



Applied Design, Skills, and Technologies K-9 – Big Ideas

Grade	Design	Skills	Technologies
K-3	<ul style="list-style-type: none">• Designs grow out of natural curiosity.	<ul style="list-style-type: none">• Skills can be developed through play.	<ul style="list-style-type: none">• Technologies are tools that extend human capabilities.
4-5	<ul style="list-style-type: none">• Designs can be improved with prototyping and testing.	<ul style="list-style-type: none">• Skills are developed through practice, effort, and action.	<ul style="list-style-type: none">• The choice of technology and tools depends on the task.
6-8	<ul style="list-style-type: none">• Design can be responsive to identified needs.	<ul style="list-style-type: none">• Complex tasks require the acquisition of additional skills.	<ul style="list-style-type: none">• Complex tasks may require multiple tools and technologies.
9	<ul style="list-style-type: none">• Social, ethical, and sustainability considerations impact design.	<ul style="list-style-type: none">• Complex tasks require the sequencing of skills.	<ul style="list-style-type: none">• Complex tasks require different technologies and tools at different stages.

