Materials Investigation: Stretchy

Just like some materials are more flexible than others, some materials are more stretchy than others. Some objects and clothing are best made from stretchy materials and some are better made from materials that do not stretch. Many athletes wear stretchy materials that will cling tight to them because if they wore materials that were loose it would hinder their movements. Therefore, it is important to choose materials that have the right stretchiness for the job required.

Today we are going to be investigating which material are stretchy. Discuss with an adult which materials you think are stretchy and which materials are not. How do you think we can investigate which materials are stretchy? In order to conduct our investigation, we need different types of materials to compare. For this experiment you will need.

* Cloth
* Cotton
* Playdough
* Spoon
* Lycra

If you do not have some of the materials don’t worry, we can substitute a different material instead.

When conducting our investigation pick up the object you are going to test and gently begin pulling the sides to see if it stretches. Record in the table below whether the object stretches or not.

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| **Material** | **Object** | **Does Stretch** | **Doesn’t Stretch** |
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