

## Contents

|                |  |           |
|----------------|--|-----------|
| <b>Unit 1</b>  | <b>Metals</b>                              | <b>4</b>  |
| <b>Unit 2</b>  | <b>Alloys</b>                              | <b>6</b>  |
| <b>Unit 3</b>  | <b>Measurement</b>                         | <b>8</b>  |
| <b>Unit 4</b>  | <b>The properties of metals and alloys</b> | <b>10</b> |
| <b>Unit 5</b>  | <b>Hand tools</b>                          | <b>12</b> |
| <b>Unit 6</b>  | <b>Manual power tools</b>                  | <b>14</b> |
| <b>Unit 7</b>  | <b>Machine tools</b>                       | <b>16</b> |
| <b>Unit 8</b>  | <b>Metal processing</b>                    | <b>18</b> |
| <b>Unit 9</b>  | <b>Cutting metals</b>                      | <b>20</b> |
| <b>Unit 10</b> | <b>Shaping</b>                             | <b>22</b> |
| <b>Unit 11</b> | <b>Casting</b>                             | <b>24</b> |
| <b>Unit 12</b> | <b>Fixing devices</b>                      | <b>26</b> |
| <b>Unit 13</b> | <b>Industrial adhesives</b>                | <b>28</b> |
| <b>Unit 14</b> | <b>Welding and soldering</b>               | <b>30</b> |
| <b>Unit 15</b> | <b>Friction and lubrication (Part 1)</b>   | <b>32</b> |
| <b>Unit 16</b> | <b>Friction and lubrication (Part 2)</b>   | <b>34</b> |
| <b>Unit 17</b> | <b>Corrosion</b>                           | <b>36</b> |
| <b>Unit 18</b> | <b>Corrosion resistance</b>                | <b>38</b> |
| <b>Unit 19</b> | <b>Health and safety</b>                   | <b>40</b> |
| <b>Unit 20</b> | <b>Jobs</b>                                | <b>42</b> |

## Reference

|  |           |
|--|-----------|
| <b>Technical wordlist</b>                              | <b>46</b> |
| <b>Common chemical elements, compounds, and alloys</b> | <b>49</b> |