

## Area and Volume - Extensions

LEVEL UP your coding skills with [Prodigy Learning](#) and their [Coding Credentials](#) program! The agent is an amazing resource in Minecraft that is often under-utilized by students. Consider checking out Prodigy Learning and their coding courses, and revisiting the lesson to use the agent to help with design challenges, such as building an elevator or creating a labyrinth in the museum gardens.



### Other Extension Ideas:

- Create a new flat world, where the teacher can host the students. Ask your students to create a world with their puzzles. Then the students can visit the puzzles and try to find the area and volume of each puzzle.
- The students can construct puzzles with more than one rectangle attached to each other.
- In the same world, construct a house with different rooms (more than two rooms). The students can also use various shapes and calculate the area and volume.
- In the same world, the students can build their puzzle by using coding. Use the Agent in Make Code to give a sequence of blocks to build their creations. To learn more about coding with the Agent in Minecraft EDU visit the following resources:
  - <https://education.minecraft.net/fr-fr/resources/computer-science-subject-kit/coding-tutorials>
  - <https://education.microsoft.com/en-us/course/d1357616/overview>