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Effects Of Heat On Fabrics

The purpose of this experiment is to find out what effect heat has on different fabrics. The results could be important for my future if my choice for a future job is to become a fire fighter. If more people were careful of what fabrics are the safest, then someone who plans to try to become a fire fighter or deal with heat in the future could put work into getting a uniform that is safe to wear. Even though the cotton was the first to have any effect in the oven, the denim held up pretty well in its tests. In the oven the only thing that really happened to the blue polyester pajamas was that it started to curl at 240 seconds. The safest materials to wear near heat are either polyester pajamas or denim. In conclusion, the safest material to wear when near an open flame is cotton denim or any other material that is tightly woven. Cotton denim is the safest to wear near open flame because of its tightly woven composition. It is the fabric that took the least amount of damage when using a lighter. In plain heat the best fabric to wear is either cotton or a 50/50 cotton/polyester blend, which took the least amount of damage when in the oven. The fabrics to avoid the most when dealing with open flame are those that are composed of cotton and 40/60 cotton/polyester.