The Computational Science Process

1. Select a Real World Problem:

2. Develop an idea for a Working Model

3. Select Mathematical or Agent-based Model

4. Design & Implement the Computational Model

5. Run the Computational Model

6. Analyze the Data

* If no data could be collected from a model like this, go back to step #1.

* If you cannot talk about your model, do not move on to the next step.

* If the data doesn’t make sense, go back to step #4.

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Project Title: ________________________________

Team #: ______ School: ___________________________

Team Members: __________________________________

_____________________________________

Scientist: ________________________________________

Research & Simplify

Represent & Explain

Translate Into Code

Setup the Experiments

Produce Data