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| **Strand: Students will be to analyze effects of textile characteristics on design, construction, care , use, and maintaince.** |
| **Topic: Textiles** |
| **Grade: 9-12** |
| **Score 4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.** | **Sample Activities** |
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|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success. |  |
| **Score 3.0** | **The student:*** Review and identify characteristics of natural fibers (example: cotton, wool, silk, linen,bamboo, hemp).
* Review and identify characteristics of synthetic and/or manmade fibers (example: polyester, nylon, rayon, acrylic, acetate, spandex, Olefin, fiberglass).
* Assess the characteristics of common fabrics.
* Review and identify various types of fabric finishes (example: stain resistant, fire resistant, wrinkle resistant, and waterproof).
* Evaluate methods of coloring, dyeing, printing, and finishing fabrics.
* Explain how fabric selection affects the finish of products.
* Explore and identify emerging fibers and fabric technologies (example: antimicrobial, wicking, electronic textiles, performance textiles).

**The student exhibits no major errors or omissions.** |  |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content. |  |
| **Score 2.0** | **There are no major errors or omissions regarding the simpler details and processes as the student:*** recognizes or recalls specific terminology, such as:
	+ Bast fiber, Blend, Boll, Boll weevil, Carding, Cellulose, Dry spinning, Filament, Fabric, Fiber, Flax, Fleece, Hand, Hydrophilic, Hydrophobic, Lint, Linters, Loom, Luster, Melt spinning, Natural Fibers, Polymer, Raw Wool, Retting, Rippling, Roving, Scutching, Seed Fiber, Sericulture, Shearing, Silkworm, Spindle Harvester, Spinneret, Staple Fiber, Stripper Harvester, Synthetic Fiber, Warp Threads, Wet spinning, Woolen, Yarn Nap, Felt, Yard, Ribbing, Jersey, Net, Microfiber, Acetate, Acrylic
* performs basic processes, such as:
	+ Identify the difference between natural and synthetic fibers 50% accuracy
	+ List characteristics of cotton, wool, polyester and rayon
	+ List and explain a few common finishes found on fabric
	+ Explain one or two methods of coloring, dyeing, or printing
	+ Explain why some fabrics are better than others when it comes to warmth, moister and ironing

**However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |  |
|  | **1.5** | Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content. |  |
| **Score 1.0** | **With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.** |
|  | **0.5** | With help, a partial understanding of the 2.0 content, but not the 3.0 content. |
| **Score 0.0** | **Even with help, no understanding or skill demonstrated.** |