## SOLUTIONS

**Design and Technology quiz – Monday**

1. **When were these chairs designed (in what decade)? Do you know the names of the designers?**

   - **1928 - Le Corbusier**
   - **1950s - Grant Featherstone (Australian designer)**
   - **1982 – Peter Shire, Bel Air chair (Memphis style)**
     - [http://collections.vam.ac.uk/item/O1175028/bel-air-chair-shire-peter/](http://collections.vam.ac.uk/item/O1175028/bel-air-chair-shire-peter/)
   - **1904 – Charles Rennie Mackintosh**
     - [http://www.eframe.co.uk/blog/index.php/charles-rennie-mackintosh-for-the-home-6984.html](http://www.eframe.co.uk/blog/index.php/charles-rennie-mackintosh-for-the-home-6984.html)

2. **Name 3 simple mechanisms**
   - Lever, gear, pulley, cam, wheel and axle, screw, incline plane

3. **Name 2 natural fibres other than wool or cotton**
   - Mohair, angora, flax, linen, jute, hemp, alpaca, silk, etc.

4. **What is this Australian invention, and when was it invented?**
   - **The Cochlear Ear Implant – 1983**
     - Professor Graeme Clark
     - [http://www.powerhousemuseum.com/australia_innovates/behaviour=view_article&Section_id=1010&article_id=10001](http://www.powerhousemuseum.com/australia_innovates/behaviour=view_article&Section_id=1010&article_id=10001)
   - **BURGLAR ALARM**
     - The clockwork mechanism on this 1870s burglar alarm was wound up and the upright lever set, before the device was placed at the foot of a door and a spike pushed into the floor. If an intruder tried to enter, the lever would be pushed down and set off the surprisingly loud and effective bell.
     - [http://www.dailymail.co.uk/sciencetech/article-1045114/The-1920s-satnav-weird-wonderful-gadgets-quietly-take-off.html#ixzz4Dt1lzyTG](http://www.dailymail.co.uk/sciencetech/article-1045114/The-1920s-satnav-weird-wonderful-gadgets-quietly-take-off.html#ixzz4Dt1lzyTG)

5. **Mystery object**
   - **What do you think object does?**