STEM 101 Project Library is a course to explore the sciences and technologies related to the following engineering disciplines:

Agriculture | Architecture | Aviation | Coding | Biotechnology | Electronics | Energy | Engineering | Design | Food Science | Information Technology | Manufacturing | Medical | Sustainability | Transportation

STEM 101 Project Library Syllabus Headings

1. Characteristics and Scope of Technology
2. Core Concepts of Technology
3. Relationships of Technology
4. Cultural, Societal, Economic, and Political Effects of Technology
5. Effects of Technology on the Environment
6. Role of Society in the Development and Use of Technology
7. Influence of Technology on History
8. Attributes of Design
9. Engineering Design
10. Role of Troubleshooting, Research and Development, Invention and Innovation and Experimentation in Problem Solving
11. Ability to Apply the Design Process
12. Ability to Use and Maintain Technological Products and Systems
13. Ability to Assess the Impact of Products and Systems
14. Select and Use Medical Technologies Design
15. Select and Use Agriculture and Related Biotechnologies
16. Select and Use Energy and Power Technologies Design
17. Select and Use Information and Communication Technologies
18. Select and Use Transportation Technologies
19. Select and Use Manufacturing Technologies
20. Select and Use Construction Technologies