Turing Tumble

Difficulty Rating: Moderate

Overview: Turing Tumble teaches computer logic to students and is also a fun puzzle game. Students will be given a required pattern of marbles the machine needs to produce, and a diagram of parts with spare parts. Students will need to figure out where to place the spare parts in order to get the desired output from the machine.

Number of Students: 15-45, there are 15 kits in total. Groups of 2 students per kit work best, but will work with 3.

Example Lesson (time: 40 minutes) using the provided book, you can have students spend several days working through the various puzzles. One class period is enough time to get an understanding of the concept, but several hours would be needed to let the students run through the entire game.