



# Model Building Elements

## In System Dynamics

### Stock Accumulation

Measures quantity. Like a bath of water.

What is accumulated stays there unless there are processes that change it.

The stock church could be how many people attend each week

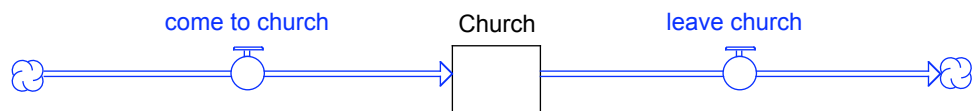


### Flow

Measures change. Like a tap or a drain.

“come to church” is an inflow that adds people to church

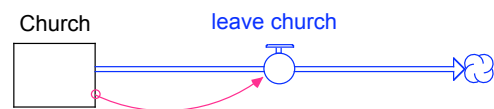
“leave church” is an outflow that takes people away from church



### Connector

Controls Change.

The more people in “church” the more “leave church”



### Converter

Any quantity derived from another.

“Chance of contacting outsider” depends on how many are outside church. compared with “total” population.

“number each Christian could bring to church” is a number which could be measured, on average. It does not depend on anything in the model.

