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*Space vs. Sheep: Which is Warmer?*

I had been wondering which blanket was able to retain the most heat in an emergency situation. I got my answer by testing a space blanket and a wool blanket. The motive for this experiment was the fact that when people go on a hike, fishing, or any other outdoor activity they never know what blanket they need to take in case of an emergency. The reason I care about his problem is that I do go camping a lot and I wonder the same thing. To obtain these results I tested convective heat loss. This is when temperature is transferred from one thing to another. I took two subjects, one child and one adult, and had them step into a chilled area with the blankets. I had them put the blankets over themselves, one a wool and one a space blanket, with a thermometer in a blanket with them. After waiting ten minutes they stepped out and recorded the data. After that, they switched blankets and repeated the test. I did this until I got constant results. My findings were that the space blanket with 28.45° inside for the adult and 25.9° for the child. The wool blanket got 24.5° for the child and 23.63° for the adult. From these results it is clear that the space blanket retained more heat. In conclusion, I found that it will be better to carry a space blanket over a wool blanket due to the greater amount of heat retained.