### SOLUTIONS  Design and Technology quiz – Tuesday

1. Apart from being the name of a rock band, what does the acronym AC/DC stand for?
   - Alternating current, direct current (electricity)

2. What do the initials LED stand for?
   - Light Emitting Diode

3. When were these outfits designed? (In what decade?) Do you know the names of the designers?

<table>
<thead>
<tr>
<th>Outfit</th>
<th>Designer</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>The hills Hoist clothes line was invented in Australia. When? (Guess the decade)</td>
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<td>The Sunshine Header Harvester</td>
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<td>The baby safety capsule</td>
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</tbody>
</table>

4. Name 5 Australian timbers?

5. The Hills Hoist clothes line was invented in Australia. When? (Guess the decade)

6. When were these other Australian ideas invented? (Guess the decade)
   - The Sunshine Header Harvester – 1914
   - The Fairlight CMI Synthesiser – 1979
   - The Wiltshire ‘Staysharp’ knife – 1970
   - The Black Box flight recorder – 1961
   - The baby safety capsule – 1984

7. Mystery object
   - What is this object designed to do?

   - A wooden object, comprised of three separate blocks hinged to one solid block, noting the independent movement of the three top blocks.

   - This object is an old splicer used for editing 9.5mm film.
   1. Using a pair of scissors cut both ends of the film that need to be edited together.
   2. Place one end of film in the left hand side of splicer onto centre tooth and hold in place with left wooden clamp.
   3. Place other end of film in the right hand side of splicer over lapping the film on centre tooth and hold in place with right wooden clamp.
   4. Apply film cement between overlapping film and lower centre clamp. Leave locked for at least 15 seconds.