**Activity Sheet**

**Critical Path Analysis**

Utilise the following schedule to work out the earliest start times (EST) and latest start times (LST) on the diagram provided in this exercise. Find EST for each task by working forwards (from the Start) and the LST for each task by working backwards (from the End).

<table>
<thead>
<tr>
<th>Event Tasks</th>
<th>Duration</th>
<th>Predecessors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Examine feasibility of staging the event</td>
<td>10 days</td>
<td>None</td>
</tr>
<tr>
<td>2. Form organising committee</td>
<td>7 days</td>
<td>1</td>
</tr>
<tr>
<td>3. Bid for event</td>
<td>10 days</td>
<td>2</td>
</tr>
<tr>
<td>4. Appoint Event Director</td>
<td>30 days</td>
<td>2</td>
</tr>
<tr>
<td>5. Secure venue</td>
<td>20 days</td>
<td>4</td>
</tr>
<tr>
<td>6. Develop a detailed event management plan</td>
<td>150 days</td>
<td>4</td>
</tr>
<tr>
<td>7. Seek government funding</td>
<td>150 days</td>
<td>6</td>
</tr>
<tr>
<td>8. Seek major sponsors</td>
<td>150 days</td>
<td>5</td>
</tr>
<tr>
<td>9. Obtain specialty equipment</td>
<td>150 days</td>
<td>7</td>
</tr>
<tr>
<td>10. Select and notify important officials</td>
<td>20 days</td>
<td>6</td>
</tr>
<tr>
<td>11. Recruit team of volunteers</td>
<td>60 days</td>
<td>6</td>
</tr>
<tr>
<td>12. Book caterers</td>
<td>5 days</td>
<td>5</td>
</tr>
<tr>
<td>13. Produce promotional materials</td>
<td>10 days</td>
<td>8, 14, 10</td>
</tr>
<tr>
<td>14. Invite dignitaries</td>
<td>5 days</td>
<td>6</td>
</tr>
<tr>
<td>15. Recruit and train event volunteers</td>
<td>30 days</td>
<td>11</td>
</tr>
<tr>
<td>16. Develop event program</td>
<td>5 days</td>
<td>6</td>
</tr>
<tr>
<td>17. Register competitors</td>
<td>56 days</td>
<td>16</td>
</tr>
<tr>
<td>18. Commence media blitz</td>
<td>15 days</td>
<td>13</td>
</tr>
<tr>
<td>19. Transport equipment to venue</td>
<td>3 days</td>
<td>15, 9</td>
</tr>
<tr>
<td>20. Setup venue</td>
<td>3 days</td>
<td>19</td>
</tr>
<tr>
<td>21. Finalise competitors</td>
<td>2 days</td>
<td>17</td>
</tr>
<tr>
<td>22. Finalise catering arrangements</td>
<td>2 days</td>
<td>12</td>
</tr>
</tbody>
</table>