

Technology Concepts from the PLT Conceptual Framework (from Appendix 2 in the PreK-8 Guide)

Concept 1.4: Humans use tools and technologies to adapt and alter environments and resources to meet their physical, social, and cultural needs.

Concept 1.5: Technologies vary from simple hand tools to large-scale and complex machinery, mechanisms, and systems.

Concept 1.6: Successful technologies are those that are appropriate to the efficient and sustainable use of resources, and to the preservation and enhancement of environmental quality.

Concept 2.4: Resource management technologies interact and influence environmental quality; the acquisition, extraction, and transportation of natural resources; all life forms; and each other.

Concept 3.6: Resource management and technological systems can help societies meet, within limits, the needs of a growing human population.

Concept 3.7: Conservation technology enables humans to maintain and extend the productivity of vital resources.

Concept 4.4: Technologies vary in size, structure, and complexity and in their positive and negative effects on the environment.

Concept 4.5: Conservation and management technologies, when appropriately applied to the use or preservation of natural resources, can enhance and extend the usefulness of the resource, as well as the quality of the environment.

Concept 5.6: Technologies that are developed to meet the needs of an increasing world population should also be environmentally sound.

Concept 5.7: To be effective, new technologies require well-informed and highly skilled workers.