

## **TEXTILES**

### Apparel Design & Production 1



#### LESSON PLAN NOTES

This lesson is meant to take place over 3 or 4 class periods. Each lesson should take approx. 20 min or less. Students will be given a handout booklet to take notes in. Textiles PPT, Fashion! Textbook and a couple of hands on activities.

Day 1, Introduce the fibers. Day 2, Review Fibers and discuss application/use, Stain Removal notes and discussion. Day 3, Notes and Discussion on Woven and Knit Fabrics, Stretch activity. Day 4, Notes and Discussion on Nonwoven, wool beads felting activity, Fabric sorting activity.

See Notes in PPT slides for additional details. My students are also working on their final project during this time. They get 20 min of instruction and 60 to sew on their projects.

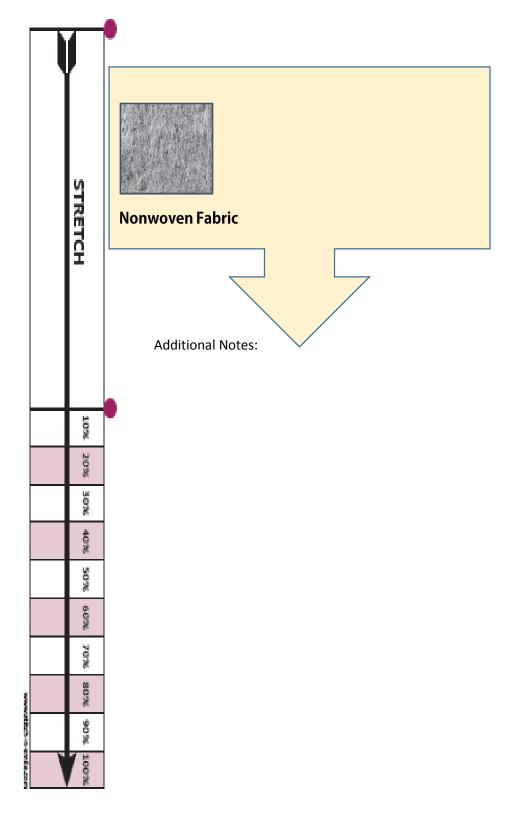
### **TEXTILES**

Student Name

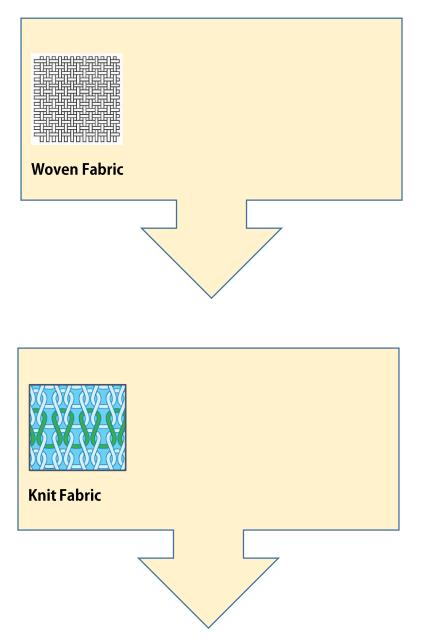
Definition Here:

# **Natural**

# Manufactured



## **Fabric Construction**



Using the FASHION! Textbook, copy the characteristics of the following fibers into the chart below:

Cotton	
Wool	
Linen	
Silk	
Nylon	
Polyester	
Spandex	
Acetate	
Acrylic	
Rayon	

What is a Blended Fiber?

Picture	Function: What Fiber will provide the function/needs?
1.	
2.	
3.	
4.	
5.	
6.	

#### Checklists & Charts: Stain Removal Basics

NOTE: This chart is for washable items only.

ARUCES with an eyedropper. Treat with an enzyme delergent, wash. If color pensists, apply several drops of hydrogen peroxide; let sit. Rinse; treat again with enzyme detergent, and wash.	STAIN	TREATMENT
detergent, and wash according to label instructions.  FRUIT OR VEGETABLE  [IJOR, Jam]  Seray diluted dishwashing-apas position on the stain to remove sugars. Using an eyedropper, film! the ama with white vivegar and then hydrogen personate to remove any remaining color. Follow up with an enzyme detergent to remove residue before washing.  Treat area with a dry solvent in a well-verifilated room. Press with cheesecioth; tamp with a soft-orisided trush. Repeat to remove a munch pigment as possible. Plush were with biopropyl alcohol, tamp, and let dry. Follow up with an enzyme detergent to remove munch pigment as possible. Plush were with biopropyl alcohol, tamp, and let dry. Follow up with an enzyme detergent to remove residue before washing.  RED WINE  Figure of the stain with cold wider, but significantly and the stain with water removes any munch in a soft-orisided color-state bleach, such as sodium percentionate; rewash.  Figure the stain with cold wider, and spray with diluted dishwashing-soap solution. Treat area with an enzyme detergent, and then mash.  COFFEE OR TEA  CHOCOLATE  Using an eyeologyer, fresh east will issuers, bloss or within stranger shapes fresh with the stain cold wider, and spray was with diluted dishwashing-soap solution. Then was the stronger bleach, is necessary. To hep remove sugar or milk, spray area with diluted dishwashing-soap solution, then wash with an enzyme detergent.  CHOCOLATE  Centify scrape off excess chocolate; spray were with diluted dishwashing-soap solution. Follow up with an enzyme detergent to enrow residue before washing.  Use a dull-edged kintle to remove excess spatics. Using an eyedropper, apply a dry solvent (such as mineral spirits or accione) in a well-verifitated room; tamp with a soft-eristed brank. Flush area with isopropyl alcohol, and tamp.  Use a dull-edged kintle to remove excess spatics. Using an eyedropper, apply a dry solvent (such as mineral spirits or accione) in a well-verifitated room; tamp with a soft-eristed brank. Flush with an enzyme detergen		isopropyl alcohol; dry well. Spray diluted dishwashing-soap solution on any remaining residue, and soak the Item in an
vincey and then hydrogen peruside to remove any remaining color. Follow up with an enzyme detergent to remove residue before washing.  Treat area with a dry solvent in a well-verifilated room. Press with cheesecloth; tamp with a soft-bristed brush. Repeat to remove as much plument as possible. Flath area with topropryl alcohol, tamp, and let dry. Follow up with an enzyme detergent to remove as much plument as possible. Flath area with topropryl alcohol, tamp, and let dry. Follow up with an enzyme detergent, and the remove residue before washing.  RED WINE  Spray diluted dishwashing-soap solution on stain; tamp with a soft-bristed brush. Flath with water, apply with vinegar, and or a color per alcoholor and provided nonchronizated color-able bleach, such as solution per analysis and let idend. If alon perulati, apply 1 or 2 drops of armonia to wet area. Flath with water. Treat with an enzyme detergent, wash. If stain is still there, apply a 1 or 2 drops of armonia to wet area. Flath with water. Treat with an enzyme detergent, and then wash.  COFFEE OR TEA  COFFEE OR TEA  Living as syndropper, flash evas with issues julius within white analysis to remove dater glave treat with a next with an enzyme detergent, and then wash.  Living as syndropper, flash evas with laws within white syndroper to remove dater glave treat with a next with a next within a sevenger bleved, if recessary. To help remove sugar or milit, spray area with diluted dishwashing-soap solution. Follow up with an enzyme detergent to remove residue before washing.  Lips Tick  Lips Tick  Lips and ull-edged kintle to remove excess lipstick. Using an eyedropper, apply a dry solvent (puch as mineral sprints or accome) in a well-entitlated room, tamp with a solvent group possible, and tamp. Repeat until all stain is removed, and let dry. Surray with diluted dishwashing-soap solution. Treat with an enzyme detergent, and wash.  Lips to freeze was or gunn, or place tem in the freezer, sorape or crack off as much as you can, then remove residue before washin		
berenove as much pigment as possible. Fluth area with isopropyl alcohol, bring, and let dry. Follow up with an enzyme detergent to remove residue before washing.  RED WINE  Spray diluted dishwashing-soop solution on stain; tamp with a soft-bristled brush. Flush with water, apply white vinegar, and fung; in stand is worred including, supply and an animal properties of the stand with a soft-bristled brush. Flush with water, and let industry, and it is dishort permiss, apply a powdered nonchiorinsted color-safe bleach, such as sodium percarbonate; rewash.  WHITE WINE  Flush the stain with cold water, and spray with diluted dishwashing-soop solution. Treat area with an enzyme detergent, and then wash.  COFFEE OR TEA  COFFEE OR TEA  Using as syndrogov, flush eves will be leaved julius or windo vinagar to remove caller there wash.  CHOCOLATE  Gently scrape off excess chocolate; spray area with diluted dishwashing-soop solution, then wash with an enzyme detergent to remove residue before washing.  Use a duli-deged kindle to remove excess lipstick. Using an eyedropper, apply a dry solvent (such as mineral spirits or accione) in a well-ventilated room, tamp with a soft-bristled brush. Flush area with isopropyl accionel, and lamp. Repeat wath all stain is removed, and let dry. Spray with diluted dishwashing-soop solution. Treat with an enzyme detergent, and scale is tain is removed, and let dry. Spray with diluted dishwashing-soop solution. Treat with an enzyme detergent, wash.  MUSTARD  Use ic to fireze wax or gum, or place tem in the freezer, scrape or crack off as much as you can, then remove residue with an enzyme detergent, and wash.  Sory sauce  Sory sauce  Final third deline as a grasse slab in an enzyme detergent, wash. If color perside, apply several drops of hydrogen perside; let all. Rinks, the same with an enzyme detergent, wash. If sain is sell there, apply white vinegar, and tamp; let devel several sell subtements and sell of the same. Final the water and wash.  Final third delines as grasse slab from perso		vinegar and then hydrogen peroxide to remove any remaining color. Follow up with an enzyme detergent to remove residue
RED WINE    Sumption of interest anomation floating, Bushin searches, apply foliating prematile, and list clariful, iffiditing prematile, apply a powdered nonchiorinated color-safe bleach, such as sodium percarbonater, rewash.    WHITE WINE   Flush the stain with cold water, and spray with diluted dishwashing-soap solution. Treat area with an enzyme detergrent, and then wash.   COFFEE OR TEA    COFFEE OR TEA    Using an expediatoper, flush area, wills issues judge with ship of the safe and the color-safe premove super or milk, spray area with diluted dishwashing-soap solution, then wash with an enzyme detergrent detergent, and the colors are super or milk, spray area with diluted dishwashing-soap solution, then wash with an enzyme detergent to remove residue before washing.    CHOCOLATE	GRASS	to remove as much pigment as possible. Flush area with isopropyl alcohol, tamp, and let dry. Follow up with an enzyme
COFFEE OR TEA  Living as syndrogous, flesh area, stills issues julius and within visuage to remove dainty flows treat with a stronger blowed, if necessary. To help remove sugar or milk, spray area with diluted dishwashing-soap solution, then wash with an enzyme detergent in remove residue before washing.  CHOCOLATE  Gently scrape off excess chocolate; spray area with diluted dishwashing-soap solution, then wash with an enzyme detergent to remove residue before washing.  Use a dull-edged knife to remove excess lipstick. Using an eyedropper, apply a dry solvent (such as mineral spirits or accions) in a well-ventilated room; tamp with a soft-bristled brush. Flush area with isopropyl alcohol, and tamp. Repeat until it stain is removed, and let dry, starry with diluted dishwashing-soap or crack off as much as you can, then remove residue with an oil solvent or mineral spirits. Rinse with isopropyl alcohol; let dry. Treat with an enzyme detergent, wash.  MUSTARD  Living as syndrogous, flesh also with isopropyl alcohol; let dry. Treat with an enzyme detergent, wash.  SAUCES (tomatio, kelchup, barbecue)  Scrape off sauce; spray area with diluted dishwashing-soap solution. Soak in tepid water. If color remains, apply white vinegar with an enzyme detergent, wash.  Spray with diluted dishwashing-soap solution, tamp with a soft-bristled brush. Flush with water, apply white vinegar, and tamp; he defended severed with an enzyme detergent, wash. If color persists, apply several drops of hydrogen persodic; let st. Rinse; treat again with enzyme detergent, wash. If solir remains, apply hydrogous persodic, well as for a 2 drops of an amount to west exterprent, and wash.  First, determine whether the link is oil-based or water-based by building a "dam" around the stain with mineral oil or petroleum jely, with an enzyme detergent, wash. If sain is still there, apply a with an enzyme detergent in wash.  First, determine whether the link is oil-based or water-based by building a "dam" around the stain with mineral oil or petroleum j	RED WINE	time, left shared arrowed milestone, Bush agails. If shain number, copyly by degree permitter, and left shared. If shain permitter, apply a 1 or 2 drops of ammonia to wet area. Flush with water. Treat with an enzyme detergent; wash. If shain is still there, apply a
CHOCOLATE  Gently scrape off excess chocolate; spray area with diluted dishwashing-soap solution, then wash with an enzyme detergent, detergent to remove residule before washing.  Use a dul-edged kind life to remove excess lipstick. Using an eyedropper, apply a dry solvent (such as mineral spirits or accione) in a well-ventilated room, tamp with a soft-visited brush. Flush area with sopropyl achohe, and tamp. Repeat until as status is removed, and let dry. Spray with diluted dishwashing-soap solution. Treat with an enzyme detergent, and wash.  WAX OR GUM  Use ice to freeze wax or gum, or place item in the freezers, scrape or crack off as much as you can, then remove residue with an dishwashing-soap solution. Treat with an enzyme detergent, wash.  MUSTARD  Listing or specification. Fiftee with isopropyl achohe; let day. Treat with an enzyme detergent, wash.  SAUCES  (tomato, ketchup, barbecue)  Scrape off sauce; spray area with diluted dishwashing-soap solution. Soak in tepid water. If color remains, apply white vinegar with an excyme detergent, wash. If color pensids, apply several drops of hydrogen percedic, let sit. Risks, the spray with district dishwashing-soap solution. Soak in tepid water. If color remains, apply white vinegar with an excyme detergent, and wash.  SOY SAUCE  SOY SAUCE  The state of the state spray area with district and such as solution. Soak in tepid water. If color remains, apply white vinegar, and tamp; let dend several dishwashing-soap solution. Soak in tepid water. If color remains, apply with an excyme detergent, and wash.  Sory sauce to read a solution and state spray area with a soft-visited brush. Flush with water, apply white vinegar, and tamp; let dend several winds and state sprays. If such arrandom, apply hydrogen perceition, such it solutions are such as a solution sprays hydrogen perceition, such it solutions are such as a solution sprays hydrogen perceition, such it solutions are such as a solution perceition and the state with water and another one saturated.  Final, the d	WHITE WINE	
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LIPSTICK  acctions) in a well-ventilated room, tamp with a sort-britisted brush. Flush area with isopropyl alcohol, and tamp. Repeat until all stain is removed, and let dry. Spray with diluted dehinashing-soap colution. Treat with an enzyme detergent, and wash.  Use ice to freeze wax or gum, or place item in the freezer, scrape or crack off as much as you can, then remove residue with an oil solvent or mineral spirits. Rinse with isopropyl alcohol; let dry. Treat with an enzyme detergent, wash.  MUSTARD  Living as appropriate the side of the state of the side of the state of the side of	CHOCOLATE	
MUSTARD  Listing as an advance; sprints Rinse with isopropyl alcohol; let dry. Treat with an enzyme detergent, wash.  MUSTARD  Listing as an advance; sprinty area with diluted dishwashing-soap solution. Soak in tepid water. If color remains, apply white vinegar with an eyedropper. Treat with an enzyme detergent, wash. If color pensists, apply several drops of hydrogen peroxide; let st. Rinse; treat again with enzyme detergent, and wash. If color pensists, apply several drops of hydrogen peroxide; let st. Rinse; treat again with enzyme detergent, and wash. If color pensists, apply several drops of hydrogen peroxide; let st. Rinse; treat spain an enzyme detergent, wash. If solir name, is a solid pensisted brush. Flush with water, apply white vinegar, and tamp; let wind several window, and flush spain. If dish name, the window pensiste, well for dish. If dish pensists, apply a powdered nonchromated color-safe bleach; such as sodium pensists, and the dish. If dish pensists, apply a powdered nonchromated color-safe bleach; such as sodium pensists, and the dish uses a grasse sident (see green, above). Then flash with disagra to nexten any remarking spail. Failors to with an enzyme detergent to remove residue before washing.  First, determine whether the link is oil-based or water-based by building a "dam" around the stain with mineral oil or petroleum jely, work within the conflines of the "dam." Treat the link with a cotton swab bashrated with water and another one saturated with shorping stool, if it sporping clorich gits affected in stank, rigolor be stating to build, in the special conduction if water of stank electric primers of shaneder.  BALLPOINT INK  BALLPOINT INK  Brists is a combination of must and gimes, livest gimes stable limit gene grass, showly. Brists or accept all residue; pretrect	LIPSTICK	acetone) in a well-ventilated room; tamp with a soft-bristled brush. Flush area with isopropyl alcohol, and tamp. Repeat until
SAUCES (tomato, ketchup, barbecue)  Sorape off sauce; grany area with diluted dishwashing-soap solution. Soak in tepid water. If color remains, apply white vinegar with an experiment of the same of	WAX OR GUM	Use ice to freeze wax or gum, or place item in the freezer, scrape or crack off as much as you can, then remove residue with an oil solvent or mineral spirits. Rinse with isopropyl alcohol; let dry. Treat with an enzyme detergent, wash.
with an eyedropper. Treat with an enzyme detergent, wash. If color pensists, apply several drops of hydrogen peroxider, let siz. Rince, treat again with enzyme detergent, and wash.  Spray with diluted dishwashing-soap solution; tamp with a soft-bristled brush. Flush with water, apply white vinegar, and tamp; let disn'd several similarity, will fill a soft-bristled brush. Flush with water, apply white vinegar, and tamp; let disn'd several similarity, will fill a soft-bristled brush. Flush with water, apply white vinegar, and tamp; let disn'd several similarity, will fill a soft-bristled brush. Flush with water, apply white vinegar, and tamp; let disn'd several similarity and tamper. Flush with water. Treat with an entryme detergent, wash. If soft-bristled brush, report and provided in a power of the several several percentage of the several several percentage of the several several several provided in a power of the several sever	MUSTARD	Using an apartagon; than whin with observage; from such with dilated distance large experience.
but during account with a significant sign		
up with an enzyme delergent to remove residue before washing.  First, delermine whether the ink is oil-bassed or water-based by building a "dam" around the stain with mineral oil or petroleum jelly, work within the confines of the "dam." Test the ink with a colton awab saturated with water and another one saturated with isopropyl school julis more pigment out of the stain, foliow the steps for ballpoint ink stains below. If water is more effective, surger by eather with the stain with diluted delivanshing-ones position, then flush cold water. Attendantly, to remove permanent marker, apply Amodex ink & Stain Remover to the stained area. For fabrics, gently rub with a brush, then rinse or launder.  Build a "dam" around the stain with mineral oil or petroleum jelly. Allways work within the confines of the dam. That are with its perpoyal schools using an eyedropper. Remove any remaining pigment with a dry solvent in a well-verifisted room; let dry. Rinse with distinct dishwashing-open position, then wash with an engane delergent in was well-entitled of the dam. That are with the property of elegents in wash with an engane delergent in wash.	SOY SAUCE	1 or 2 drops of ammonia to wet area. Flush with water. Treat with an enzyme detergent; wash. If stain is still there, apply a
FELT-TIP INK	VINAIGRETTE	Plant, track dath an argument data (per groups, above). Then facility with white shapes to remove any remaining spall. Pollow up with an enzyme detergent to remove residue before weaking.
BALLPOINT INK superpol alcohol using an eyedropper. Remove any remaining pigment with a dry solvent in a well-ventilated room; let dry. Rines with dulind dishwashing-posposition, them wash with an ensymmetric delergent in world dishwashing-posposition. The mash with with the company of the post of the company of the com	FELT-TIP INK	Jelly, work within the confines of the 'dam.' Test the link with a coltion saveb saturated with water and another one saturated with isopropy six concle. If its prompt scored poils more pigment out of the stain, folious the steps for ballopint int stains below. If water is more effective, grony the stain with diluted dishwashing-soap solution, then flush with cold water. Alternately, to remove permanent marker, apply Amodex in it. & Stain Remover to the statend area, Enrobbrick, grently not with a brush, then
	BALLPOINT INK	isopropyl alcohol using an eyedropper. Remove any remaining pigment with a dry solvent in a well-ventilated room; let dry.
	MUD	

The diluted-soap solutions called for above is made with 1 tablespoon of fragrance- and dye-free liquid soap (containing sodium laurel suifate, or sodium laurel suifate, or sodium laurel suifate) and ILS ources of vasior. Paul II find a firty spray lodds. Do not use the arrayem detemper, called for bibbs, or pushin filters, each an ellit, word, parintens, or angers. Always wash fabric after using a dry solvent (such as mineral spirits or accionel), and do not use accione on acciate. Amoder is a nonlocid cream effective at removing everyday stains including init, food stains, greazelut, wine, blood, grass, and more from most fabrics.



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## **Prewashing:** (when and why)