



**MANUFACTURE 4.0**  
 Creating Tomorrow's Industrial Revolution Today

**Activity Guide: Manufacture Your Future (ONLINE)**

Exploring Budgeting and Careers

**Duration:** Approximately 45-60 min.

**Target Age Group:** Grades 8-12

Learning Objectives

- (1) Students will explore areas of budgeting and money management based on manufacturing careers which will lead to discussions of post-secondary options in manufacturing.
- (2) Students will identify types of training needed for manufacturing careers and how their career choices can impact their future lifestyles.

*Note: Depending on your class platform, we have provided a Google Sheet and a Microsoft Excel version to use with your students.*

Learning Activities	Timing	Virtual Resources	Notes
<u>Background and Review</u> <ul style="list-style-type: none"> <li>• What is manufacturing?</li> <li>• Skills for manufacturing careers</li> <li>• Types of manufacturing careers</li> </ul>	5 min.	Presentation slides Screenshare Chat	
<u>Manufacture Your Future (MYF)</u> <ul style="list-style-type: none"> <li>• Overview of task; explanation of how to use the spreadsheet</li> <li>• Students fill in the lines on the spreadsheet to make financial decisions about their own lifestyles.</li> </ul>	30 min.	Screenshare  MYF Spreadsheet ( <i>1 copy per student</i> ) <ul style="list-style-type: none"> <li>• <a href="#">Google Sheet Version</a></li> <li>• <a href="#">Microsoft Excel Version</a></li> </ul>	<p><i>Google Users:</i> Please save a copy of the linked Google Sheet to your Drive. If you upload it as an assignment to Google Classroom it should make a unique file for each student.</p> <p><i>Microsoft Users:</i> Please download a copy of the Microsoft Excel file and provide each student with their own unique copy to use.</p> <p>The instructor should guide students through each section of the spreadsheet, but students may go ahead to make their own decisions if they are comfortable.</p>



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<p><u>Reflection</u> Students may share with the class the decisions they made and how their careers/training affected their financial decisions.</p>	<p>10 min.</p>	<p>Screenshare Chat</p>	<p>Debrief Questions:</p> <ul style="list-style-type: none"><li>• What did you learn about how your job impacts your lifestyle?</li><li>• How does training/education affect your earnings/income?</li><li>• What surprised you?</li><li>• What would you change if you did this again?</li><li>• If you had money left over, what would your savings go towards?</li></ul>
<p><u>Extension (Optional)</u> Students can explore more information about specific STEM careers using Discovery Education videos.</p>		<p>Discovery Education videos: <a href="#">STEM Careers Coalition Careers Portal</a></p>	