

Lesson Plan for Virtual Manufacturing Day

45 Minute Career Awareness Activity that can be done independently by remote learning

Activator : Read content boxes that show data that provides an overview of number of people employed and how it is an the economic powerhouse.

Social Conscience: Student read and can research further how manufacturing builds upon the social conscience of making things for a purpose.

Mini-Lesson (purpose is to frame the learning by explaining why a student should bother with manufacturing). (6 Mins)

Governor Baker and Secretary Pesyer record keynote videos to discuss the importance of manufacturing in the Commonwealth and why students should be excited about these opportunities.

Mini-Lesson 2: (After looking at the word cloud, explain how the words relate to manufacturing). (3 Mins)

<https://padlet.com/acouturier1/jlmdw6dmvi4d>

Learning Activity (this is where students can explore and perhaps apply how these various sectors fit into manufacturing). (30 Mins.)

Idea: Tic Tac Toe: Pick 3 content boxes (approx. 10 minutes in each box). Included is a sample of links for a better overview. A resource list will be provided after the event to registered individuals.

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| 3D-Printing | Internet of things https://www.youtube.com/watch?v=R5RfSQ3Nxzq | Augmented Reality |
| Bio-Manufacturing | Local Companies | Career Interest Survey https://www.yourfutureinmanufacturing.com/quiz/ |
| Mechanical Manufacturing | Engineering/Design | Robotics |

Activity Survey/Print Certificate: We are not taking any direct information from students but will be directed to a certificate to print once completing the survey. This will help educators account for student participation.