

## Systems and System Models:

Day 1 Summary Question: What is one way to understand how complicated systems work?

Day 2: If, as a class, you had to make an exact copy of the machine in the video, how would you do it?

System Model definitions:

System-

System Model-

Parts-

Inputs-

Outputs-

Relationships-

**Day 2 Summary Question:**

Imagine that your models were 100% correct, and they exactly showed each subsystem within the Rube Goldberg Machine. Then we build the Rube Goldberg machine EXACTLY as the models showed, and now we have a perfectly made machine built from perfect plans. Will the machine work on the first try? Why or why not?

**Day 3 Summary:**

1. What is one way to understand how complicated systems work?
2. You answered question 1 on day 1, has your answer changed since then?
3. Where would systems and system models be useful to understand or address a problem in your everyday life?

