

# Proposed Time-line

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## Week 2

- Continue reading
- Develop program to solve the Lorenz '96 equations w/parameters described in Lieb-Lappen/Danforth in MatLab
- Find more literature describing the solutions to the Lorenz '96, how does the system operate

## Week 3

- Experiment using ensemble filter with the solutions to these equations.
- Experiment to find an error function (max/mean error) based on ensemble filter
- Experiment the results of the model using the ensemble filter. Figuring which variable combinations work best with which filters

## Week 4

- Experiment using particle filter with the solutions to these equations.
- Experiment to find an error function (max/mean error) based on particle filter
- Experiment the results of the model using the particle filter. Figuring which variable combinations work best with which filters

## Week 5

- Continue collecting and preparing materials
- Begin preparing a presentation for the middle review
- Begin collecting information for further analysis and final project