**Lesson 6 – 21st Century Skills Employability**

**Years: 10-12 Duration: 70 minutes**

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| Learning Objectives |
| By the end of this lesson, students will:   1. **Understand** the importance of 21st-century skills, Core Skills for Work (CSfW), and employability in today’s job market. 2. **Identify** lifelong learning skills necessary for adapting to career changes. 3. **Explore** how societal needs, economic conditions, and technological changes shape the structure and nature of work. 4. **Apply** knowledge to manufacturing careers by understanding the specific skills needed in these industries. |

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| Core Resources | Additional Resources |
| * Slide Deck * Worksheet 6.1 * Worksheet 6.2 * Handout 6.1 * Ai Interactive 6 – [Click Here](https://chatgpt.com/g/g-6780d0aca5708191b93e8b6b3efc095b-lesson-6-msq-career-education-short-course) * Industry Packs | * Manufacturing matters website |

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| Optional Homework |
| * Choose a specific manufacturing career (e.g., robotics technician, packaging engineer) and write a short summary about how it is changing.   **Reflect:** What 21st century skills are most important for this role? How will you develop these skills?  **Goal:** Understand that 21st century skills are the foundation of success in evolving industries. SLIDE 11 |

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| Content | Description | Resource | Time |
| 6.1 | **Introduction to 21st Century Skills and Employability**  **Activity:** Begin with a class discussion on what makes someone employable in the 21st century. Ask students   * What skills do they think are important for jobs today? * How do they think the workplace has changed over the last few decades?   **Key Points:**   * 21st Century Skills include communication, collaboration, digital literacy, critical thinking, and creativity. * The Core Skills for Work (CSfW) framework outlines skills needed for work, including problem-solving, teamwork, self-management, initiative, and adaptability. * Lifelong learning skills emphasise continuous personal and professional development, which is crucial as industries evolve rapidly.   **Contextual Example:** In the Aerospace and Defence industry, professionals must use critical thinking and digital literacy when dealing with advanced technology systems. In Renewables, the ability to adapt and problem-solve is essential as new energy sources are developed and integrated into the workforce. | Slide Deck  SLIDE 2  SLIDE 3  SLIDE 4 | 15 mins |
| 6.2 | **Exploring Core Skills for Work (CSfW) and Employability Skills**  **Activity:**   * Present slides about CSfW and their importance in preparing for future careers. Focus on how these skills apply across various industries. * Handout a CSfW checklist (Handout 6.1) for students to use to assess their own skills and identify areas for improvement.   **Group Discussion:** Break students into small groups to discuss how the CSfW are applied in different industries, then they identify one skill they think is most importance for their chosen career path and explain why. | Slide Deck  SLIDE 5  SLIDE 6  Worksheet  6.1 | 15 mins |
| 6.3 | **How Societal Needs, Economic Conditions and Technological Change Shape Work**  **Activity:**   * Students use the key information and examples provided to think about how societal needs and technological changes may impact the career they are interested in. * They write a short paragraph on how they think their chosen field might evolve over the next decade. | Slide Deck  SLIDE 7  SLIDE 8  Handout 6.1 | 20 mins |
| 6.4 | **Personal Reflection and Goal Setting**  **Reflection**: Distribute reflection sheets where students assess their current 21st century skills and CSfW.   * **List** their current skills and rate themselves on key employability skills * **Reflect** on how technological changes or societal needs might impact their future careers * **Set** one personal goal to improve a skill or prepare for a future career challenge * In pairs, **share** goals and discuss strategies for achieving them. | Slide Deck  SLIDE 9  Worksheet 6.2 | 15 mins |
| 6.5 | **Conclusion**  **Summary:** Emphasise the importance of lifelong learning and staying adaptable in a rapidly changing job market. Highlight the role of 21st-century skills in shaping successful career paths, particularly in evolving sectors like Renewables or Transport and Machinery.  **ChatBot:** Follow the links and prompts to utilise the AI ChatBot to consolidate and extend knowledge. | Slide Deck  SLIDE 10 | 5 mins |