

**National curriculum or specification coverage**

- Design: Investigate user needs and existing products; develop and communicate ideas using appropriate design criteria.
- Make: Select and use appropriate materials, tools and equipment to manufacture a quality product.
- Technical knowledge: Develop understanding of metal categories, properties, joining and finishing processes.
- Practical skills: Develop accuracy in measuring, marking out, cutting, shaping and joining metal.
- Evaluate: Analyse and reflect on materials, techniques, processes and final outcomes, identifying improvements.
- Health & Safety: Demonstrate safe, responsible and increasingly independent use of workshop tools and equipment.

| Date     | Exams/<br>Assessments | Learning Intentions                                                                                                                                                                                                                                                                                                     | Core Task/Assessments          |
|----------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 31/08/26 |                       | <ul style="list-style-type: none"> <li>• Understand the design process and analyse design tasks and existing products.</li> <li>• Develop safe measuring and marking-out skills.</li> <li>• Understand components and simple circuits.</li> <li>• Develop basic soldering skills and safe working practices.</li> </ul> | Task Analysis                  |
| 07/09/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 14/09/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 21/09/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 28/09/26 |                       |                                                                                                                                                                                                                                                                                                                         | Product Analysis               |
| 05/10/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 12/10/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 19/10/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 26/10/26 |                       | HALF TERM                                                                                                                                                                                                                                                                                                               |                                |
| 02/11/26 |                       | <ul style="list-style-type: none"> <li>• Develop specifications and design ideas.</li> <li>• Apply design skills to develop a mood light concept.</li> <li>• Develop practical making and assembly skills.</li> <li>• Apply safe and accurate workshop techniques.</li> </ul>                                           | Specification and Design Ideas |
| 09/11/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 16/11/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 23/11/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 30/11/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 07/12/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 14/12/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |
| 21/12/26 |                       | CHRISTMAS HOLIDAY                                                                                                                                                                                                                                                                                                       |                                |
| 28/12/26 |                       |                                                                                                                                                                                                                                                                                                                         |                                |

# Year 8 Long Term Scheme of Learning 2026-2027

## Subject: Design and Technology

|          |              |                                                                                                                                                                                                                                               |                                 |
|----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 04/01/27 |              | <ul style="list-style-type: none"><li>• Apply design skills to develop a mood light concept.</li><li>• Develop practical making and assembly skills.</li><li>• Apply safe and accurate workshop techniques.</li></ul>                         |                                 |
| 11/01/27 | Y8           |                                                                                                                                                                                                                                               |                                 |
| 18/01/27 | Y8           |                                                                                                                                                                                                                                               |                                 |
| 25/01/27 |              |                                                                                                                                                                                                                                               |                                 |
| 01/02/27 |              |                                                                                                                                                                                                                                               |                                 |
| 08/02/27 |              |                                                                                                                                                                                                                                               |                                 |
| 15/02/27 | HALF TERM    |                                                                                                                                                                                                                                               |                                 |
| 22/02/27 |              | <ul style="list-style-type: none"><li>• Develop soldering skills and safe working practices.</li><li>• Apply practical skills to assemble and complete a mood light.</li><li>• Evaluate and improve work through DIRT.</li></ul>              | Practical Development           |
| 01/03/27 |              |                                                                                                                                                                                                                                               |                                 |
| 08/03/27 |              |                                                                                                                                                                                                                                               |                                 |
| 15/03/27 |              |                                                                                                                                                                                                                                               |                                 |
| 22/03/27 |              |                                                                                                                                                                                                                                               |                                 |
| 29/03/27 | SPRING BREAK |                                                                                                                                                                                                                                               |                                 |
| 05/04/27 |              |                                                                                                                                                                                                                                               |                                 |
| 12/04/27 |              | <ul style="list-style-type: none"><li>• Develop knowledge of metal categories and their properties.</li><li>• Develop practical metalworking and shaping skills.</li></ul>                                                                    | Metalwork Practical Development |
| 19/04/27 |              |                                                                                                                                                                                                                                               |                                 |
| 26/04/27 |              |                                                                                                                                                                                                                                               |                                 |
| 03/05/27 |              |                                                                                                                                                                                                                                               |                                 |
| 10/05/27 |              |                                                                                                                                                                                                                                               |                                 |
| 17/05/27 |              |                                                                                                                                                                                                                                               |                                 |
| 24/05/27 |              |                                                                                                                                                                                                                                               |                                 |
| 31/05/27 | HALF TERM    |                                                                                                                                                                                                                                               |                                 |
| 07/06/27 | Y8           | <ul style="list-style-type: none"><li>• Further develop metalworking and shaping skills.</li><li>• Develop technical knowledge of tools, techniques and processes.</li><li>• Reflect on and evaluate practical skills and outcomes.</li></ul> | Written Progress Test           |
| 14/06/27 | Y8           |                                                                                                                                                                                                                                               |                                 |
| 21/06/27 |              |                                                                                                                                                                                                                                               |                                 |
| 28/06/27 |              |                                                                                                                                                                                                                                               |                                 |
| 05/07/27 |              |                                                                                                                                                                                                                                               |                                 |
| 12/07/27 |              |                                                                                                                                                                                                                                               |                                 |