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