Design and Technology at Round Hill





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| D&T Overview |  |
| **Autumn Term** | **Spring Term** | **Summer Term** |
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|  **Year** **1 & 2****Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
| Stock Illustration - Generic structure icons. Clipart Drawing gg53863112 -  GoGraph**Playgrounds** | **Fabric Roll Clip Art at Clker.com - vector clip art online, royalty free &  public domainPuppets****Moving Christmas card** |  |  |  |  |
| **Year****1 & 2****Cycle** B | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | **Moving Christmas card** |  | **Moving picture** |  | universal symbol for food - Clip Art Library**Fruit kebabs** |
| **Year** **3 & 4****Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | **Egyptian Shaduf****Moving Christmas card** |  | universal symbol for food - Clip Art Library**Seasonal soup** |  | Fabric Roll Clip Art at Clker.com - vector clip art online, royalty free &  public domain**Pencil case** |
| **Year** **3 & 4****Cycle B** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|   |  | **Roman toy** | **Moving character** |  | Stock Illustration - Generic structure icons. Clipart Drawing gg53863112 -  GoGraph**Packaging** |
| **Year** **5 & 6****Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | **Light up Christmas card** |  | **Stock Illustration - Generic structure icons. Clipart Drawing gg53863112 -  GoGraphPlayground shelter** |  | Fabric Roll Clip Art at Clker.com - vector clip art online, royalty free &  public domain**Bag with fastening** |
| **Year** **5 & 6****Cycle B** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | **Fairground ride** |  |  | universal symbol for food - Clip Art Library**Fairtrade cookies** |  |

Questions

Enquiry Questions

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| **Autumn Term** | **Spring Term** | **Summer Term** |
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|  **Year** **1 & 2** **Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
| *How can we design & make a freestanding playground structure that is strong and stable?* | *-How can we join fabric together to make a 3D puppet?**-How can we make a moving card using sliders or levers?* |  |  |  |  |
| **Year****1 & 2****Cycle** B | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | *How can we make a moving card using sliders or levers?* |  | *How can we design & make a moving picture using wheels & axels?* |  | *How can we chop, peel or grate fruit to prepare a fruit kebab safely and hygienically?* |
| **Year** **3 & 4****Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | *-How can we use a pulley system to make an Egpytian shaduf?**-How can we make a moving card using levers and linkages?* |  | *How can we chop, peel, grate or slice ingredients and adapt recipes to prepare a soup safely and hygienically?* |  | *How can we design & make a fabric pencil case that looks good & is useful?* |
| **Year** **3 & 4****Cycle B** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|   |  | *How can we use cams to make a moving Roman toy?* | *How can we use a pneumatic system to make a character move?* |  | *How can we use a strong, stiff shell structure as packaging to protect biscuits?* |
| **Year** **5 & 6****Cycle A** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | *How can we make a light up Christmas card?* |  | *How can we use triangulation & cross beams to strengthen a 3D model?* |  | *How can we design & make a bag that looks good & fastens?* |
| **Year** **5 & 6****Cycle B** | Autumn 1. | Autumn 2. | Spring 1. | Spring 2. | Summer 1. | Summer 2. |
|  | *How can we use an electric motor to design & make a rotating fairground model?* |  |  | *How can we use fairtrade ingredients to prepare and bake cookies safely and hygienically?* |  |