

Algebra Architecture: 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.

CODING IN MINECRAFT

Coding in Minecraft is a computer science credential program with supporting curriculum, delivered through Minecraft: Education Edition and hosted on Azure.

The pathway comprises three courses that immerse students in a Minecraft world to develop and prove their coding skills using MakeCode and JavaScript or Python.

Credentials & Curriculum Pathway

INTRODUCTION CREDENTIAL	INTERMEDIATE CREDENTIAL	ADVANCED CREDENTIAL	CAPSTONE CREDENTIAL	INDUSTRY CERTIFICATION

Other Extension Ideas:

- In the same world, ask the students to build the measuring unit by using coding. Use the Agent in Make Code to give a sequence of blocks to build. Give the students the challenge of building the measuring tool while only using one command (one code). 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>

- Another extension activity could be to measure the replication of a landmark with their measuring tool. <https://learn.logicsacademy.com/p/replicating-landmarks>