ITCG Angioy - Carbonia

Sustainable Constructions in Minecraft

May 2024

Write a sentence or two that provides an overview of the project goals and objectives.

The goal of this project is to design and build sustainable constructions
in Minecraft, and to explore the importance of sustainability in construction, both in the virtual world of Minecraft and in the real world.

The place where the school will be built is located in a plot a little far from the city to facilitate the realization of our projects according to our needs both inside and outside. As design objectives we decided to use wood and polished granite for walls and benches.

The objectives in the project are to make the school as sustainable as possible because it is important to use sustainable energy not only for the environment but also for us, contributing even with small things like machines that allow you to receive 0,20€ every time a student puts in an empty bottle of water that will then be recycled.

What types of materials have you chosen for your construction and why?

Regarding materials we have found several options, which are:

- polished granite;
- wood especially for walls and benches;

for the doors we use the mangrove.

- Wood in its industrial processing has little use of fossil fuels

The materials we have chosen for the construction of Minecraft are very similar if not equal to the materials used in reality. For example, some of our school desks are made of wood.

We thought about recycling rainwater 1. The collection system consisting of a collection surface, gutters, drainage wells, filter; 2. The volume of water needed therefore depends on the type of use and the commitments of the recovered water, household irrigation, toilet flush tanks, appliances, etc.

The solar panels will be used to power the school, lights, etc., while the water recycling system will be used to obtain drinkable water through filters and purifiers, significantly reducing water waste.

An example of innovative technology, could be the motion sensor lights that are tied to solar panels. The taps that after a few seconds close on their own to reduce water waste.

Write a paragraph explaining the importance of sustainability in construction, both in Minecraft and the real world. Sustainability is a crucial aspect of construction, as it ensures that buildings not only minimize their impact on the environment but also promote the well-being of their occupants. In Minecraft, sustainable constructions can help reduce the game's carbon footprint, while in the real world, sustainable buildings can reduce energy consumption, conserve natural resources, and promote eco-friendly practices.

Identify the key lessons learned about sustainability from the project.

The key lessons learned include the importance of using sustainable materials, the benefits of energy-efficient designs, and the need for ongoing community engagement to ensure long-term sustainability.

THANK YOU
HAVE A GREAT DAY