AgentSheets Unplugged where students act out the simulation
Materials: Number Cubes (1 per student), sticky notes – 4 colors, or labels

Start with a “Computer Science unplugged” exercise that mirrors the simulation. Whole class activity or have students split up into groups of 4-6,

Give each student a number cube and a role to play (Old person, Adult, Child and also make 1 or 2 of these people sick).

**Move Roll:** Make each person roll the die to see where he or she moves to next (1 up, 2 down, 3 left, 4 right, (5,6)-> their choice)

**Sick Roll:** Make everyone near a sick person roll to find out if they have become sick (if they’re old, then they have to roll a 5,6 to stay healthy; if they’re a kid, they can roll a 4,5,6 to stay healthy; If they are an adult, they have to roll a 3,4,5,6 to stay healthy).

**Recover Roll:** Make the sick people roll the dice to see if they recover (same die rolls as above to see if you become healthy again)

**Death Roll:** Make the sick people roll the dice to see if they die (inverse rolls of the above rolls to see if they die).