From Stock and Flow to State and System

FIND YOUR NAME on the list of today's studio groups, find your
partner(s), seat yourselves comfortably, and please read through the rest of this document.
Today's Agenda
Today we'll work on going from a stock and flow diagram to an

implementation. And from Chapter 14 we'll discuss nondimensional-

Implementation

Write notes here related to the CO2 model.

ization and analysis of the SIR model.

Write notes here related to the wolf and elk model.

Write notes here related to the HIV model.

Nondimensionalization

In the context of the SIR model, what are the benefits of combining two parameters (β and γ) into one (the contact number)? Are there any drawbacks?

Reflection Question

Today in class you created State and System objects for the HIV model, and you might have started an update function. Which parts of that were easy, and which were hard? What questions do you have?

Next Steps

Before class on Tuesday, please do the following things:	
☐ Write your name here:	
☐ Write your name(s) of your studio partner(s) here:	
\square By tonight: Scan this worksheet and submit it on Canvas.	
☐ Also tonight: Read Chapter 15 and complete the reading quiz. Read and run the Chapter 15 notebook.	
☐ Meet in the studios on Tuesday.	