

# GREEN LIVING

ENERGY EFFICIENT HOUSE  
DESIGN





# STUDENTS' LECTURE ABOUT COMPOSTING AND RECYCLING







Composting = biological degradation of bio-waste in the presence of air, producing carbon dioxide, water, heat and as a final product compost - humus



Composting establishes a circular stream of organic matter in nature and improves the fertility of the soil.

- Composting reduces household waste by 30%
- By using compost soil, it is enriched with the nutrients required for growth and development of plants, reducing the use of artificial fertilizers





## TYPES OF COMPOSTERS

WIRE COMPOSTER



COMPOSTED BUNCH



## WHAT TO COMPOST:

Plant waste from  
kitchen, garden,  
and lawns

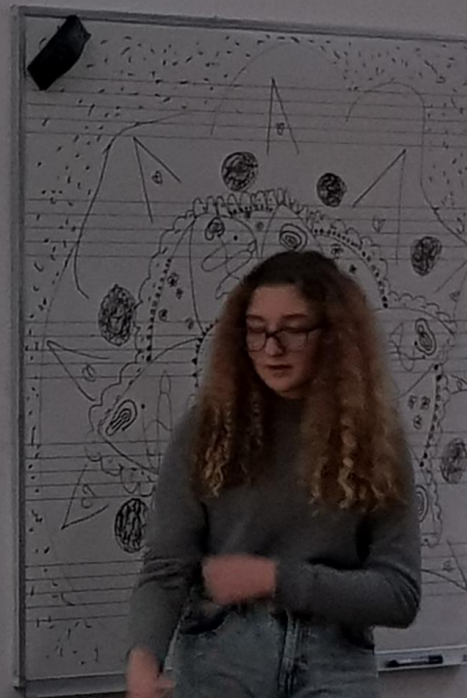
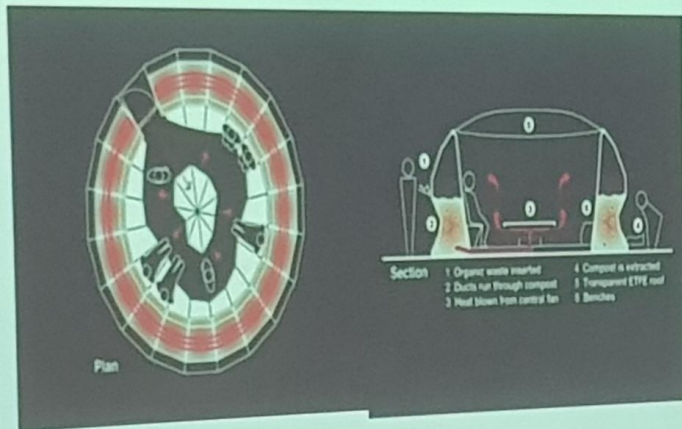
Food waste  
(fruit and  
vegetables, shells)

## WHAT NOT TO COMPOST:

- Liquid food remains
- Meat or fish
- Dairy products or oils
- Ash, packaging, rubber
- Colored and lacquered wooden waste
- Paper and glass waste
- Clothes and cigarettes



- Architects have opted to use the temperature developed during composting for space heating designed as a traditional Japanese gardenhouse for ritual tea drinking. The expanse contains a number of composting tanks. Above them are the waste from the garden, grass, dry leaves and other materials of organic origin, while the compost is taken from below.





GUEST ARCHITECT LECTURE ABOUT GREEN ARCHITECTURE















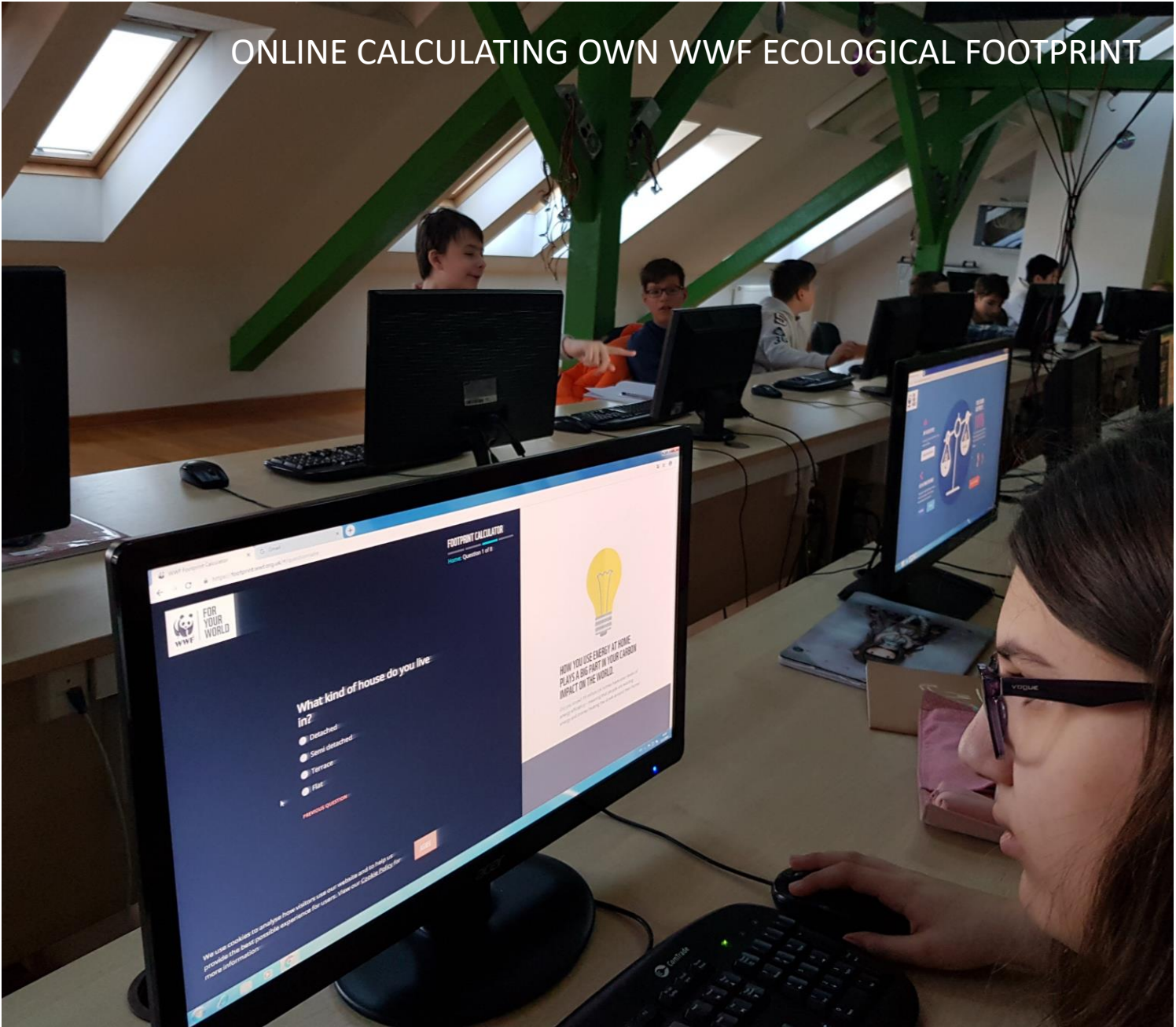
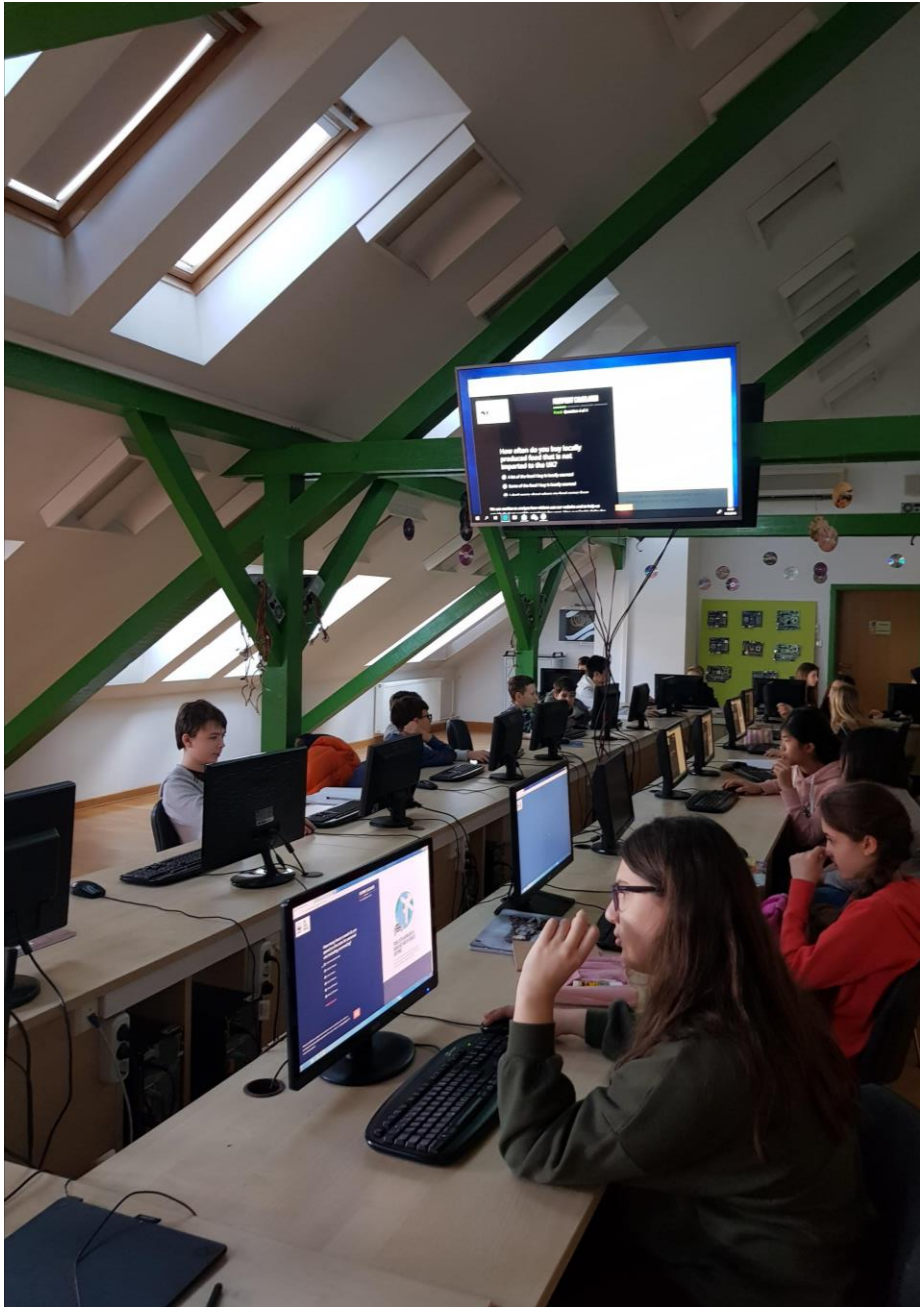




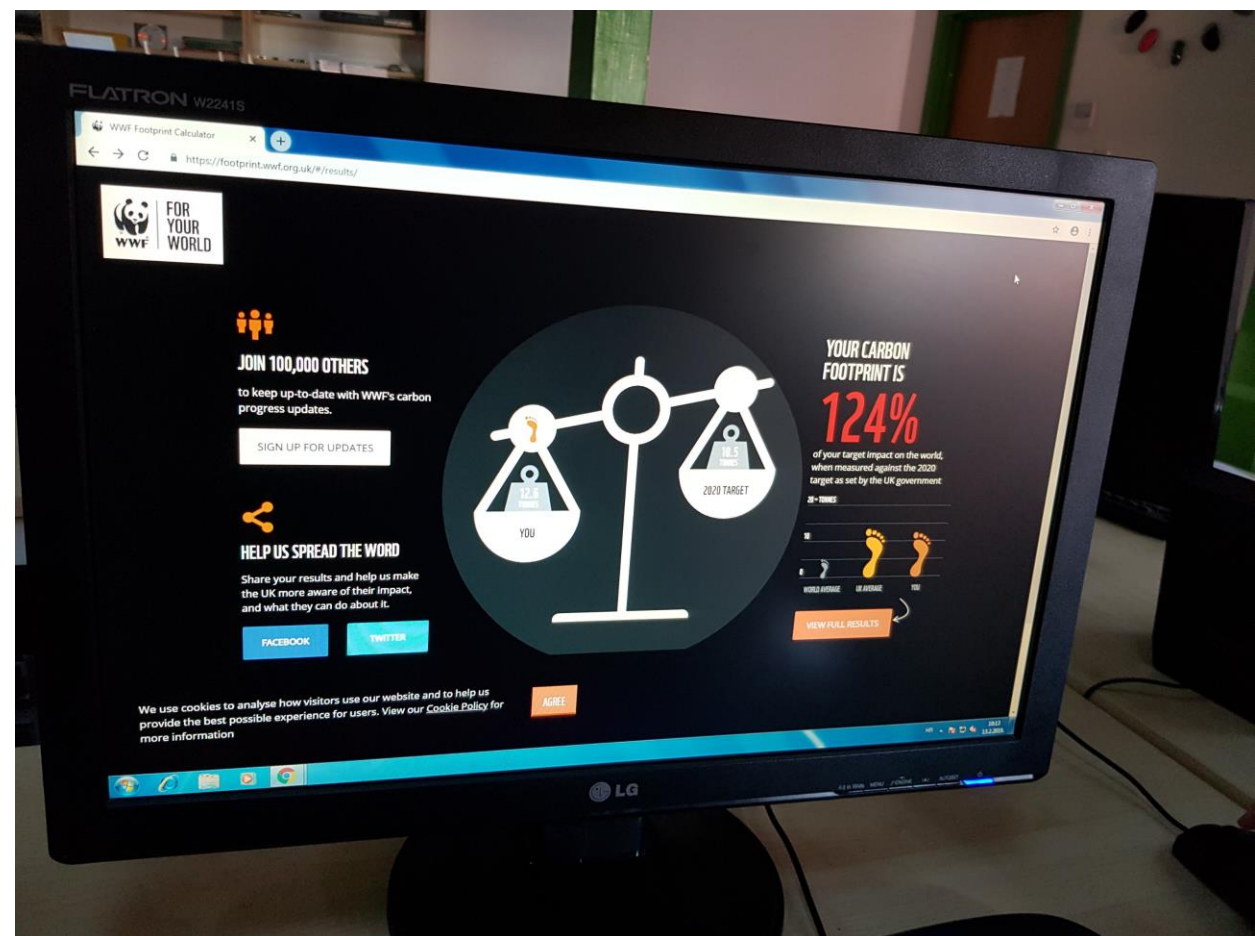
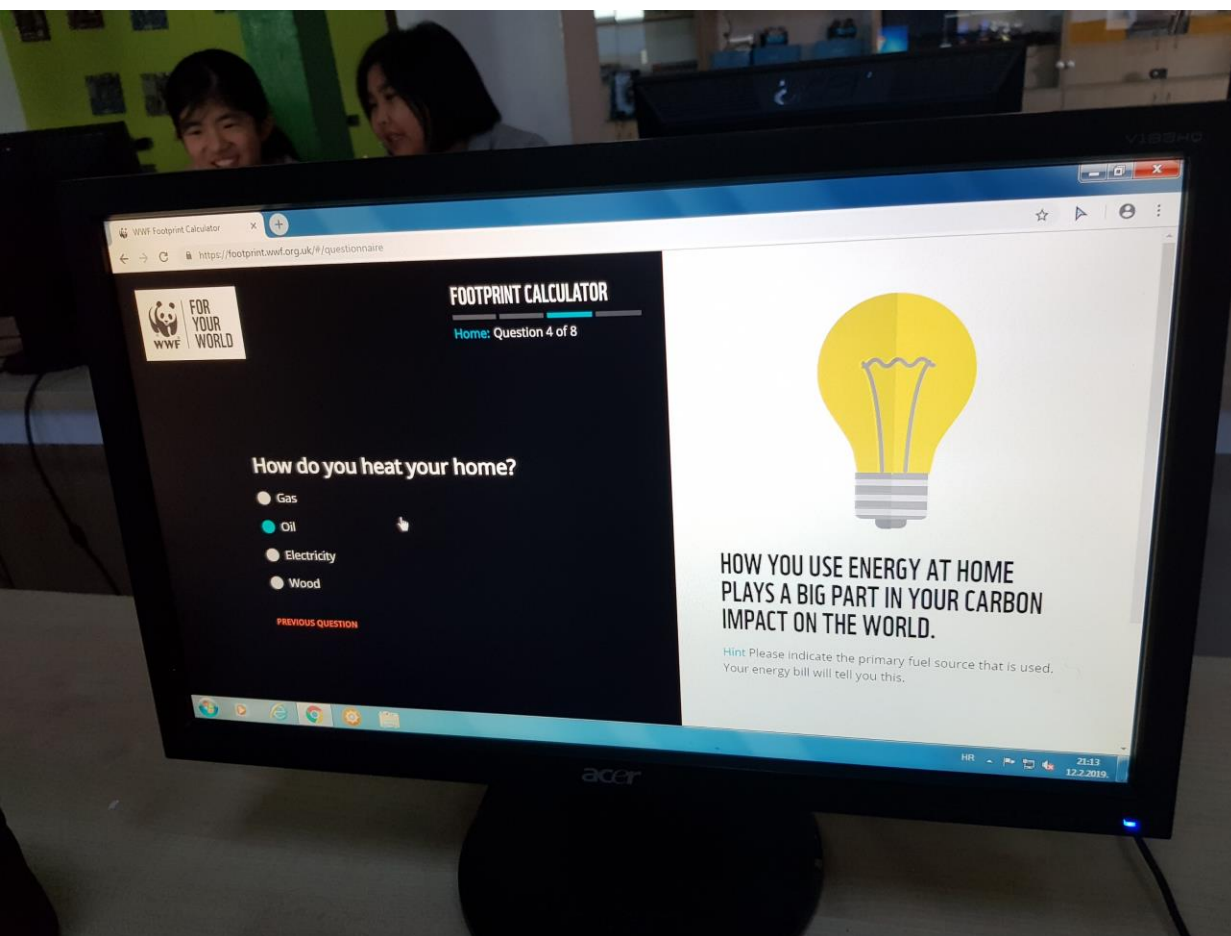






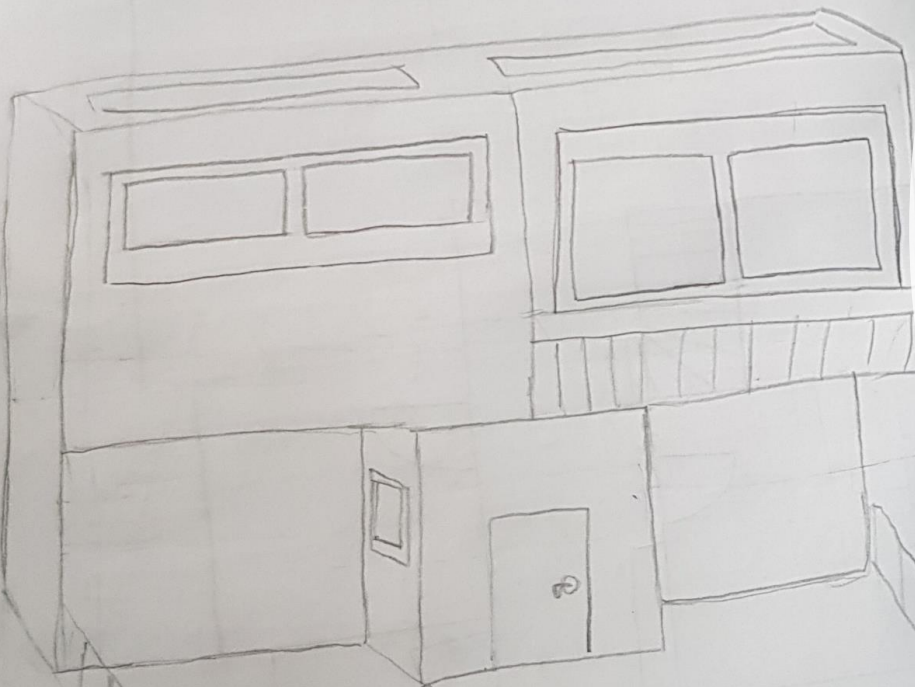








! SKETCH 1 - 3D !



! SKETCH 2 - 3D !

! SKETCH 3D !

(BOD) DESIGN 1

Solar panel

Balcony

Windows

Garden

Door

pool

! SKETCH 3D !

(BOD) DESIGN 2

Solar Panel

Balcony

Door

Windows

Car

Garage

DEVELOPING IDEAS FOR ENERGY EFFICIENT HOUSE DESIGN  
AND DRAWING HOUSE PLANS IN A SCALE

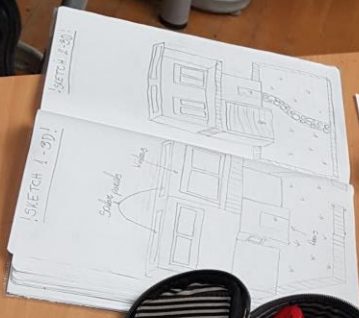








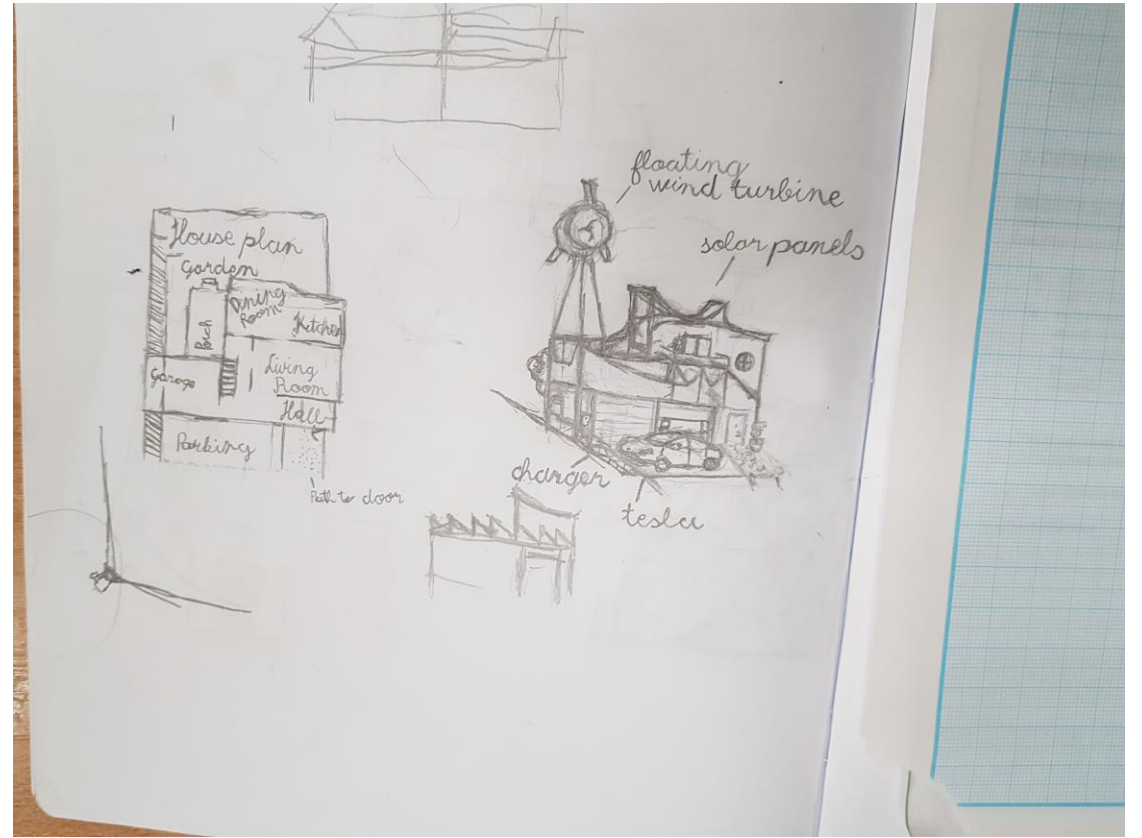
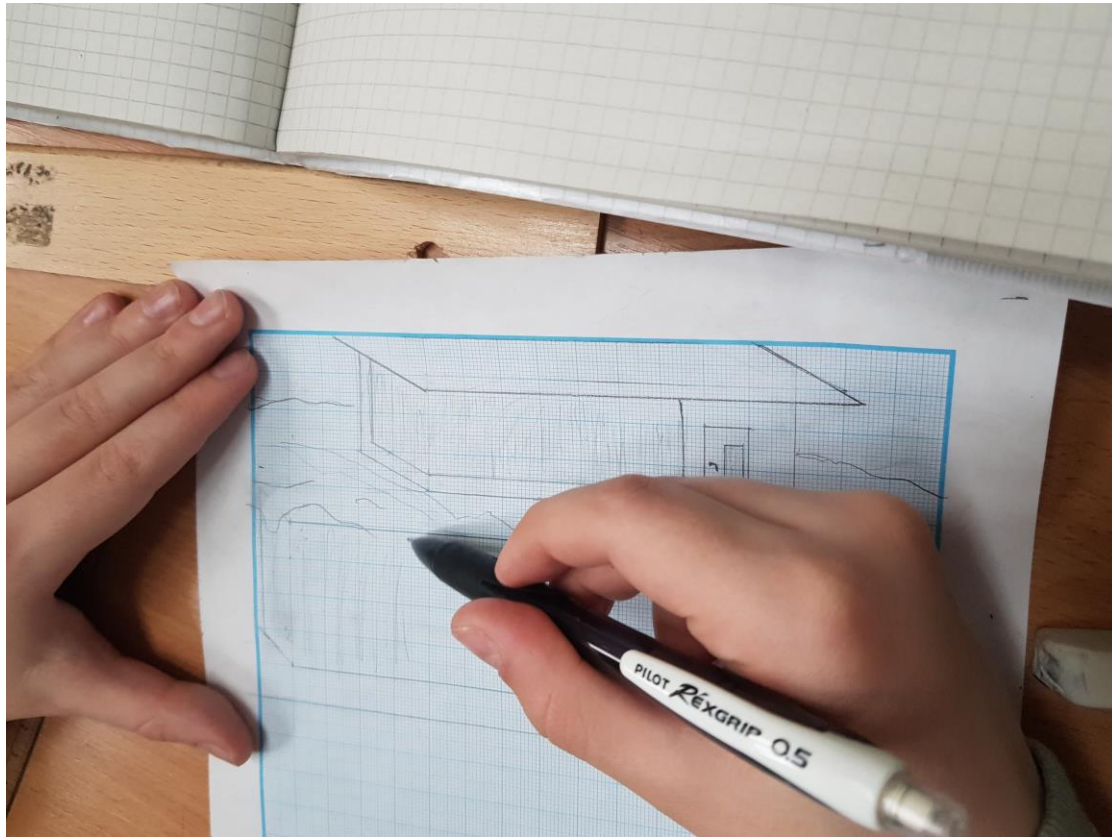
1. Roof Slope  
2. Construction  
3. Materials  
4. Heating system  
5. Rooms  
6. Floors  
7. Doors and windows  
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100. Stairs













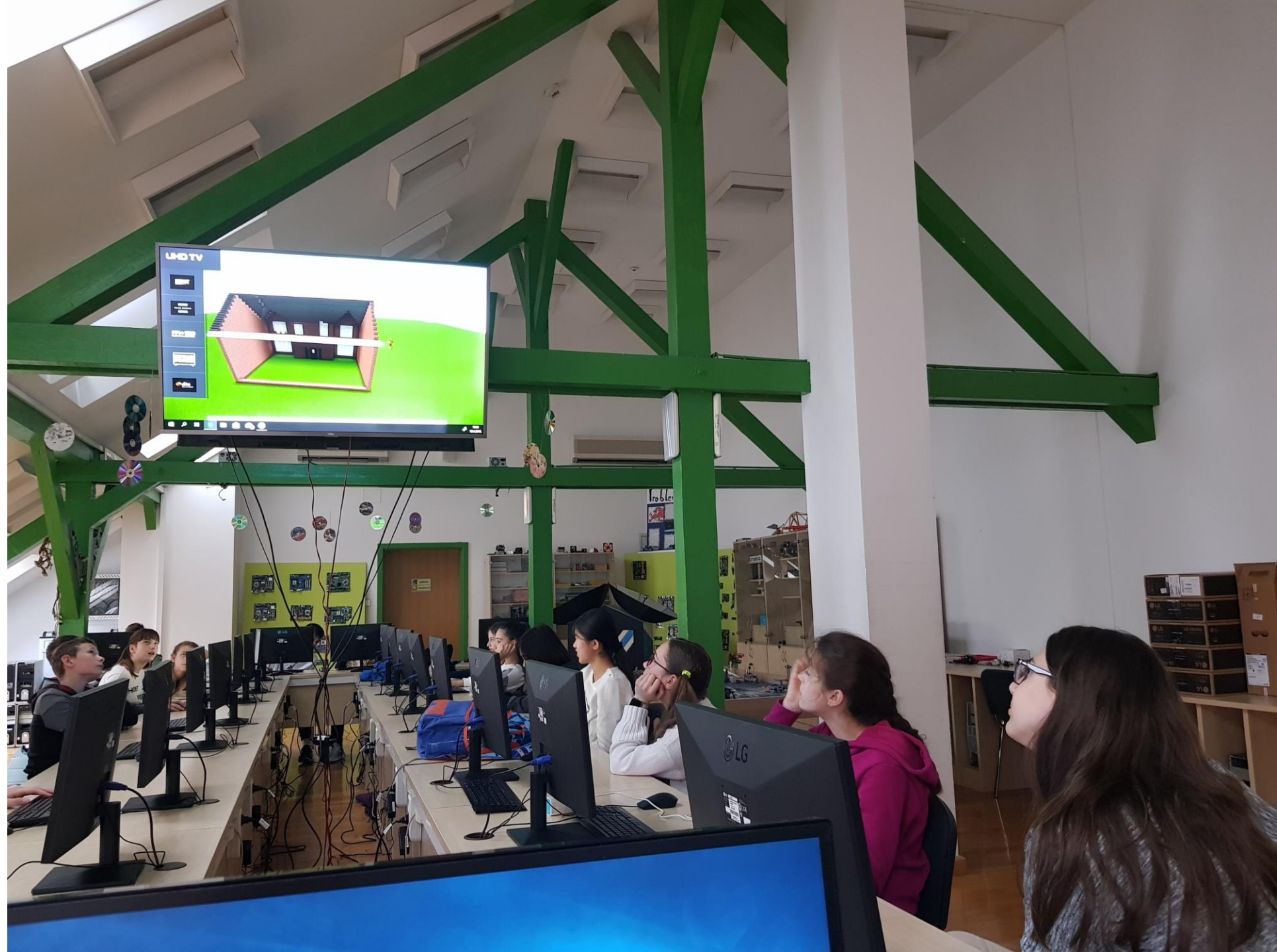
CREATING A HOUSE IN CHOSEN SOFTWARE PROGRAMME: MINECRAFT BUILDER, 3D BUILDER OR GOOGLE SKETCH UP



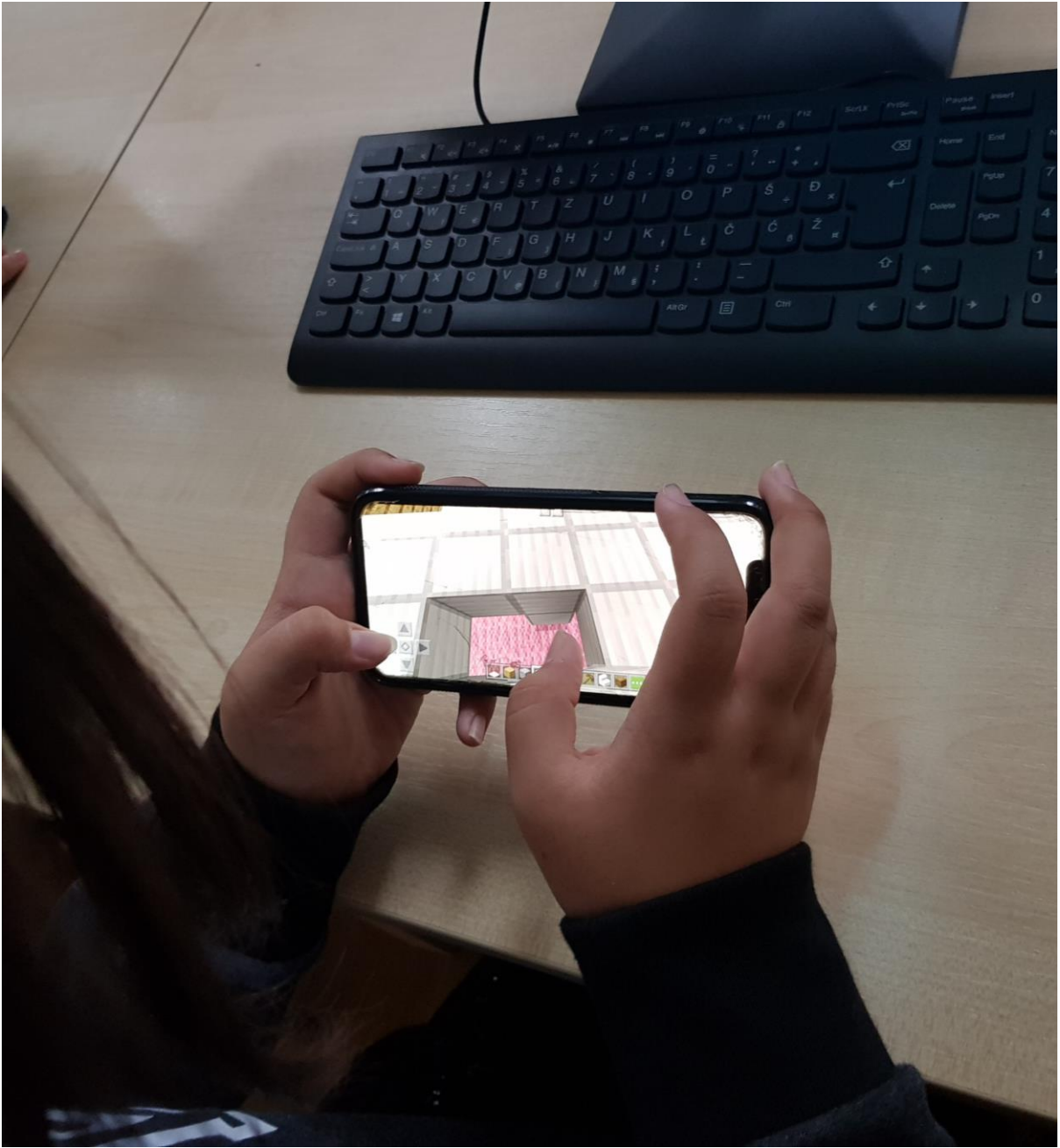














# MINECRAFT

Resume Game

Settings

Feedback

Save & Quit

Steve



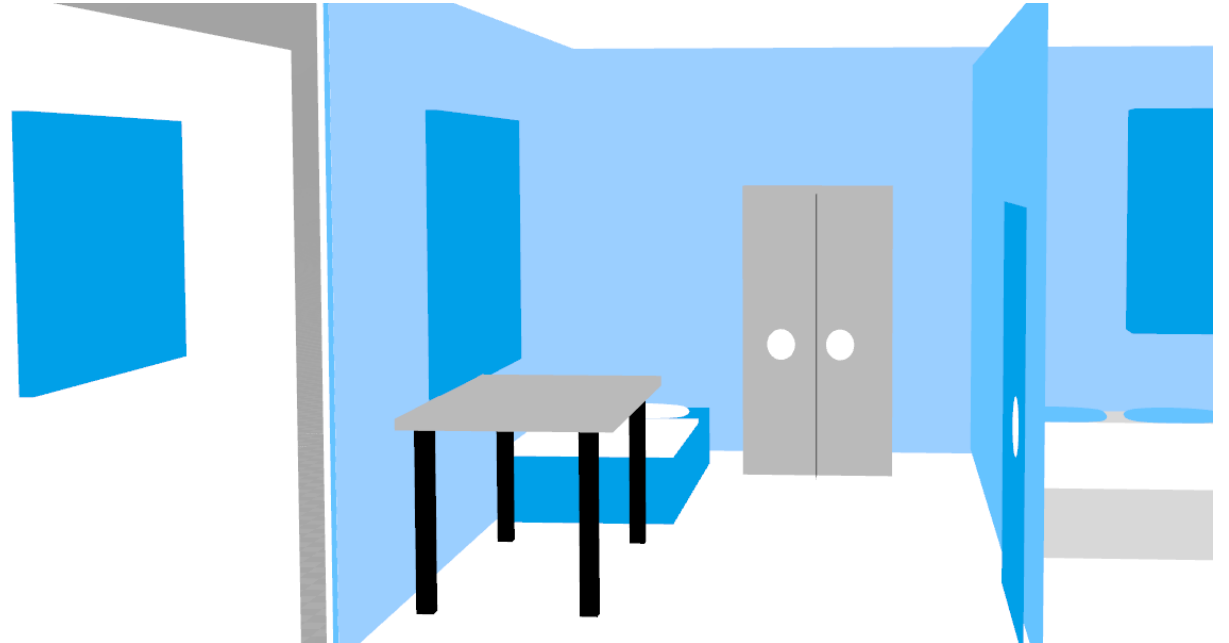
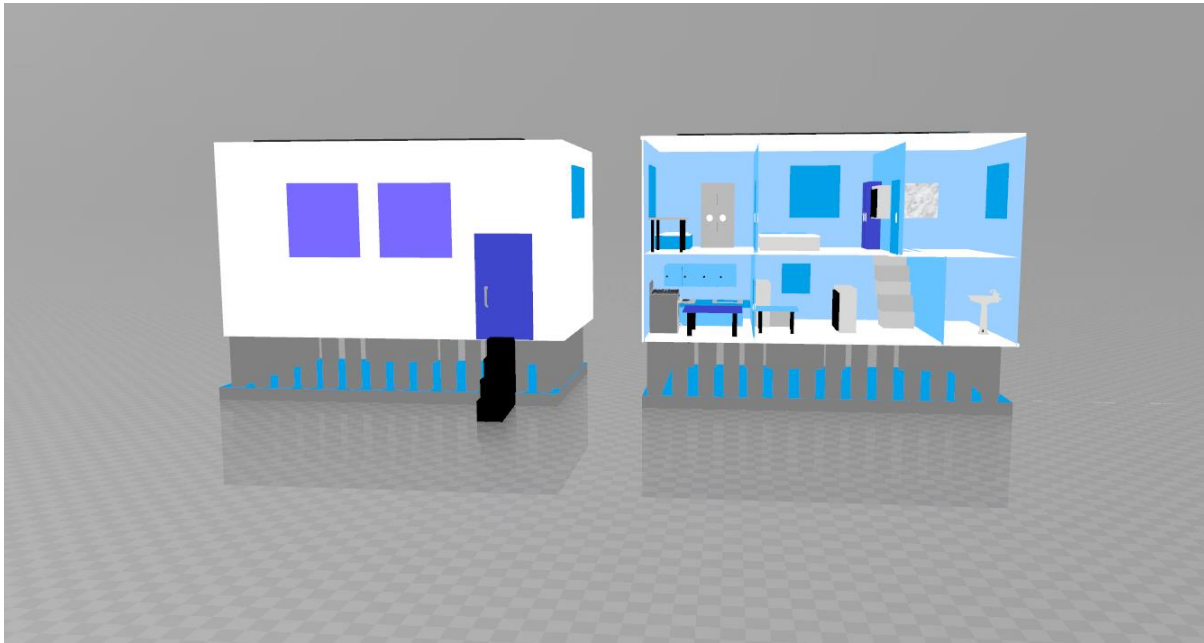
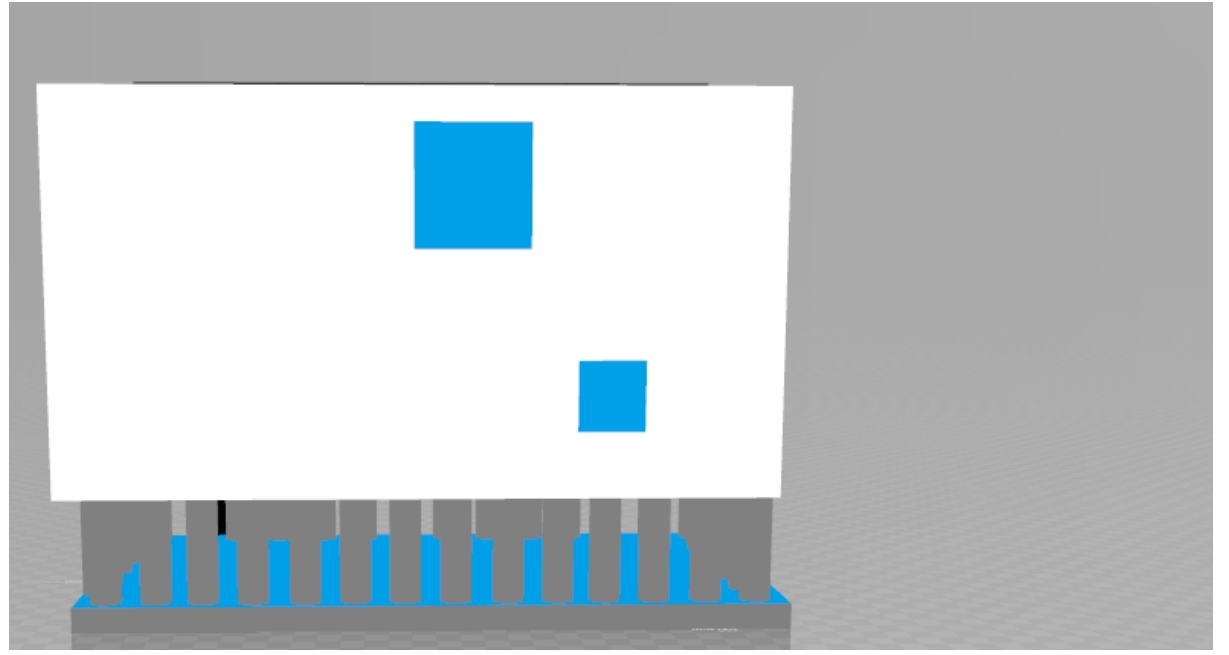
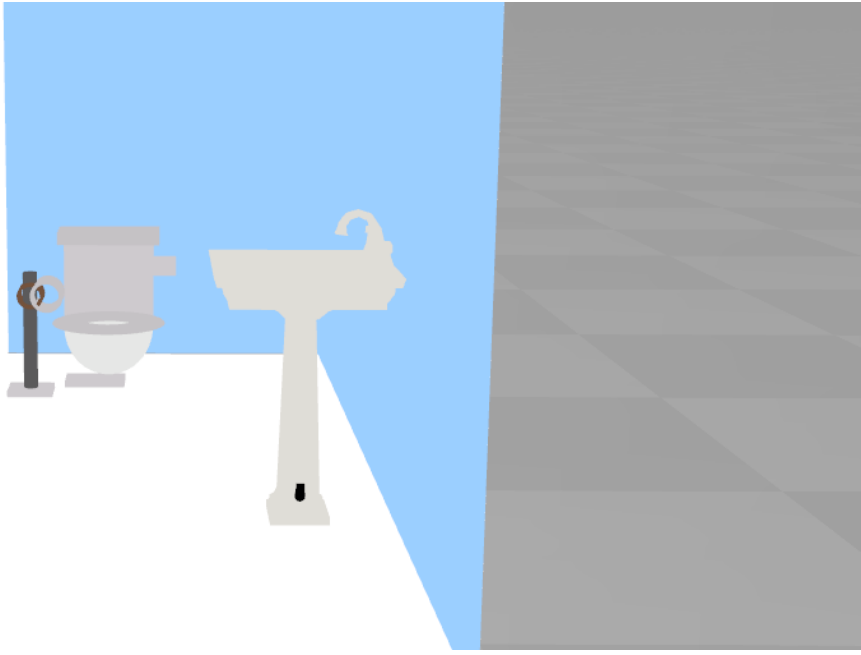
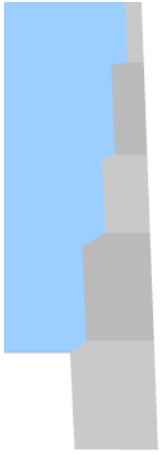
My World

 Steve

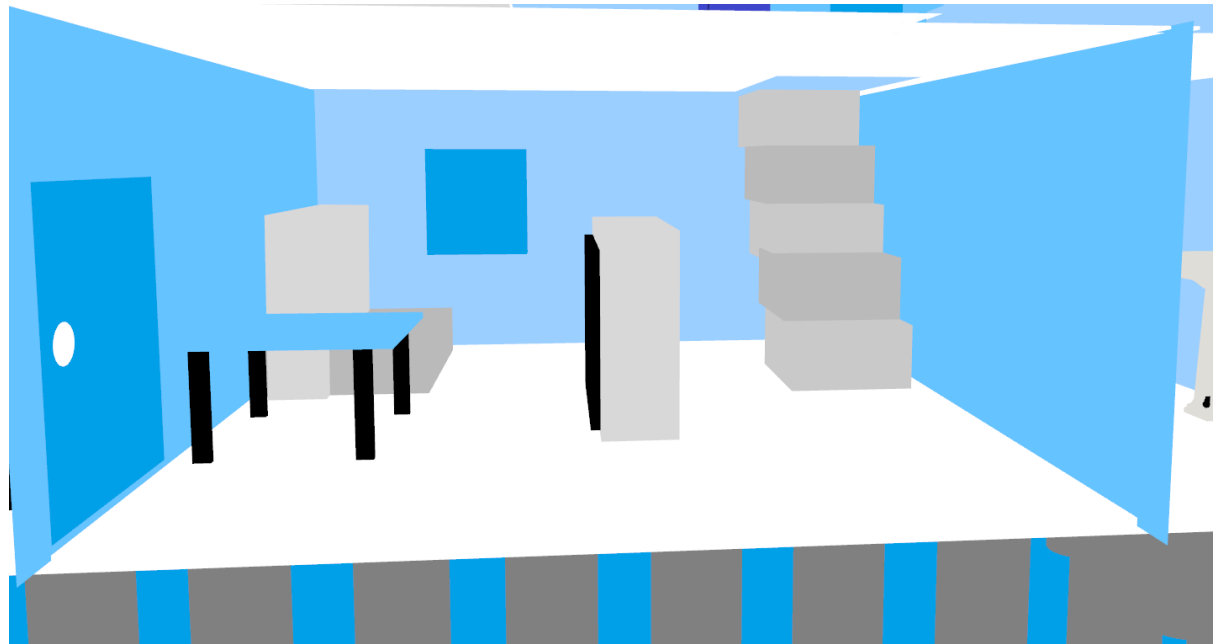
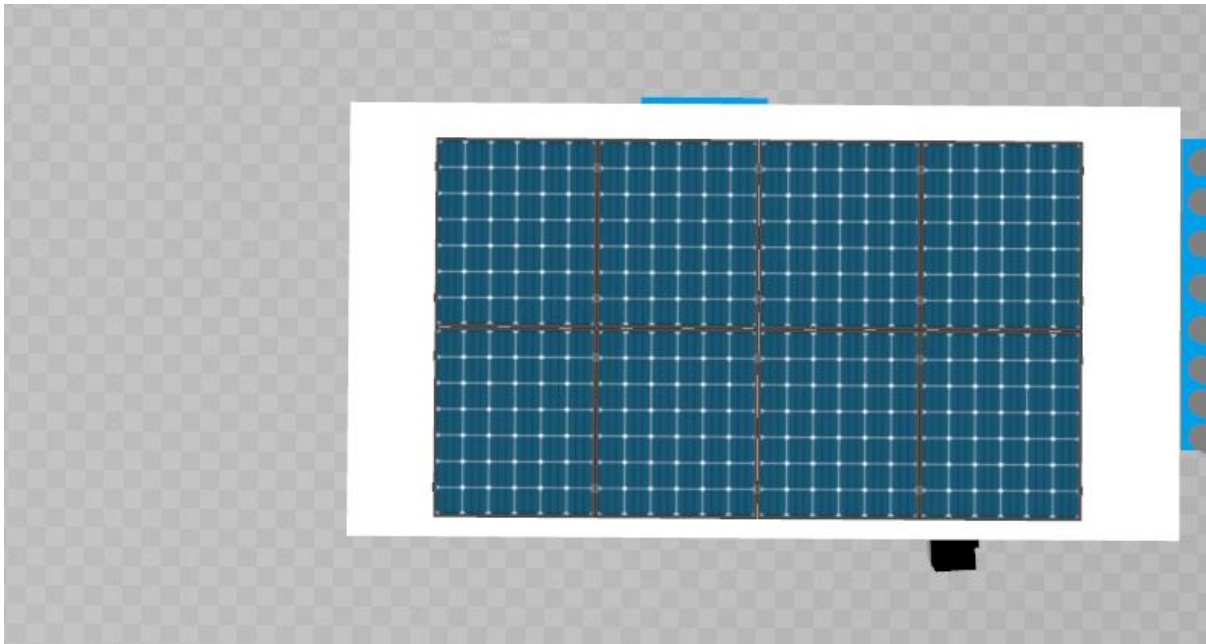
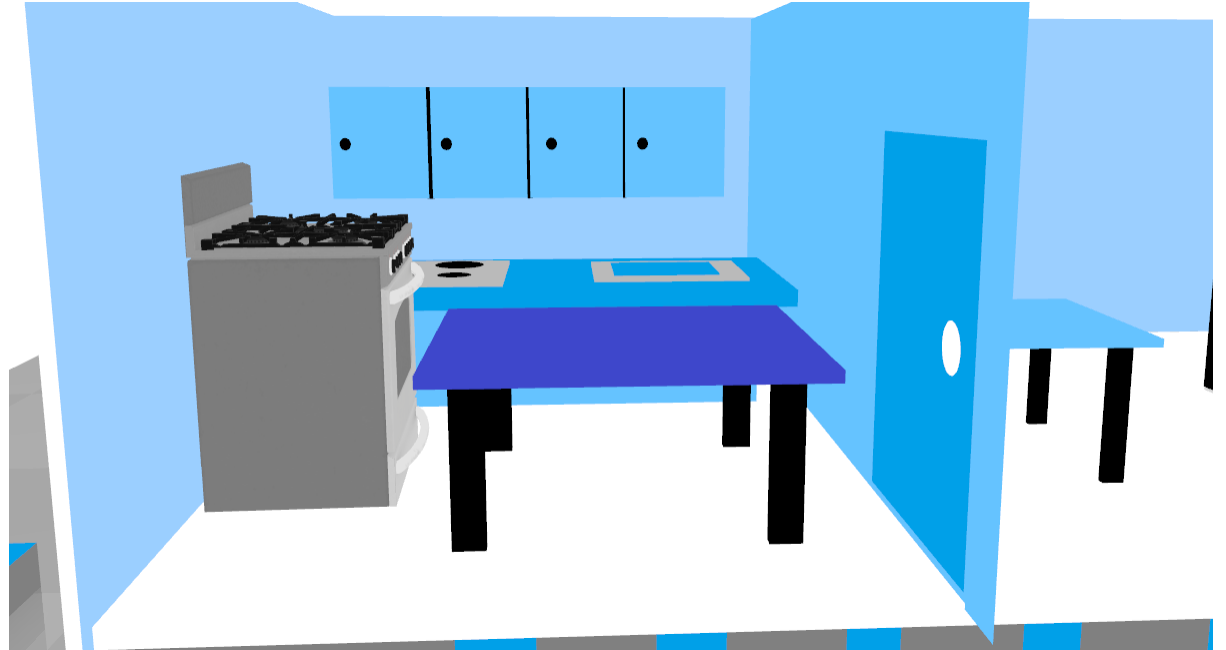
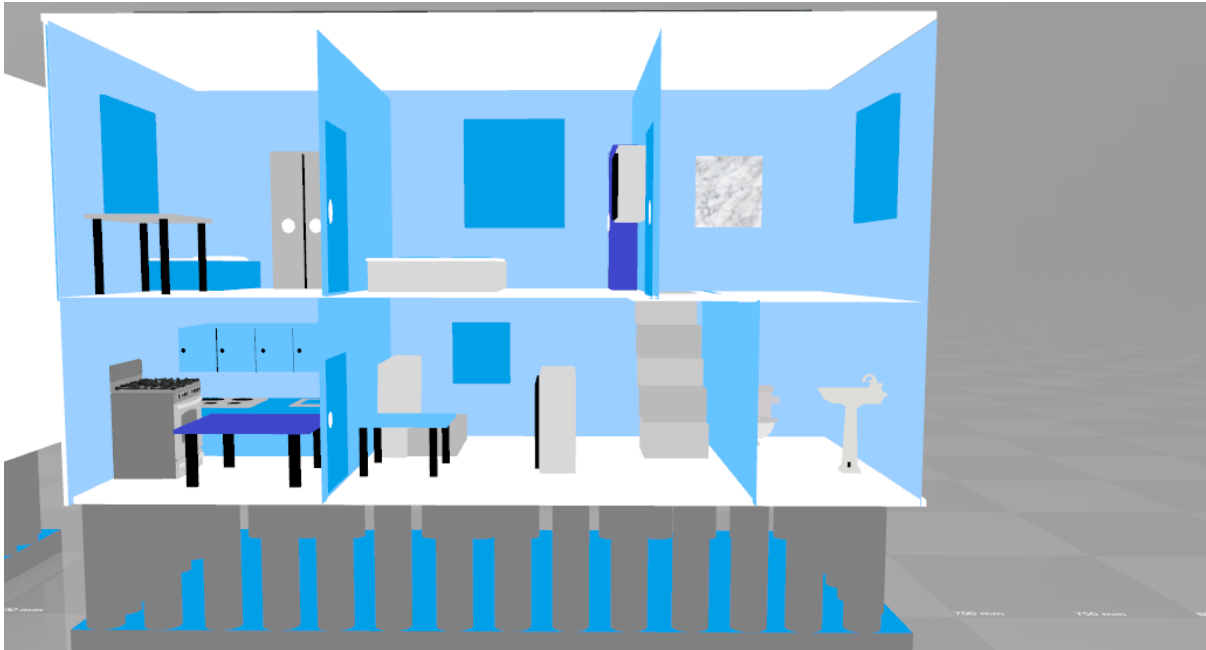


Invite to Game

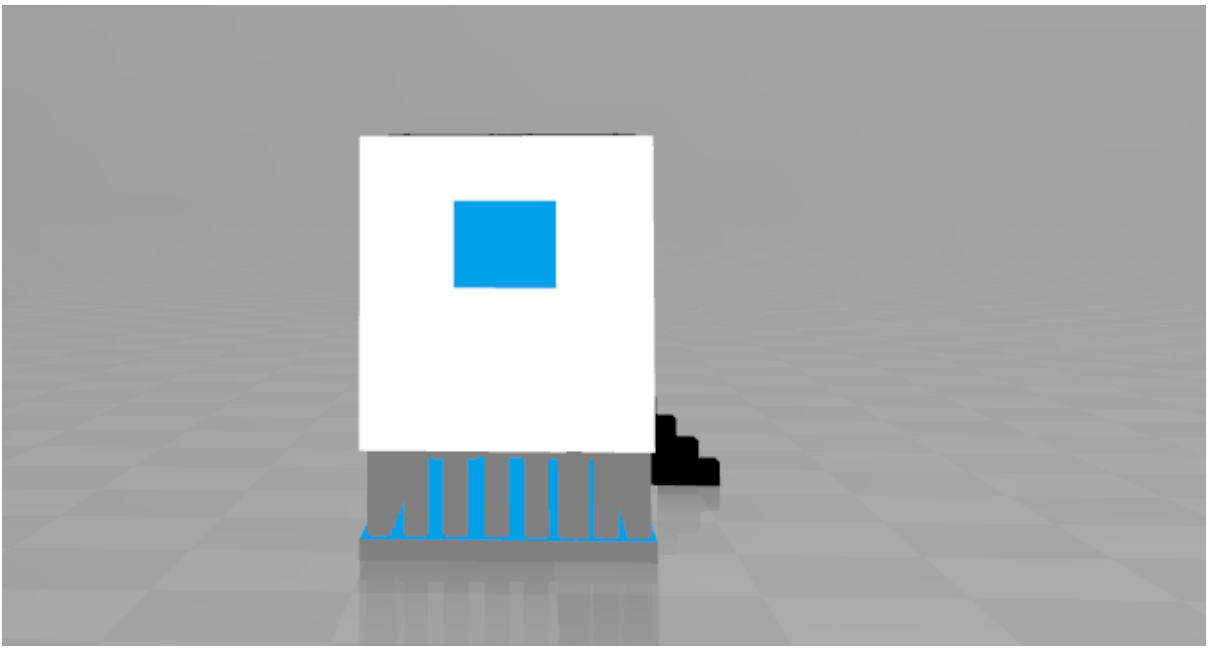
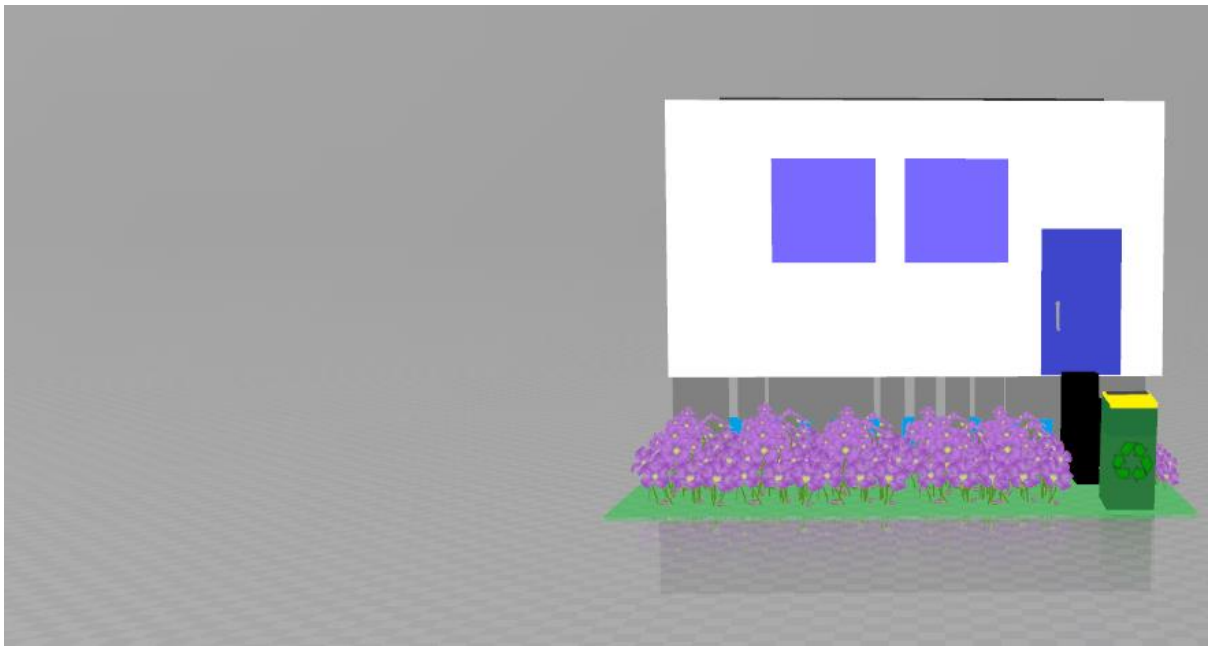
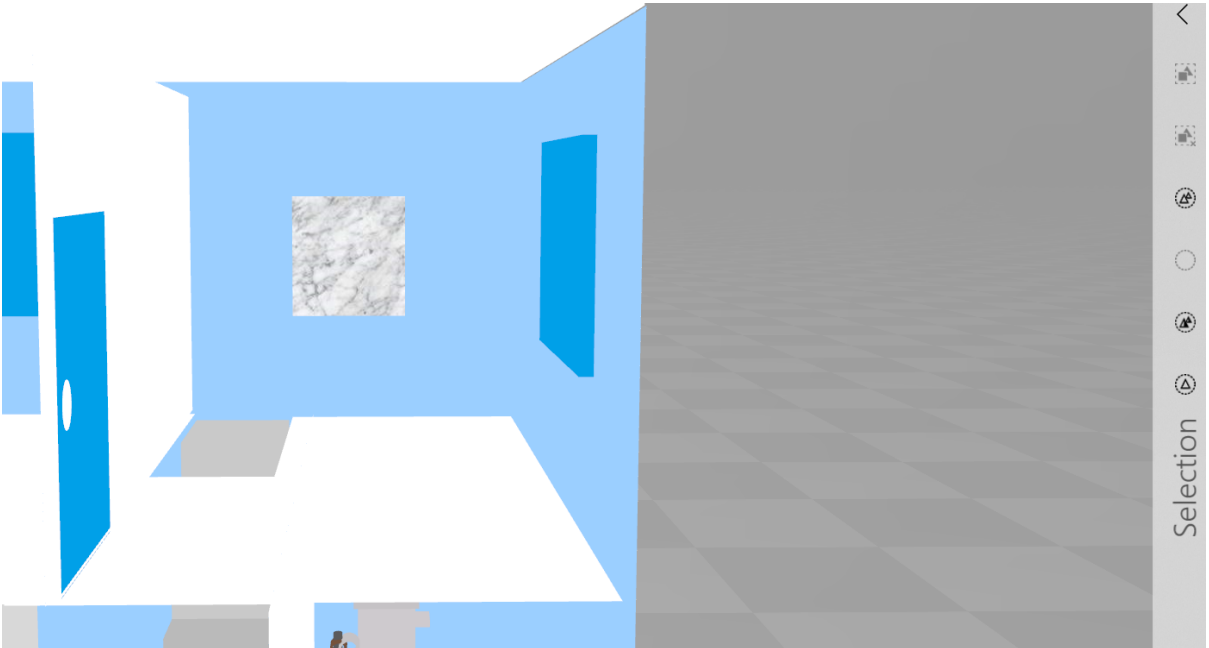
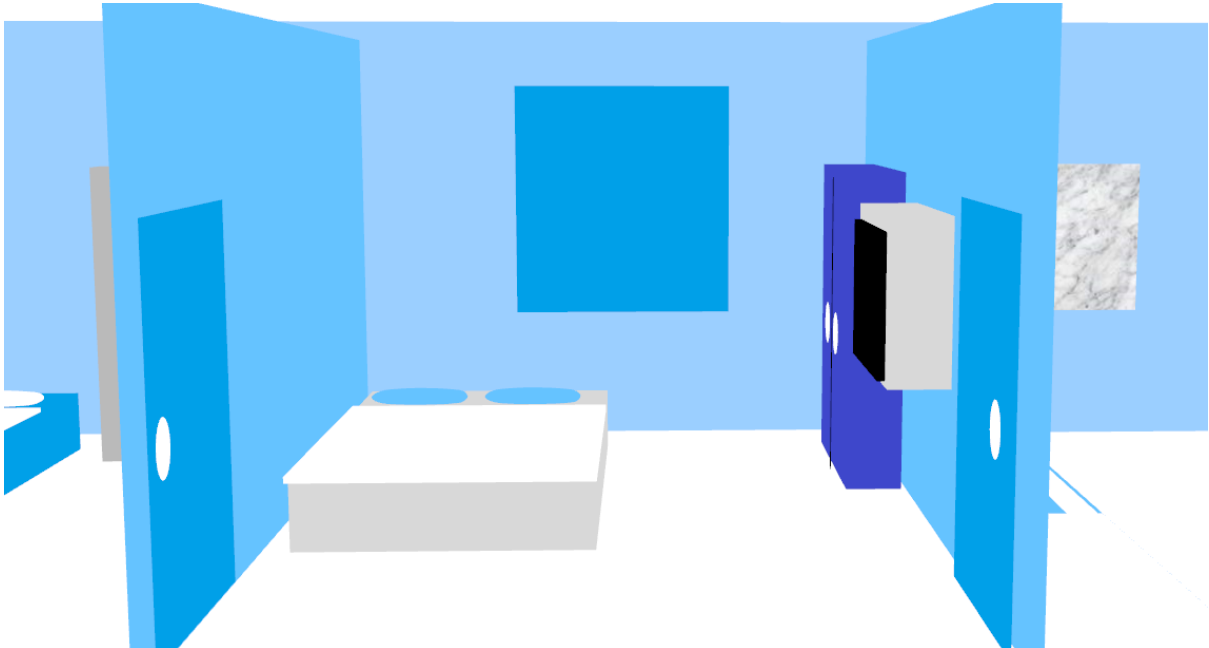














## STUDENTS' PRESENTATIONS OF ENERGY EFFICIENT HOUSE DESIGN AND ITS SPECIFICATIONS

