Stain Removal Lab



**Lesson Plan Title:**

**Subject Area:**

Unit 2 Caring For Clothing

**Recommended course(s):**

 FACS I

**Aligned to NASAFACS Standards:**

16.2: Evaluate fiber and textile products and materials

16.2.5: Apply appropriate procedures for care of textile products

**Objectives:**

* Determine stain removal treatments

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| **Materials needed:****-Heavy duty plastic disposable plates****-Fabric squares****-Toothbrushes****-Hot/cold water****-Plastic disposable cups****-Permanent markers, highlighters, ink pens****-Various food stains (mustard, ketchup, soy sauce…)****-Variety of stain fighters, Dawn, Oxy-Clean, rubbing alcohol, peroxide etc…** | **Resources:****-FACS I Textbook Unit 2****-Unit 2 Activity Sheet #3****-Unit 2 Supplement: Stain Guide for Washable Fabrics****-Stain guide:** [**www.chemistry.co.nz/stain\_frame.htm**](http://www.chemistry.co.nz/stain_frame.htm)**-DIY:** [**www.doityourself.com/scat/cleaningstainremoval**](http://www.doityourself.com/scat/cleaningstainremoval)**-Stain solutions:** [**http://web.extension.illinois.edu/stain/index.cfm**](http://web.extension.illinois.edu/stain/index.cfm) |

**Lesson Summary/Outline:**

-Complete Unit 2 including all assignment sheets

-Explain that we are going to put our knowledge into a lab assignment to experience how to get out various stains.

-Every group will get two fabric samples, one for inks, one for food stains, 1 plate, 1 cup, 1 toothbrush

-I have two large tables in the kitchen and put a variety of “stains” and “cleaners” in the middle of each.

-Each group will make 2-3 stains on each of their fabric samples, then attempt to remove their stains using student supplement, or web information for home stain removal techniques.

**Motivator/Opening:**

1. Show a variety of stained garments, ask the groups to try and identify each “mystery stain” and which method to best get it out.
2. Demonstrate how soaps and detergents make water “wetter” enabling it to penetrate fabrics more. Page 25 teachers manual thoroughly

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| **Activities:****-Each group will take a plastic plate, cup and fabric samples and proceed to stain their samples.****-Each group will proceed to begin cleaning techniques with different results.****-Each group will either soak their still stained samples overnight or lay their samples out to dry****-Day two will consist of continuing to clean samples or cleaning up lab and laundering samples.****-Each group will document on paper, stains they chose to make, methods they used to clean the stains, and summary of what did and did not work.** | **Assignments:****-Complete Unit 2 Caring for Clothing** **-Complete : Unit 2 Assignment sheet #3 with student supplement on stain removal.****-End unit with lab stain cleaning experience** |

**Evaluation:**

Unit 2 has an exam that can be used

**UnUnit**

**Notes:**

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-Students have fun staining fabrics but then see the frustrations of trying to get the stains out. Some kids brought stains from home and used the methods to clean their own clothing.

-I encourage students to take home stain supplement home for future reference