

Grades 9, 10, 11, 12

Adopted 2013

Interdependence of Science, Engineering, and Technology AJ.1

1. Science and engineering complement each other in the cycle known as research and development (R&D). 9-12.AJ.1.1
2. Many R&D projects may involve scientists, engineers, and others with wide ranges of expertise. 9-12.AJ.1.2

Influence of Engineering, Technology, and Science on Society and the Natural World AJ.2

1. Modern civilization depends on major technological systems, such as agriculture, health, water, energy, transportation, manufacturing, construction, and communications. 9-12.AJ.2.1
2. Engineers continuously modify these systems to increase benefits while decreasing costs and risks. 9-12.AJ.2.2
3. New technologies can have deep impacts on society and the environment, including some that were not anticipated. 9-12.AJ.2.3
4. Analysis of costs and benefits is a critical aspect of decisions about technology. 9-12.AJ.2.4