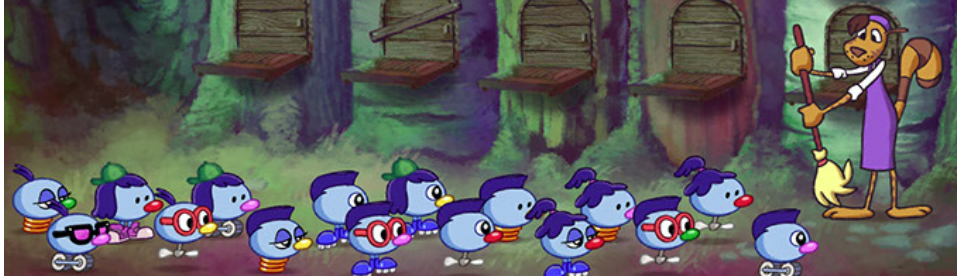


Resources



Zoombinis can help you address computational thinking, math, and 21st Century skills and concepts.

Zoombinis, formerly known as *The Logical Journey of the Zoombinis*, includes twelve math-based logic puzzles, each with four levels of difficulty, that reinforce valuable computational thinking (CT) skills, such as:

- **Problem decomposition:** Breaking down a complex problem or system into simpler parts or chunks that are easier to understand.
- **Automation:** Predicting or planning a series of ordered steps or sequences for feasible and efficient solutions.
- **Algorithms and procedures:** Identifying and articulating a set of instructions for a specific problem or task.
- **Data representation:** Using and interpreting multiple representations of data or information to organize, make meaning, or solve problems.
- **Abstraction/Formulation:** Identifying and articulating general sets of algorithms (steps or instructions) or procedures that apply to various problem types or conditions (i.e., abstraction or formulation).
- **Generalization:** Applying common algorithms to a variety of problems, forming a solid set of practical approaches to problem solving.

Looking for help to understand Zoombini game mechanics? How-To Videos are available [here](#).

See also the [related standards](#) and [materials](#) from the original game.