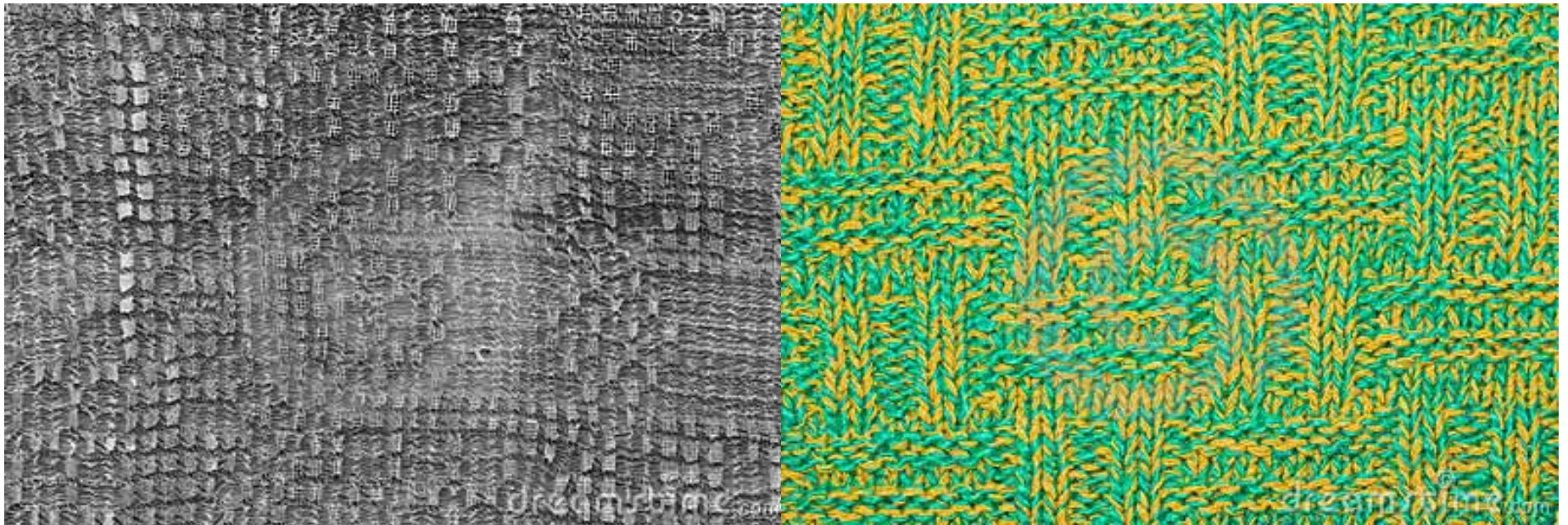


Thermometric Yarns & Knit Structures



QUESTION

What role can textiles and interiors play in informing us about exterior conditions?

CONCEPT

To create a series of textiles that are augmented by exterior conditions like weather or temperature.

PERVIOUS PROJECT

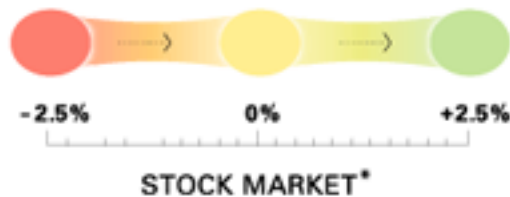


INSPIRATION

Ambient Orb

A glass lamp that uses color to show weather forecasts, trends in the market, or the traffic on your homeward commute.

The Orb arrives preset to track the Dow Jones Industrial Average, glowing more green or red to indicate market movement up or down, or yellow when the market is calm. It can be customized to a set of free channels, such as market indices or weather in major cities. Optionally, you can upgrade to access more premium channels, such as your customized portfolio for \$6.95/mo



The New York Times
The Year in Ideas

"This is "ambient information" — the newest concept in how to monitor everyday data. We've been cramming stock tips, horoscopes and news items onto our computers and cellphones — forcing us to peer constantly at little screens. What if we've been precisely wrong?"

TIME

INSPIRATION



News Knitter

INSPIRATION



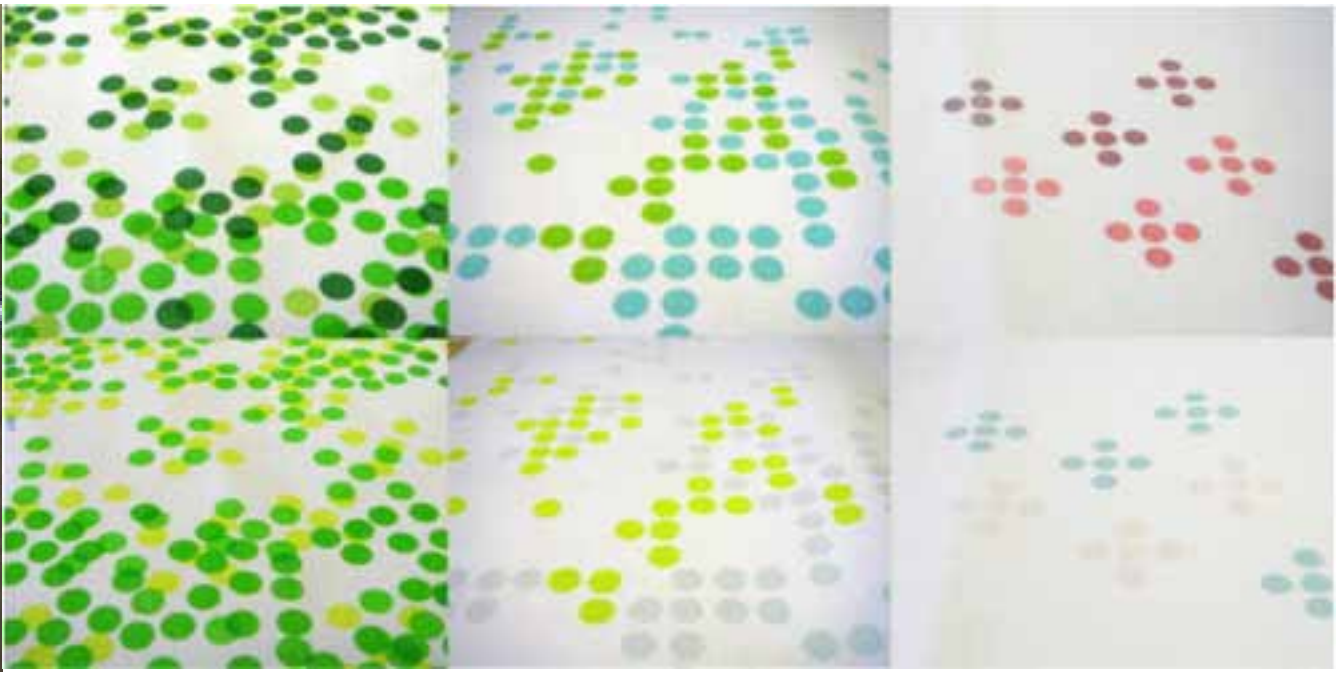
XS Labs:

INSPIRATION



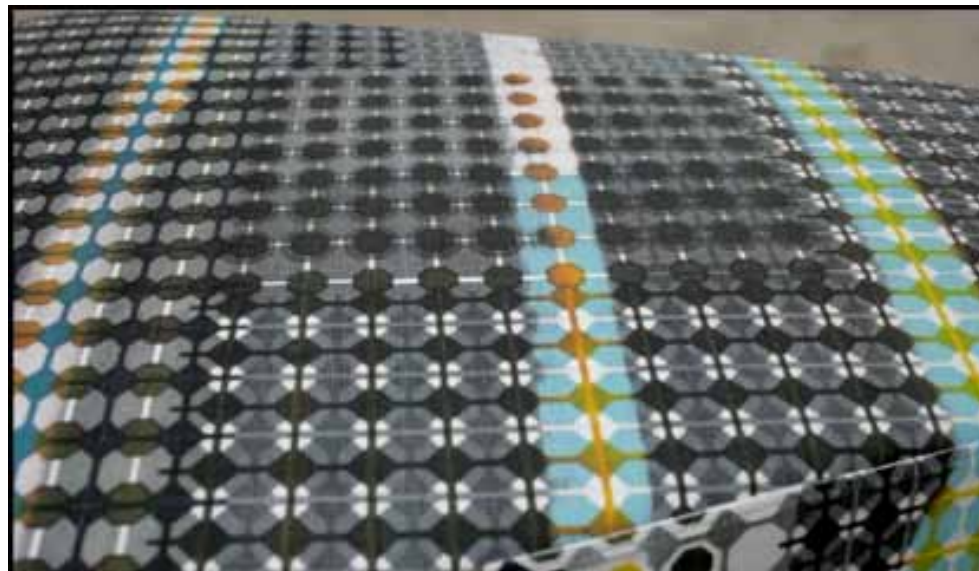
Linda Worbin

INSPIRATION



Linda Worbin: Fabrication Bag

INSPIRATION



Collaboration: The furniture company IRE, Smart Textile Design Lab at the Swedish School of Textile, University of Borås and Smart Textiles innovationsystem.

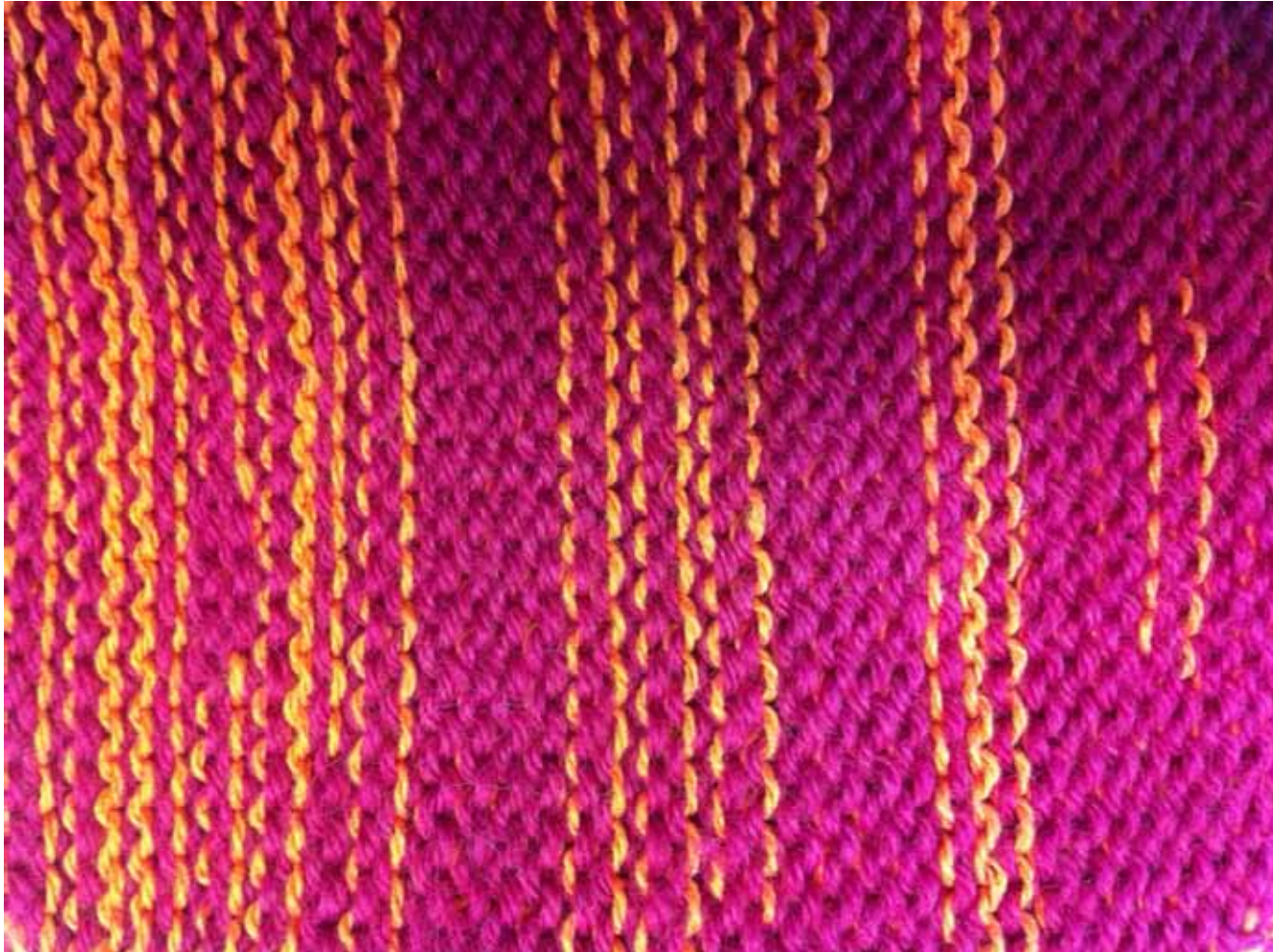
DYE PROCESSES

Cellulose Dye: More wash fast than the previous experiment. Possible by boiling the cotton yarn and using a stronger acid



APPROACH

Variegated:



APPROACH

Striped:



APPROACH

Computational:

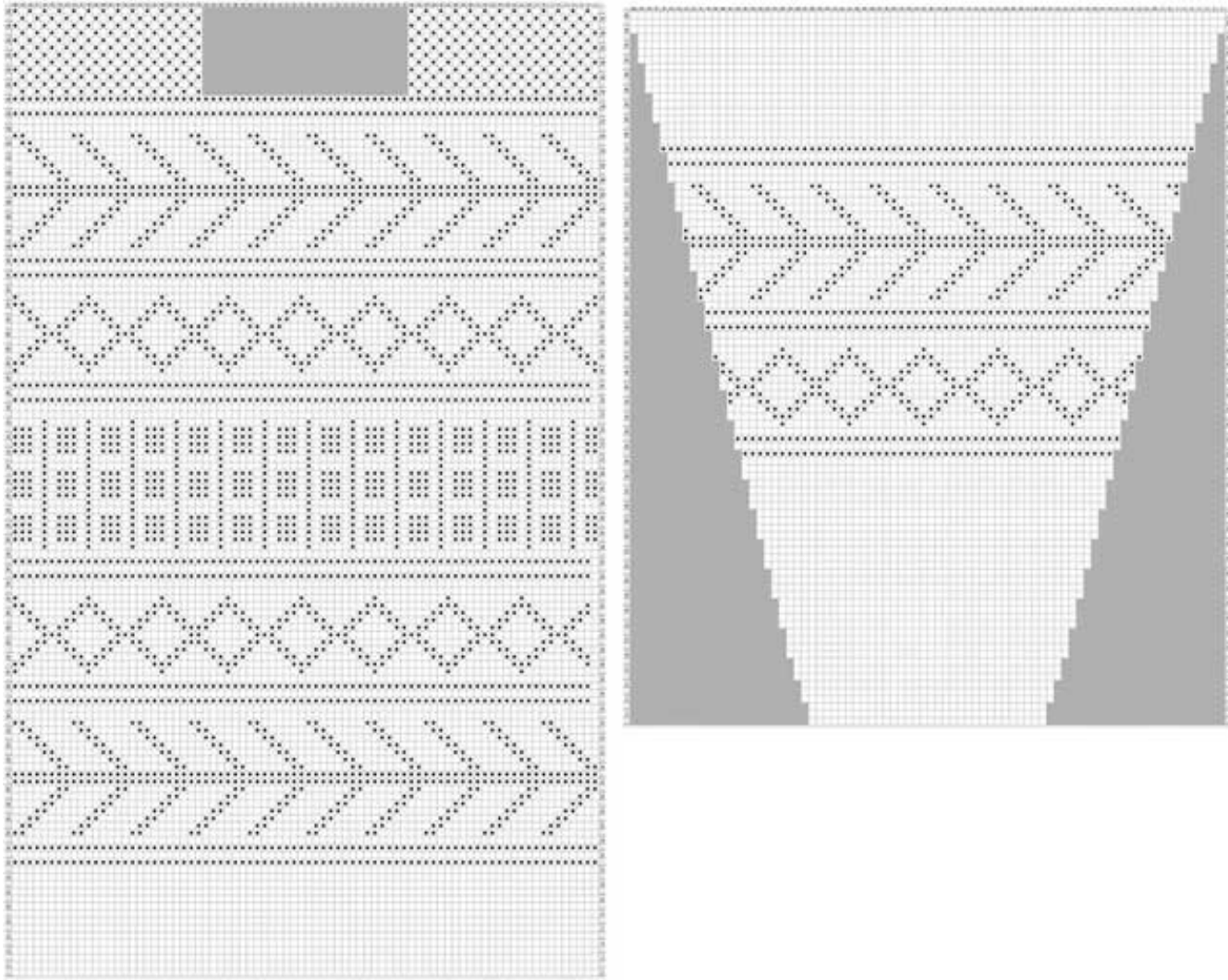
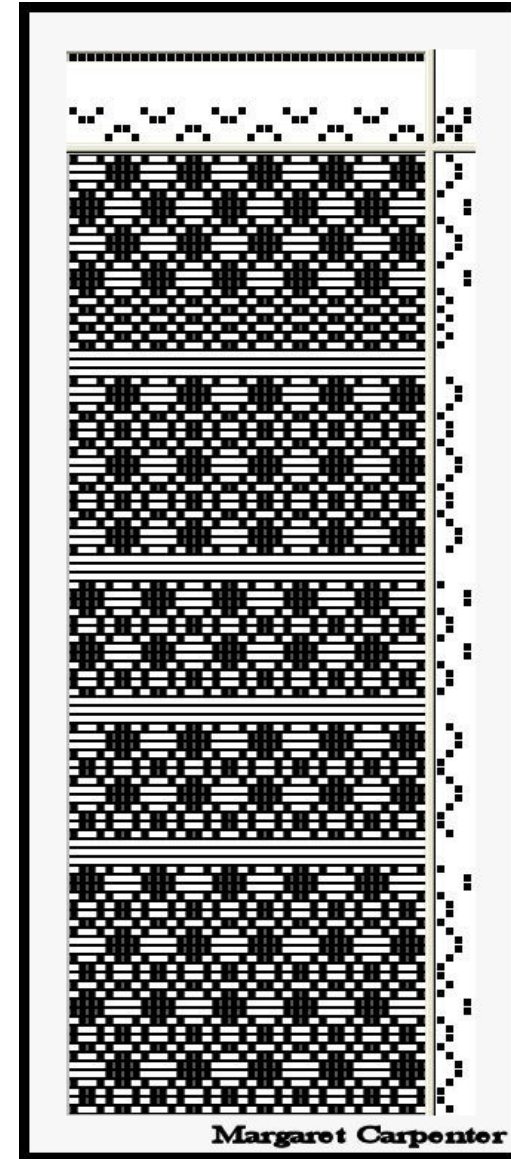
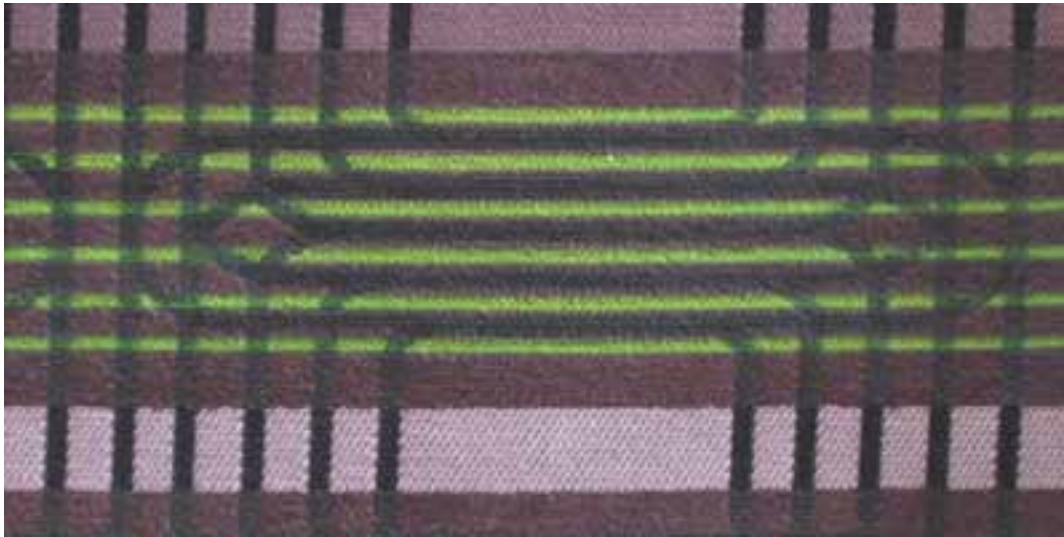


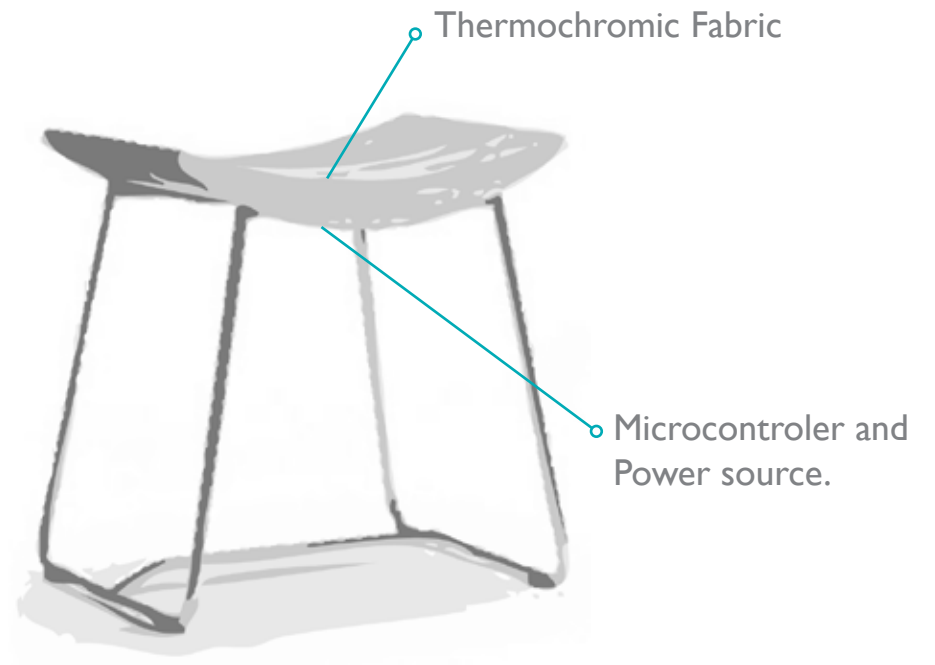
Image From Knitvisulizer Software

APPROACH

Weave:



FINISHED STATE:



TIME LINE:

11/8: Proposal

11/14: Weaving is under way patterns
are decided on, order die.

11/22: Fabric constructions
and testing, begin to program

11/29: Programing

12/6: Final Testing

12/13: Final Project/ and samples of Textiles

LINKS:

http://infosthetics.com/archives/2005/04/electric_plaid.html

<http://knittsings.com/voice-activated-knitting-machine/>

<http://www.std1.se/?cat=8>

<http://www.talk2myshirt.com/blog/archives/1289>

<http://www.cse.chalmers.se/research/group/idc/projects/fabrication/>

http://independentstitch.typepad.com/the_independent_stitch/2007/10/ethnic-knitti-2.html

THANK YOU.