- At least 750 cm² of cage area per hen, 600cm² which shall be useable ('usable area is defined as, other than any nesting area, used by laying hens at least 30cm wide, with a floor slope not exceeding 14% and with headroom of at least 45cm).the height of the cage other than that above the usable area, shall be at least 20cm at every point and no cage will have a total area of less than 2000cm².
- A nest
- Litter such that scratching and pecking are possible. (A dust bath.)
- Appropriate perches at least 15cm per hen.
- Suitable claw shortening devices. (Scratching pad.)
- There are also provisions for the requirement of food and water.