

## **Class 20 – Primary School Age Model / Project**

**Due: Friday 17<sup>th</sup> April 2014, 5.00pm**

### **BUILD A MODEL OF THE HOUSING SYSTEM FOR AN ANIMAL THAT PRODUCES FOOD OR FIBRE FOR US.**



Farmers who raise and care for the livestock that produce our food and clothes, use technology to help the **provide food, shelter and water to the animals**. To make sure the animals are alive and well farmers must check them regularly, arrange a vet if they are sick and keep dangerous predators away.

Many farmers have big sheds to ensure animals are safe, protecting them from the weather and dangerous animals. Many smaller producers use a smaller scale shed to house their animals, and many family with chickens have coops and chook houses in their backyards.

Either at school or at home, **investigate** what is **involved in building a housing system for an animal** used in agricultural production. This may be a coop for chickens, a milking barn for cows, or the pens in a shearing shed for sheep. **Research the materials** that are needed to build them and **design** plans of the layout of the structure. The **build a model** of your housing system using as many **recycled materials** as possible, keeping in mind:



- **Area** (how much space is needed)
- **Food** (what will they eat?)
- **Shelter** (Inside the shed, does it need trees?)
- **Machinery** (do they use machines to shear the sheep or milk the cows?)

The model submitted should be no bigger than 500mmx500mmx500mm and suitable for children aged 6-12. The model must be the entrant's own work, however may include components that have already been created (e.g. children's toys).

#### **Judging guidelines**

- Considered the needs of the animal being sheltered (i.e. food, water, shelter, shade, grass etc)
- Model shows research into technology and machinery where applicable.
- Model is well built and stable, and shows a strong design.
- Include an accompanying explanation and plans, showing a good understanding of the concepts and construction.
- The model shows creativity and imagination.
- Model adopts recycled or re-used materials.
- Name and contact details are clearly on the back of entry.