North Carolina CTE

Biomedical Technology I (2016): Grades 9, 10, 11, 12

Adopted 2016

Understand biomedical research. 1.00	**01.** Types of Biomedical Research 1.01
	02. Biomedical Research Methods 1.02
	03. Benefits of Biomedical Research 1.03
Understand the use and care of animals in biomedical research. 2.00	**01.** Use of Animals in Biomedical Research 2.01
	02. Care of Animals in Biomedical Research 2.02
	03. Emerging Issues in Animals Research 2.03
Understand the challenges to biomedical research. 3.00	**01.** Genetic Primer 3.01
	02. Therapeutic vs. Reproductive Cloning 3.02
	03. Geneticall Modified Organisms 3.03
	04. Regenerative Medicine 3.04
	05. Nanotechnology 3.05
Understand cell biology and cancer. 4.00	**01.** Understand Cancer 4.01
	02. Cancer and the Cell Cycle 4.02
	03. Cancer as a Multistep Process 4.03
	04. Cancer Prevention and Detection 4.04
	05. Cancer Treatment and Research 4.05
Understand emerging and re-emerging inf	**01.** Nature and Causes of Infectious Disease 5.01
	Modes of Transmission and Chain of Infection 5.02

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	03. Occurrences of Infecious Diseases 5.03
	04. Super Bugs 5.04
	05. Emerging and Re-emerging Infectious Diseases 5.05
	06. Vaccinations and Prevention of Infectious Diseases 5.06
Understand pathology and forensic science. 6.00	01. Diagnostic Services in Health Care 6.01
	02. Autopsy 6.02
	03. DNA Analysis 6.03
	04. Applications of Forensic Science 6.04