These laminated sheets of liquid crystal are temperature sensitive. The plastic sheets remain black except for a five-degree temperature range in which they display a series of colors that reflect the actual temperature of the crystal. Using sheets that change colors at different temperatures opens up a world of possibilities for experimentation. Please note that the effects of temperature on each of the liquid crystals depend upon the ambient temperature of the surroundings

**LIQUID CRYSTAL SHEET, 20-25oC TRANSITION (68-77oF)**

This liquid crystal sheet changes color at a transition point just about equal to room temperature. Depending on the ambient temperature of your room, this liquid crystal will change its color by the heat of your hand, an ice cube or a can of cold soda. The material can be easily cut with scissors.

**LIQUID CRYSTAL SHEET, 25-30oC TRANSITION (77-86oF)**

This liquid crystal sheet is so sensitive that it can detect the heat print your hand leaves behind! Place your hand on a book for a few seconds, then remove your hand and place the liquid crystal sheet over the spot where your hand was located. Observe as the liquid crystal changes color and makes visible your hand's heat print. Or, simply touch the material and observe the print left by the heat of your hand. The material can be easily cut with scissors.

**LIQUID CRYSTAL SHEET, 30-35oC TRANSITION (86-95oF)**

This liquid crystal sheet changes color just slightly below body temperature. Placing the sheet near a gentle heat source or warming it with your hands causes the liquid crystal to change color, indicating areas of differing temperature. Try holding a strip against your arm and observe your veins! The material can be easily cut with scissors.

These and other temperature ranges are available. Sizes are approximate. Order by temperature range.

Information received from:

<http://www.teachersource.com/product/liquid-crystal-sheets-4x4-inch/chemistry>