NASA Ames Space Settlement Contest

SPACE SETTLEMENT

MOGI C I

Municipal School "Antonio Pedro Ribeiro"
Mogi das Cruzes, SP
Brazil

2017

School:

- E.M. Antonio Pedro Ribeiro – Mogi das Cruzes, Brazil

Students

- Ana Beatriz Martins Costa – 5th Grade
- Ingrid Laíse Magalhães de Oliveira – 5th Grade
- Kauan Araujo Barbosa – 5th Grade
- Luisa Stolemberger Rodrigues – 5th Grade

Teacher

- João Kleber Indena Martins

This Document is Divide By:

- **The description of the Settlement**
  - **The students made researches to explain how the space settlement gonna work**

- **The 2D art**
  - **Was the planning of the project, the drawings was used to have the ideia how the space settlement will be**

- **The 3D art**
  - **The final concept of the settlement, was modeled by the students in order to show more detailed the structure of the space settlement**

The Space Settlement

Name:

Mogi C I

Location:

Gliese 667 - a triple-star system in the constellation of Scorpius.
Orbiting the planet Gliese 667cc.

Description of the Settlement

Residential

there will be 1,500 people living in the buildings, as well as having recreation areas and transportation.

1500 people will be part of the first inhabitants of the space Settlement, among them there will be professionals who will prepare the station to receive new inhabitants.

The choice of buildings was due to the better use of space.

The transport of the residential cube to other cubes will be done only by collective transport.

Transport

The people will be carried by trains powered by magnetic force, there will be no private transportation.

Energy

The station will be powered mainly by solar energy capped by the solar panels that are outside the station. Other sources of energy that can be used to generate are generated by the inhabitants residues and other sources to be researched.

Average consumption of a person in your house and 4,070 W.

Our residential area will consume approximately 6,000,000 W.

Basic sanitation

All residues generated by the station will be treated, generating energy and the water treatment will be done in the conventional manner.

Natural reserve

In this cube we will have a part of the fauna and flora of planet earth, in addition to the preservation of the memory of the planet earth, will also be a source of useful resource generation for the Settlement.

Services

In this cube there will be the health area that will contain the hospitals and clinics, will also have the fire brigade, police, schools and other areas of public utility.

Firefighters and police will have exclusive rails for the fastest possible service.

Agriculture

In this area there will be several areas of plantations, with different cultures. The access will be made by the transport of rails and artificial rivers passing to the sides of the plantations for a better access and control of each species planted.

Livestock

There will be the animals that will be created to feed the population, besides generating some raw materials for the industry. They will be divided into areas of animals that need more area to be raised and smaller areas for small animals.

Industry and Commerce

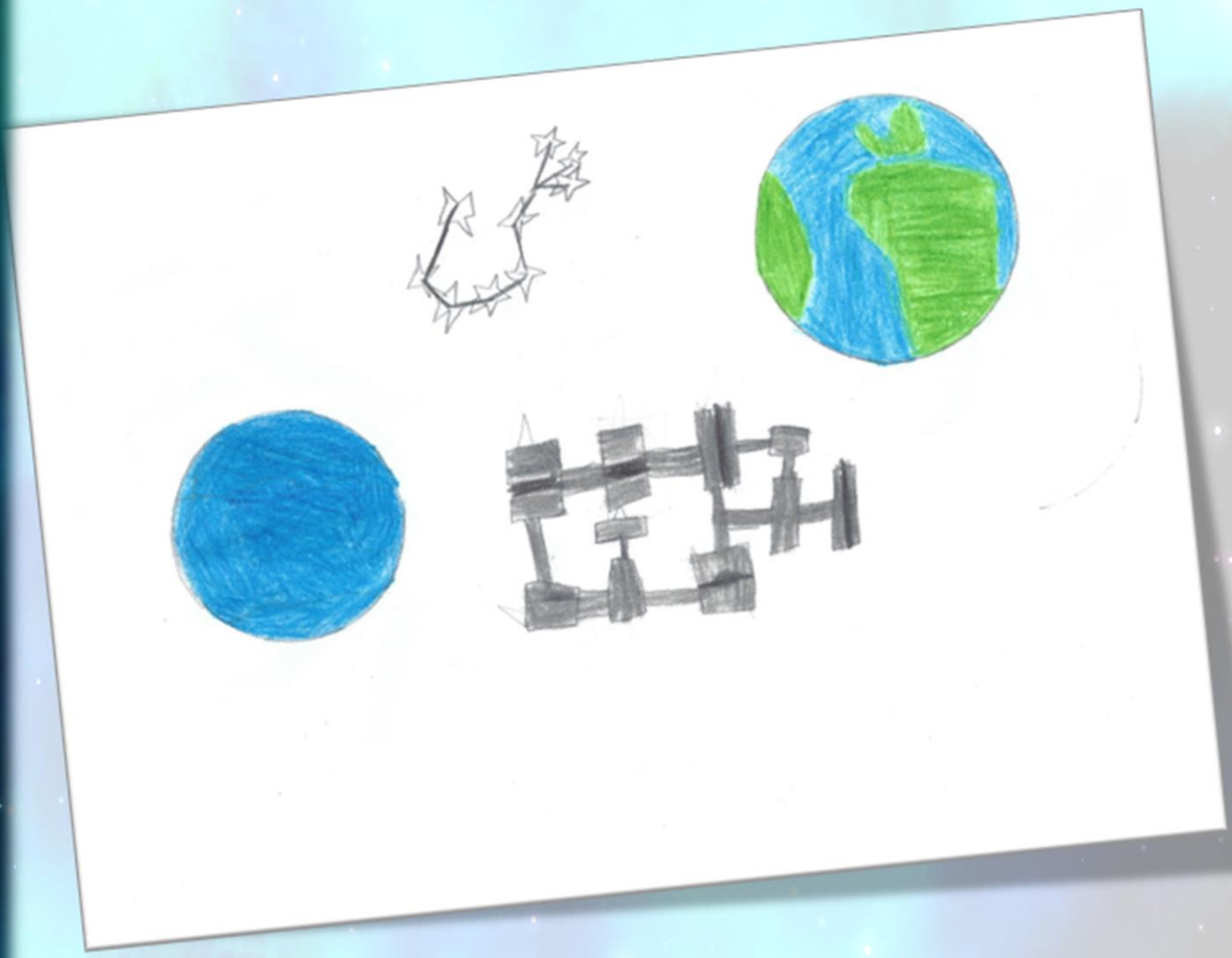
Place where the production and distribution of the resources produced inside the station will be, there will be a system of money to be able to make the exchange for products and goods, besides the paid work.

Administration and Control

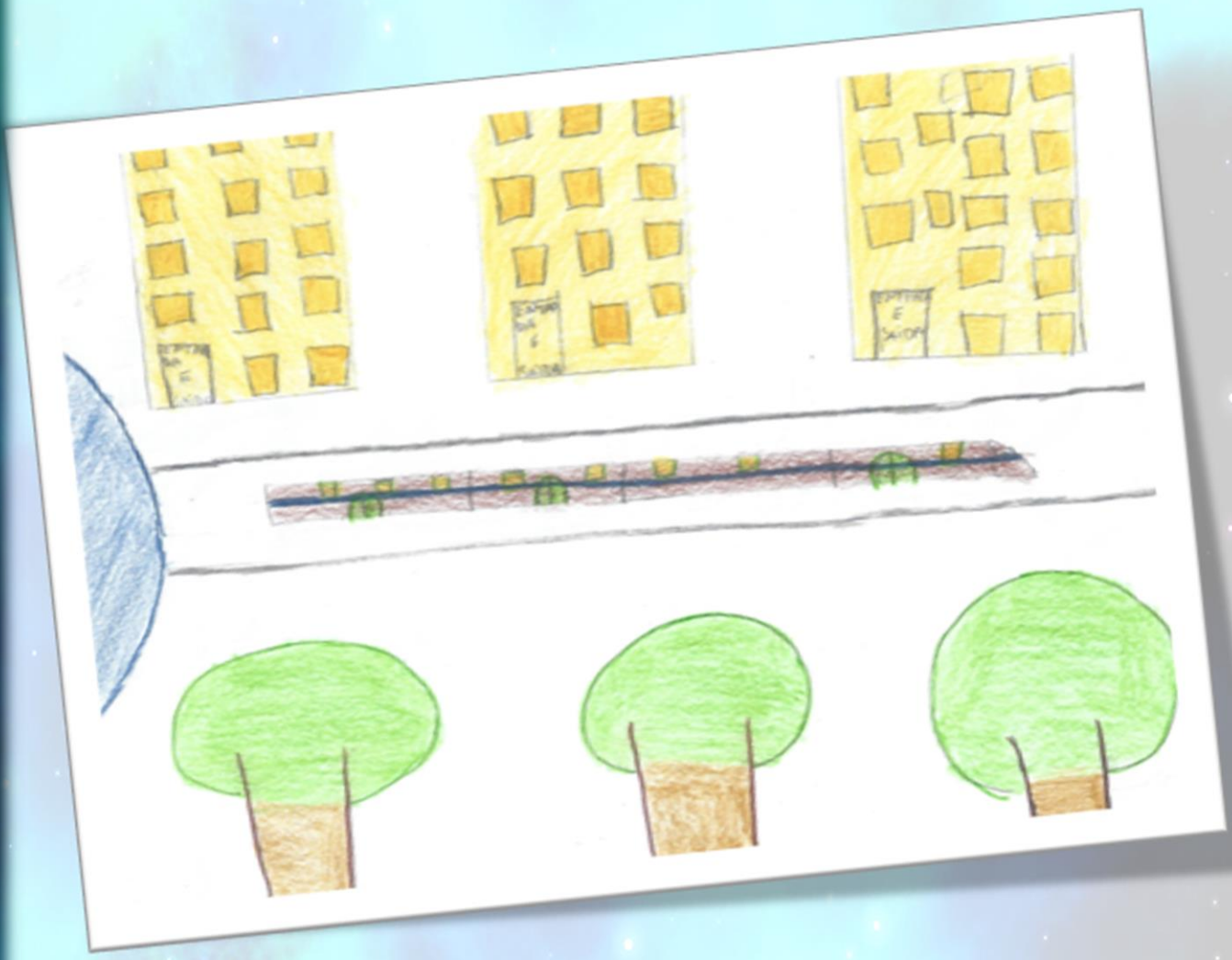
In this area will be the entire administration of the station, such as the established government and other areas. It will also have control, with the sources of energy, entrance and exit of the explorers, study and research of the planet and protection of the station.

2D ART

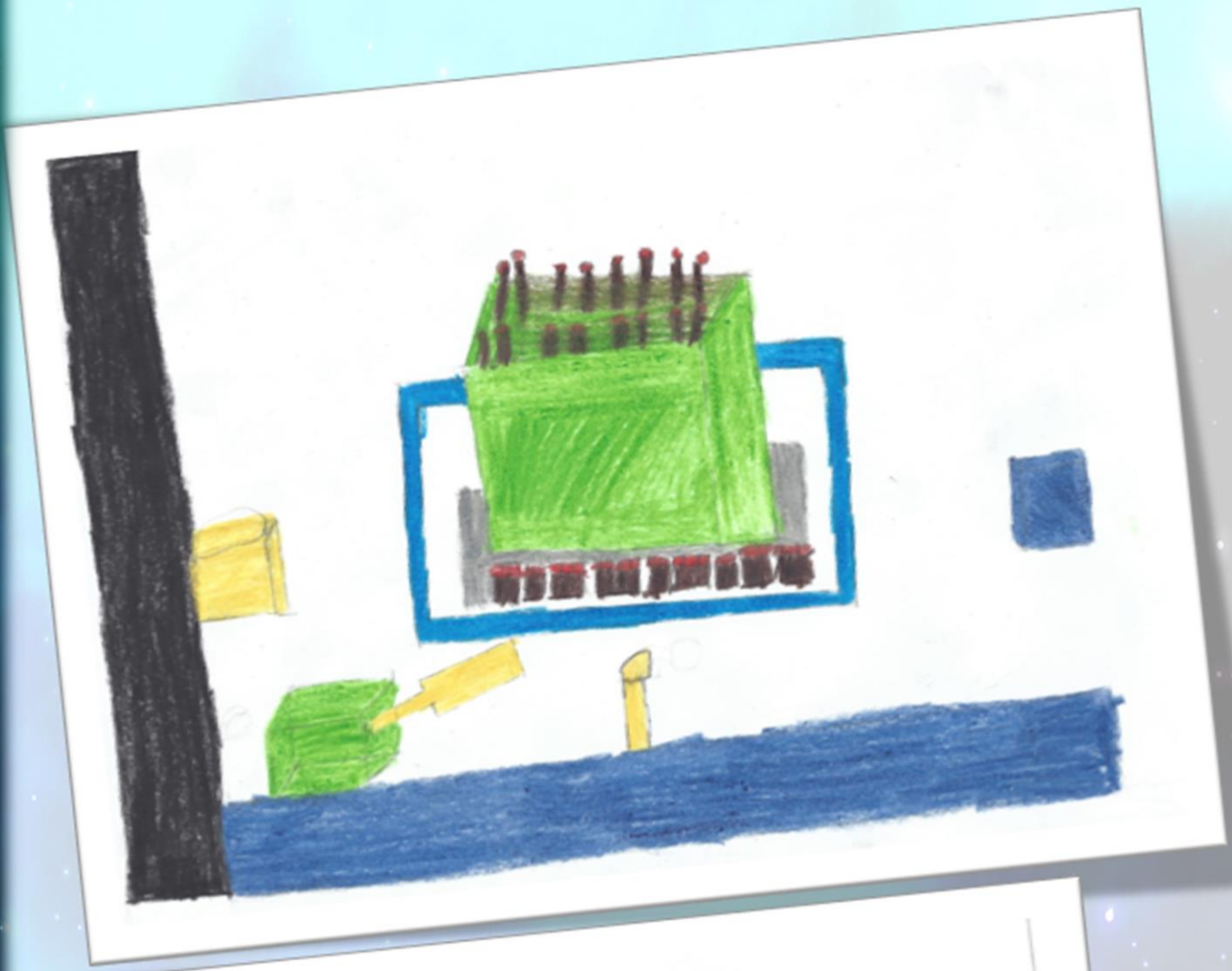
Space Settlement

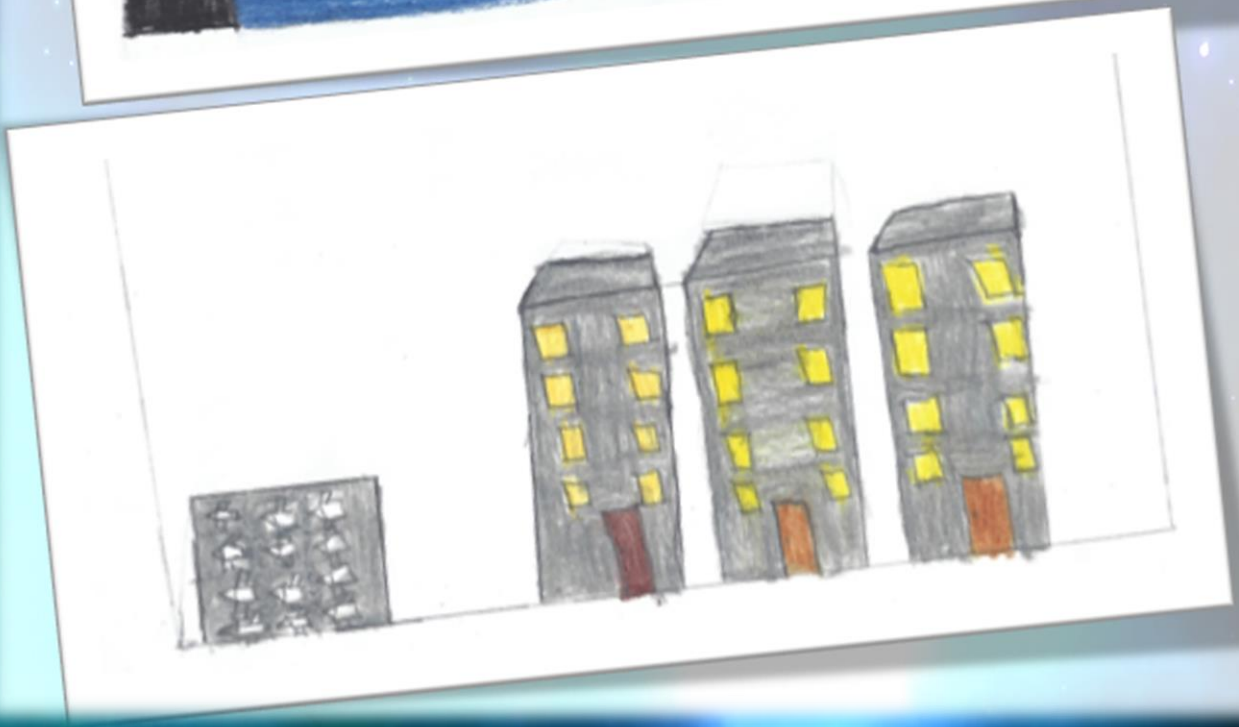


CUBE "REDIDENTIAL"



Cube
"Administration Control"





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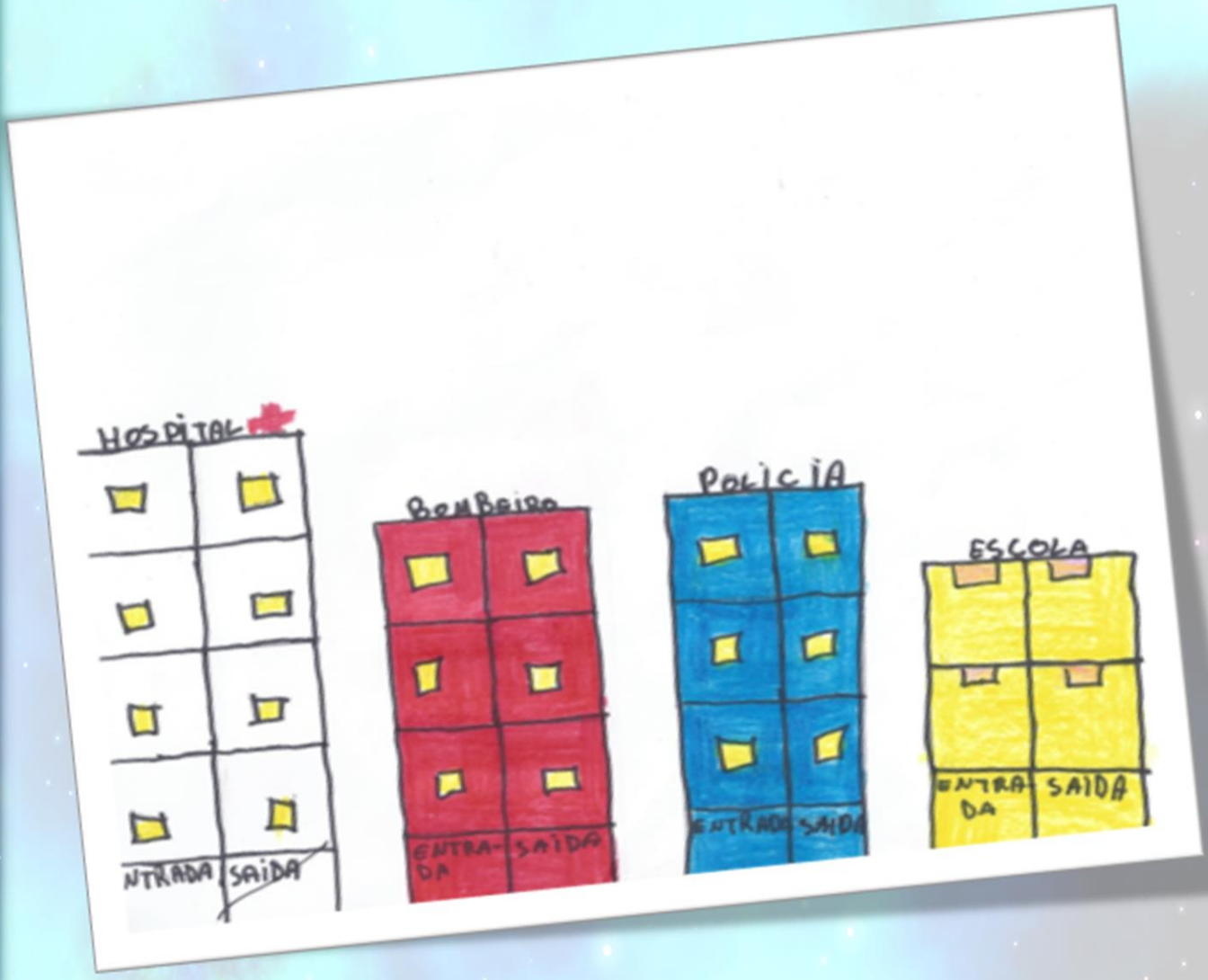
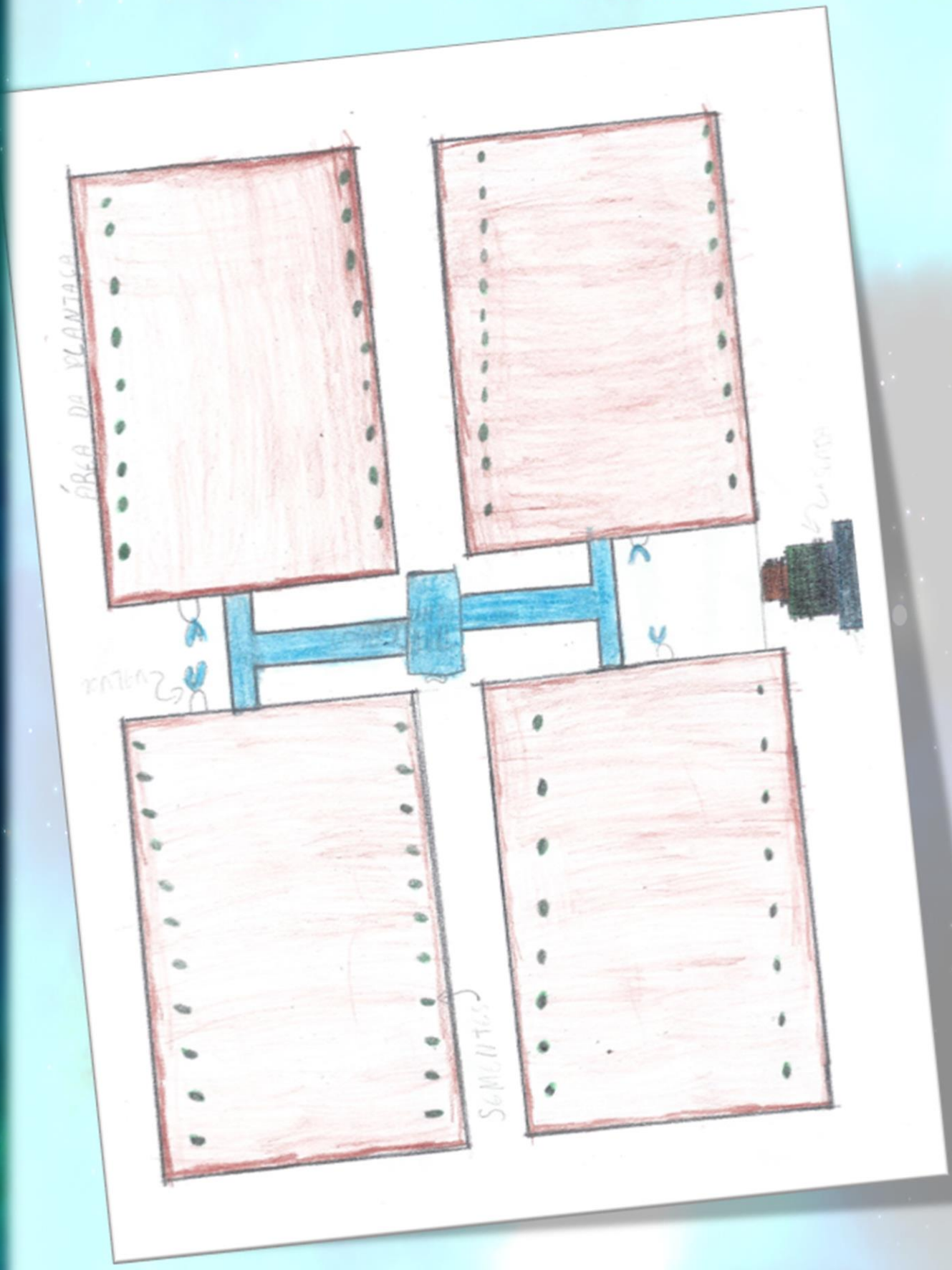


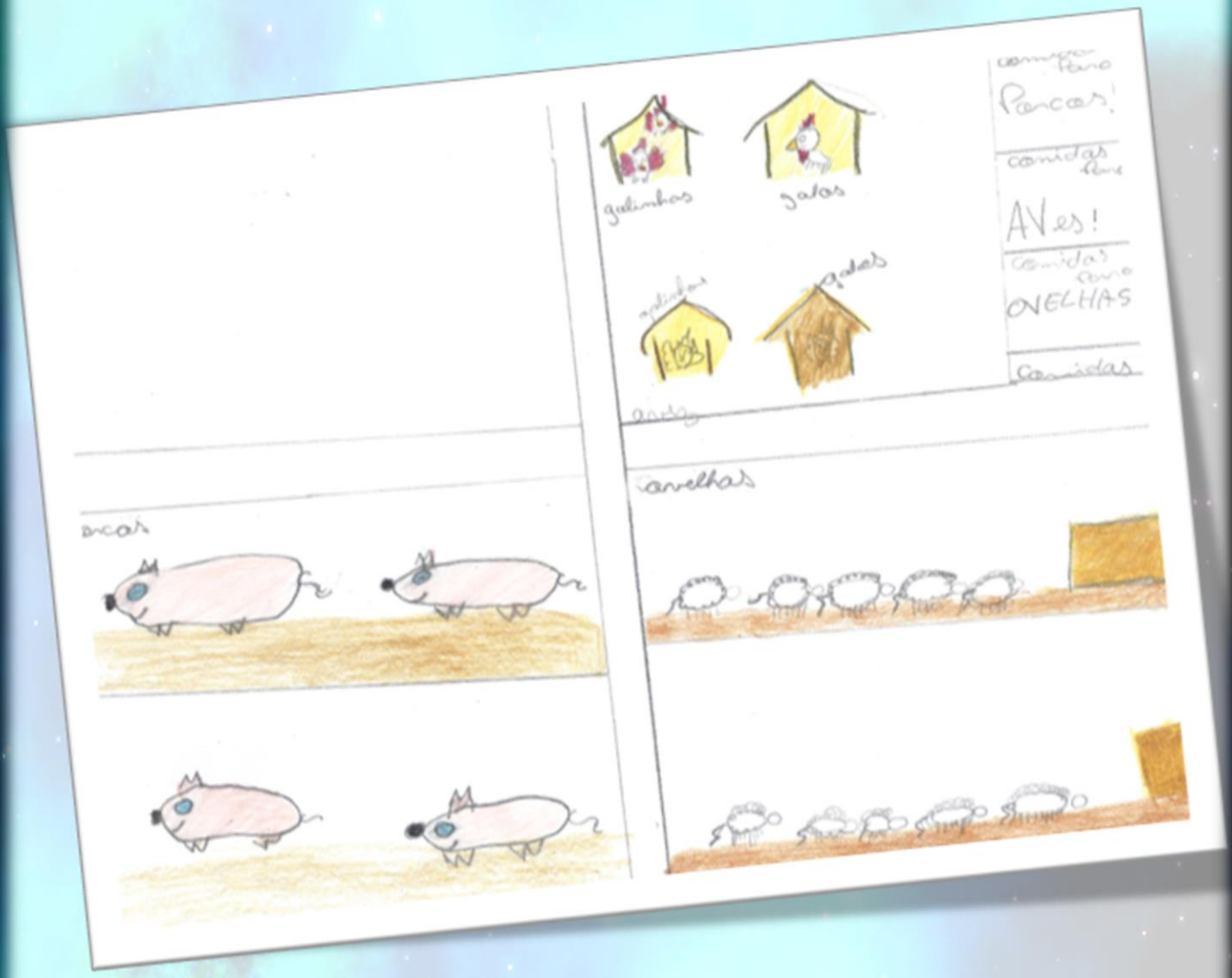
Cube
"Industry and Commerce"

CUBE "NATURAL RESERVE"

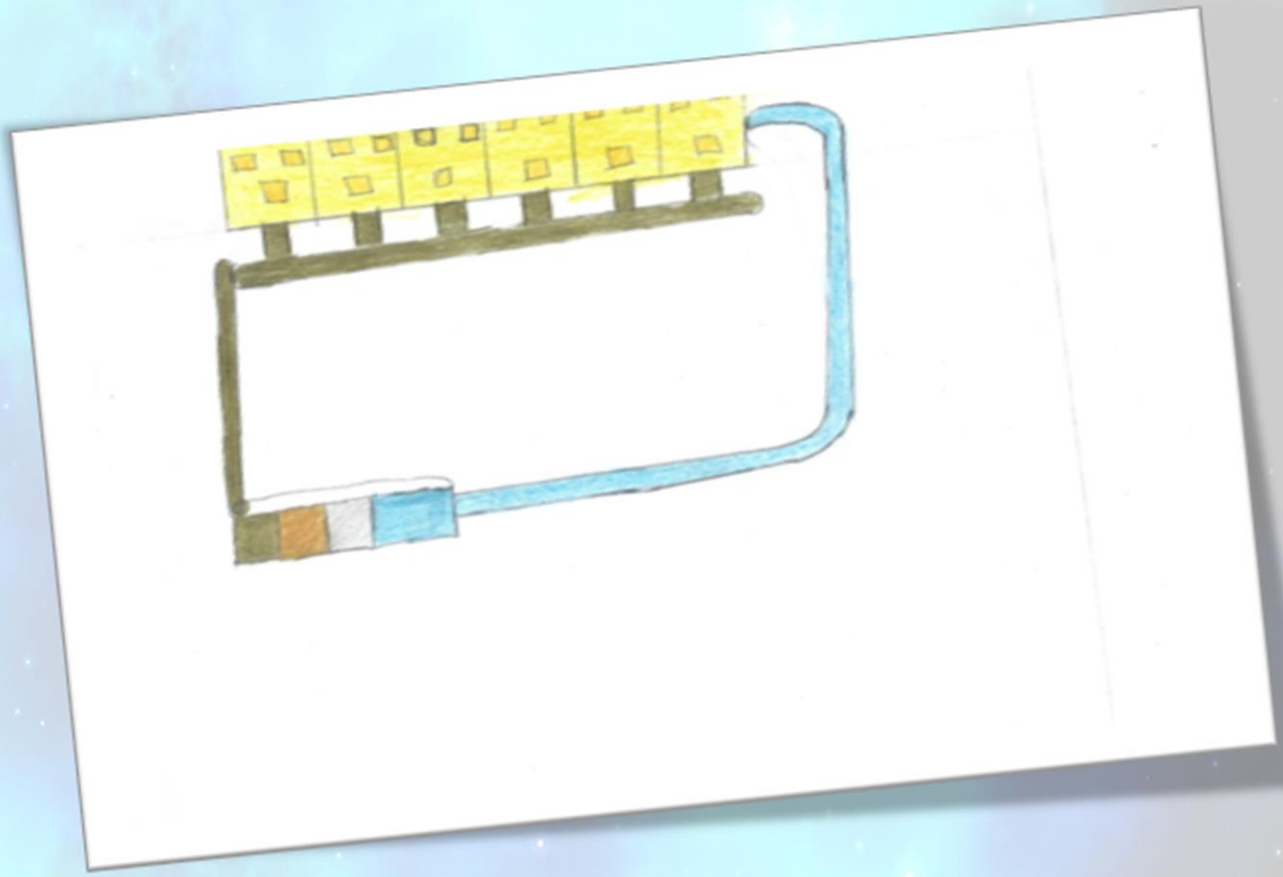
CUBE "AGRICULTURE"



CUBE "LIVESTOCK"



CUBE
"BASIC SANITATION"



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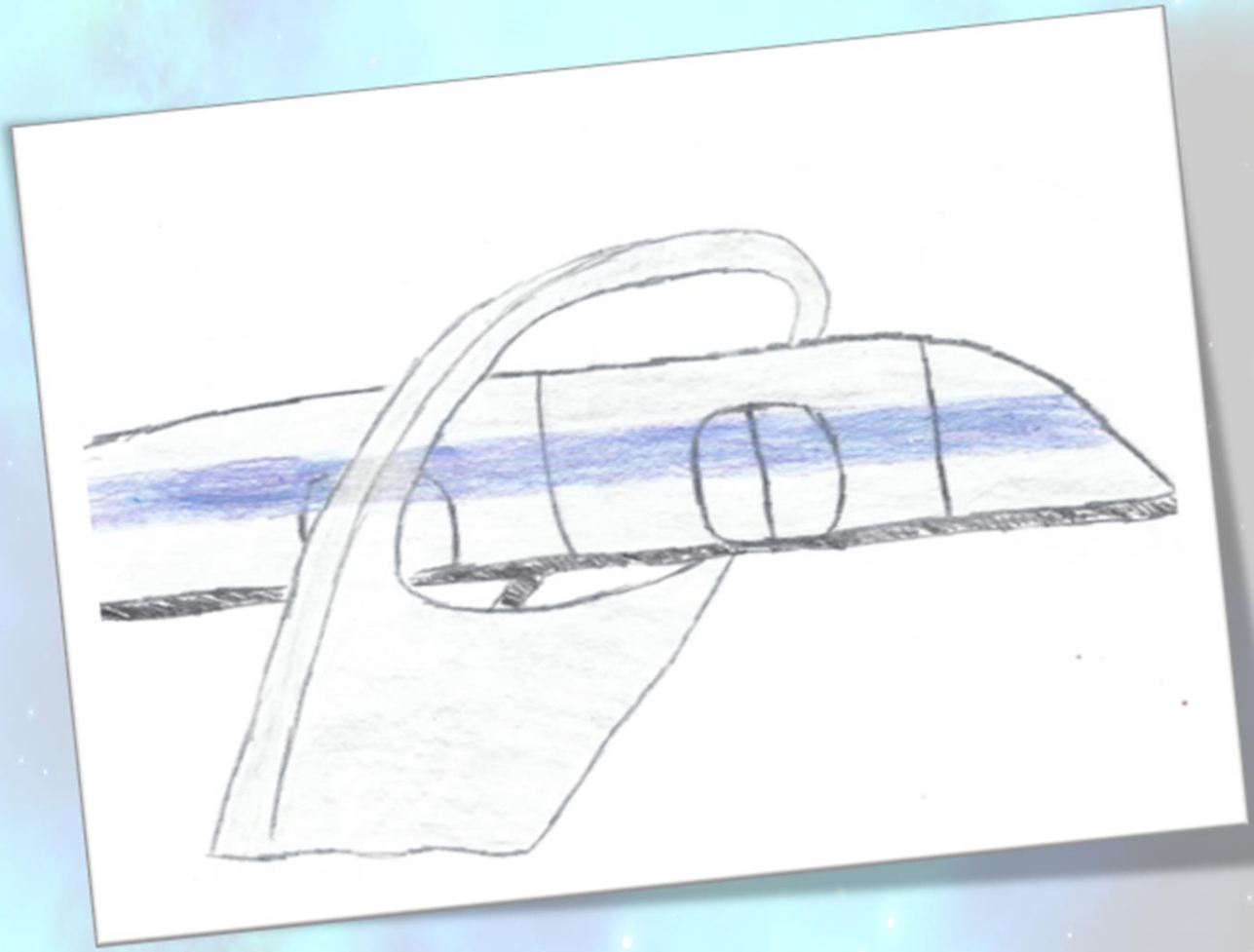
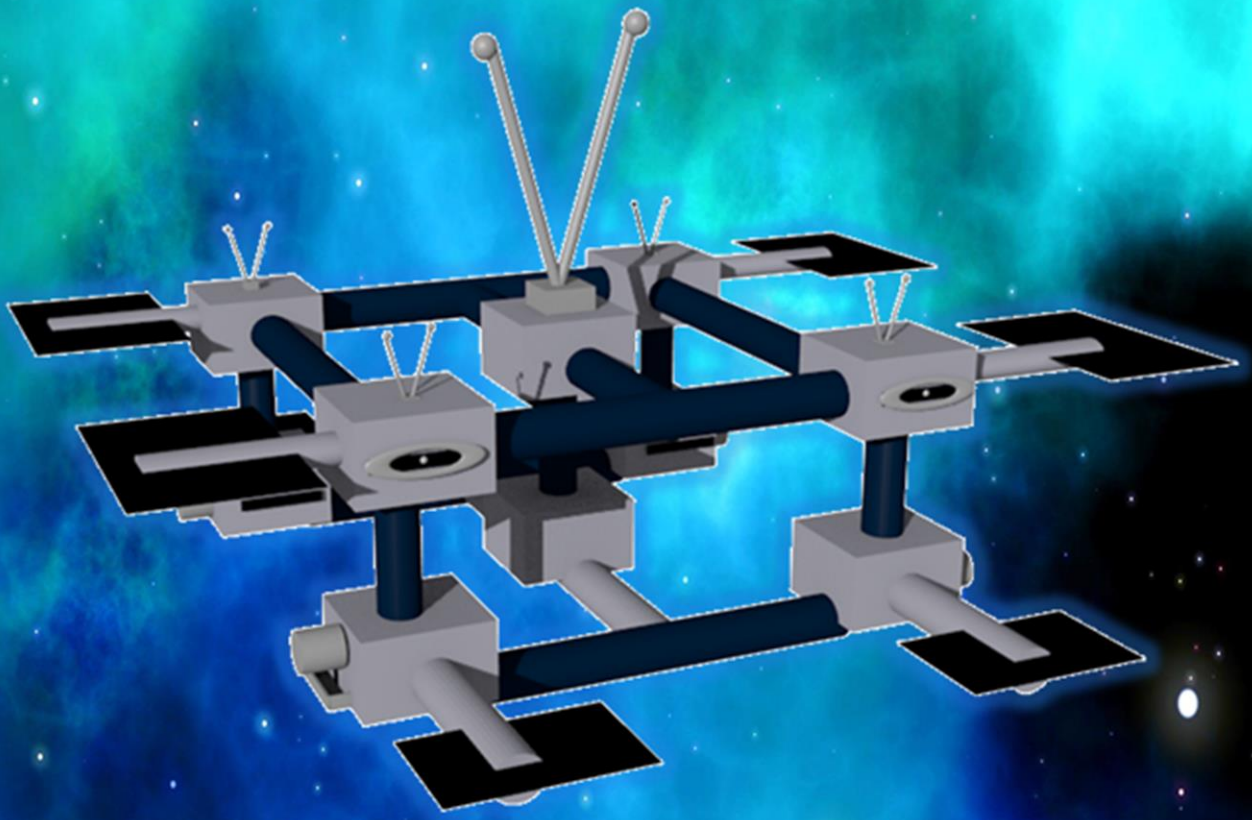
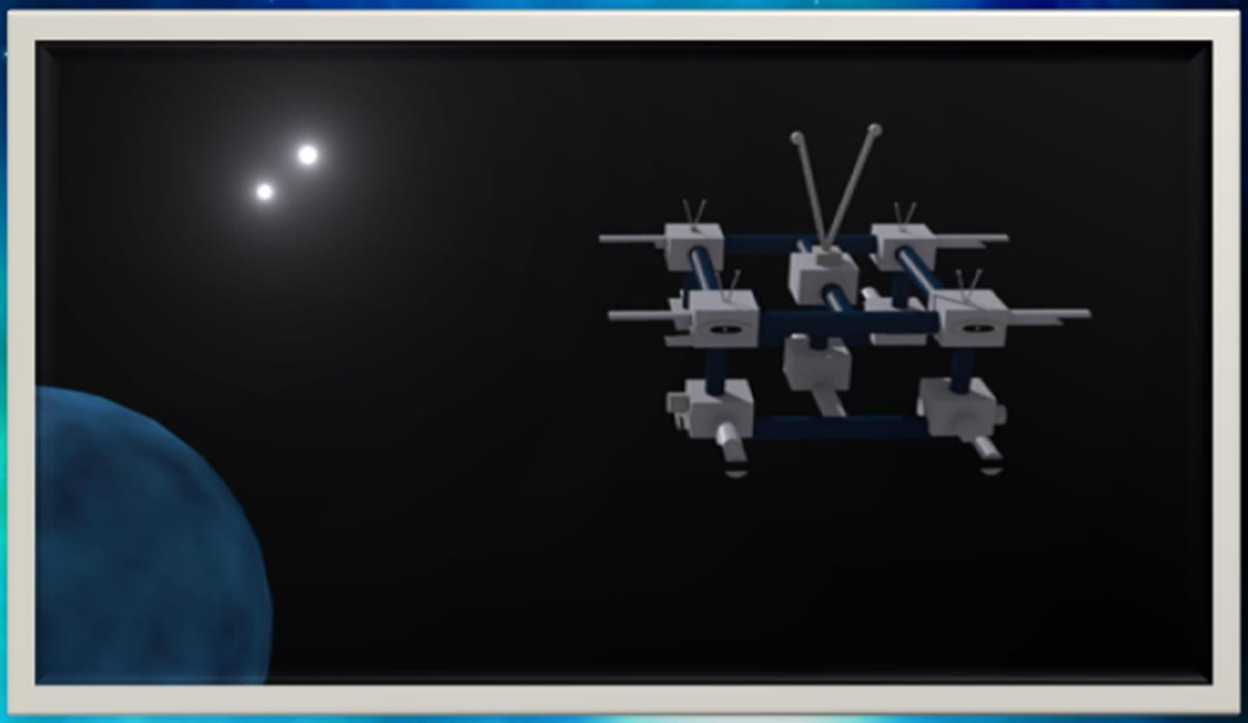


3D ART

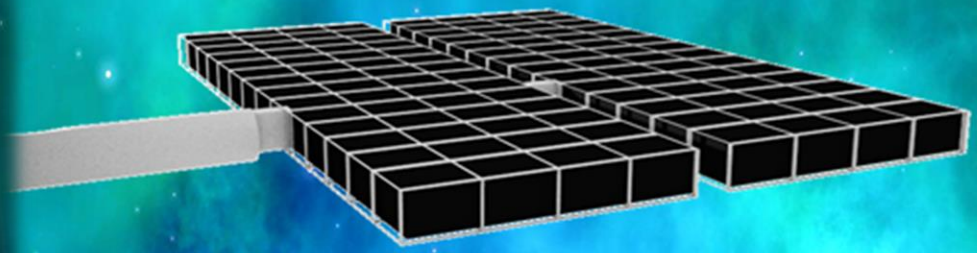
SPACE SETTLEMENT

MOGI C I

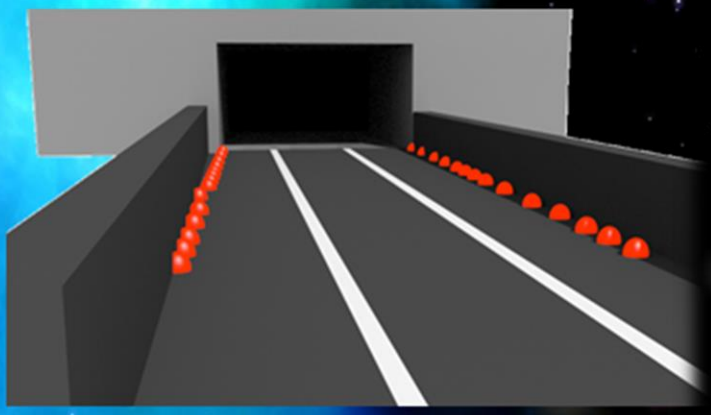




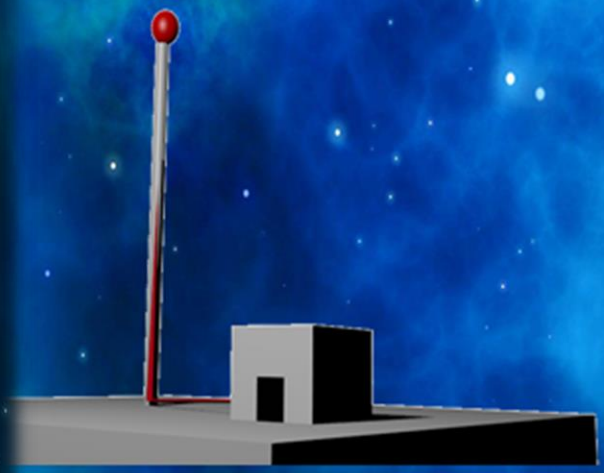
SPACE SETTLEMENT DETAILS



SOLAR PANELS



ENTRANCE OF EXPLORATORY SHIPS



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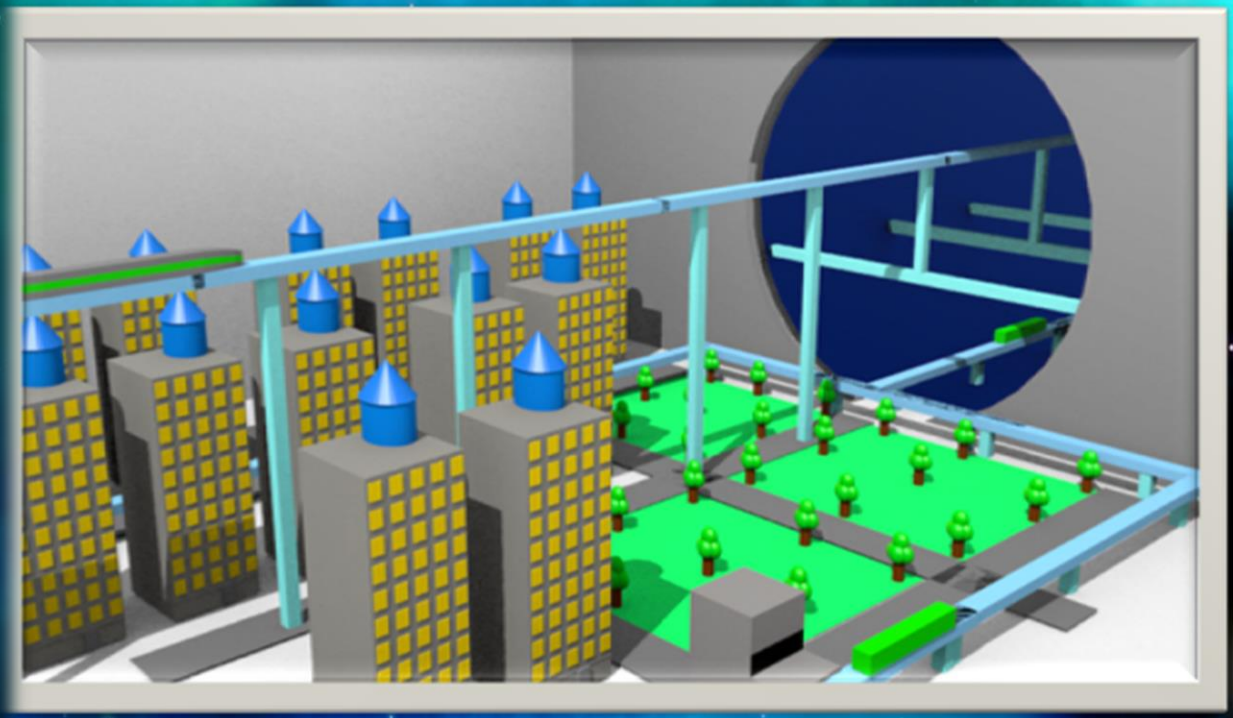
OBSERVATION

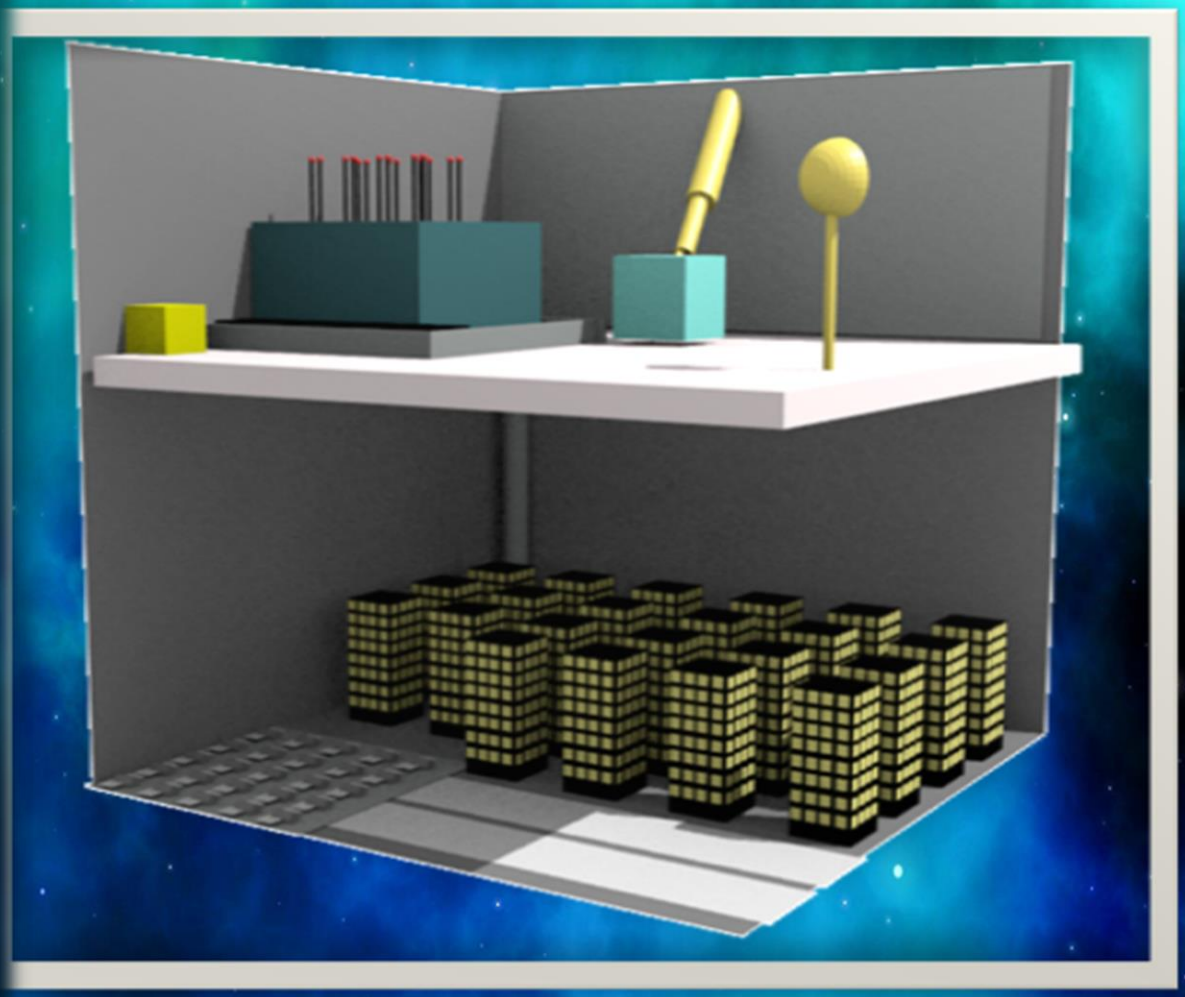
SPACE SETTLEMENT'S FLAG

CUBE "RESIDENTIAL"



CUBE

"ADMINISTRATION / CONTROL"



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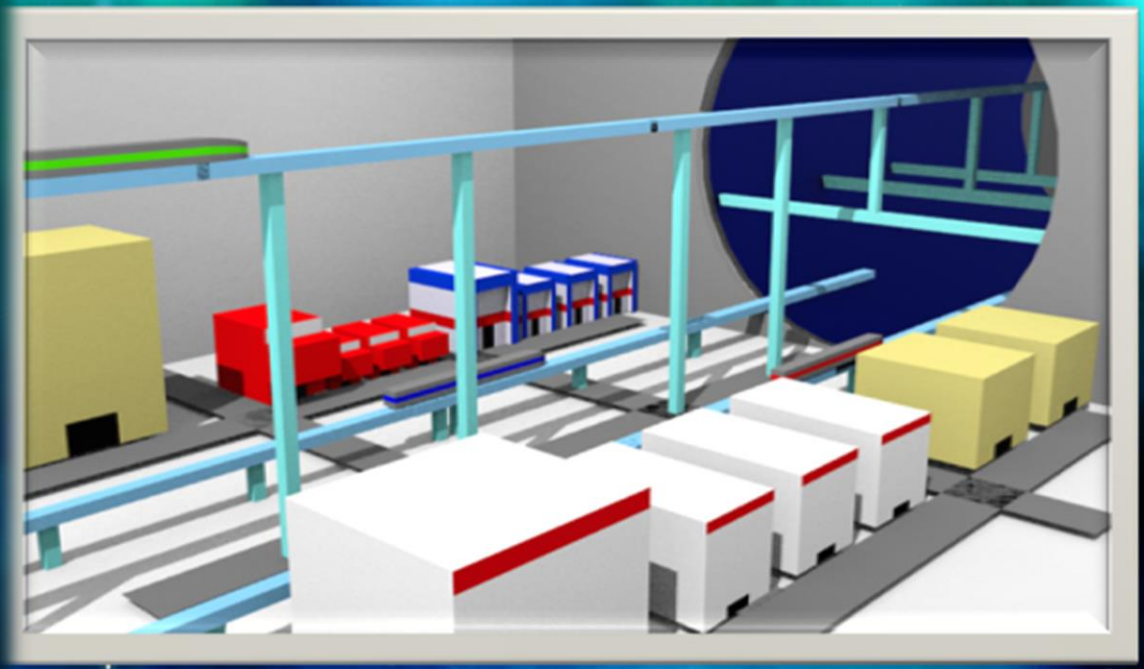
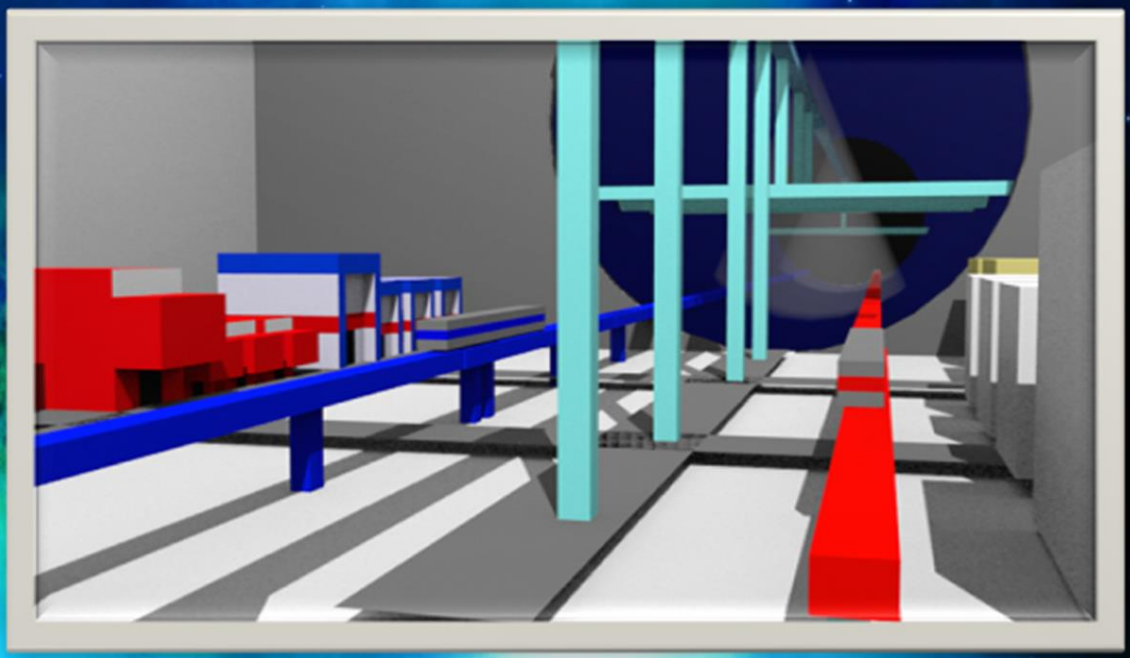
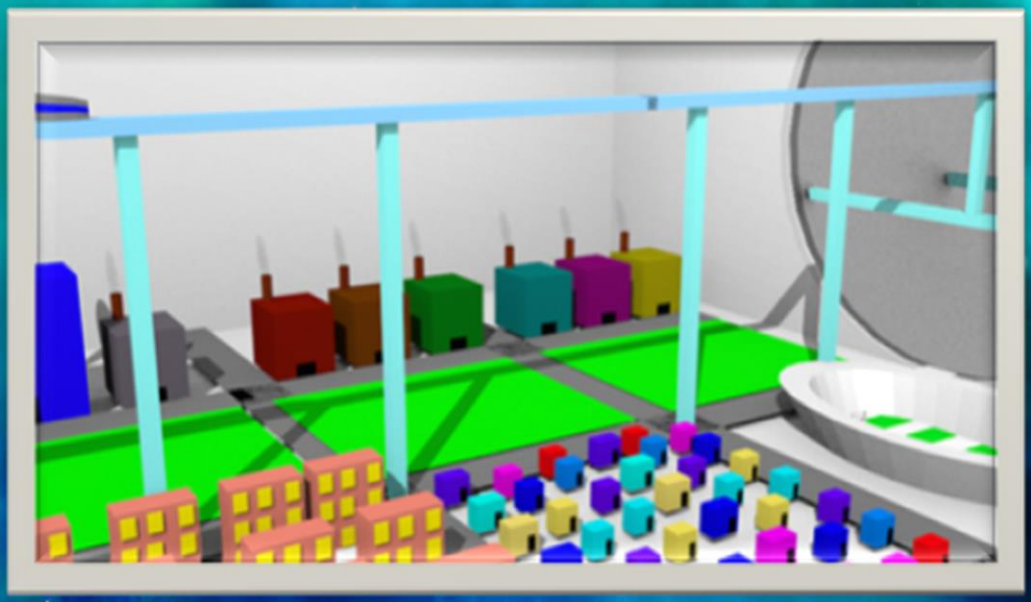
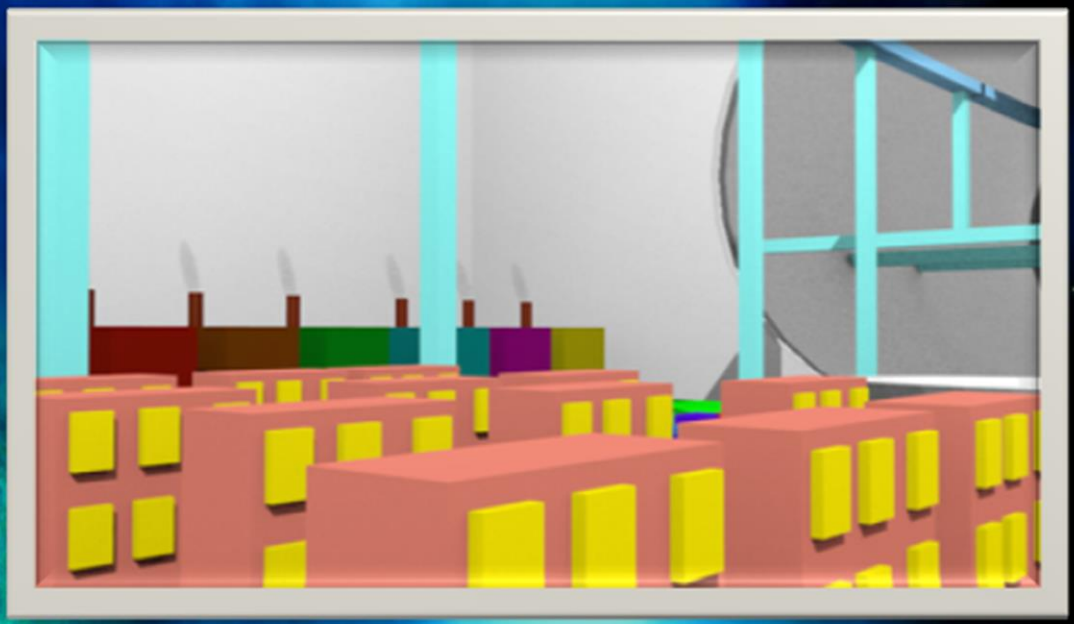




CUBE

"INDUSTRY AND COMMERCE"





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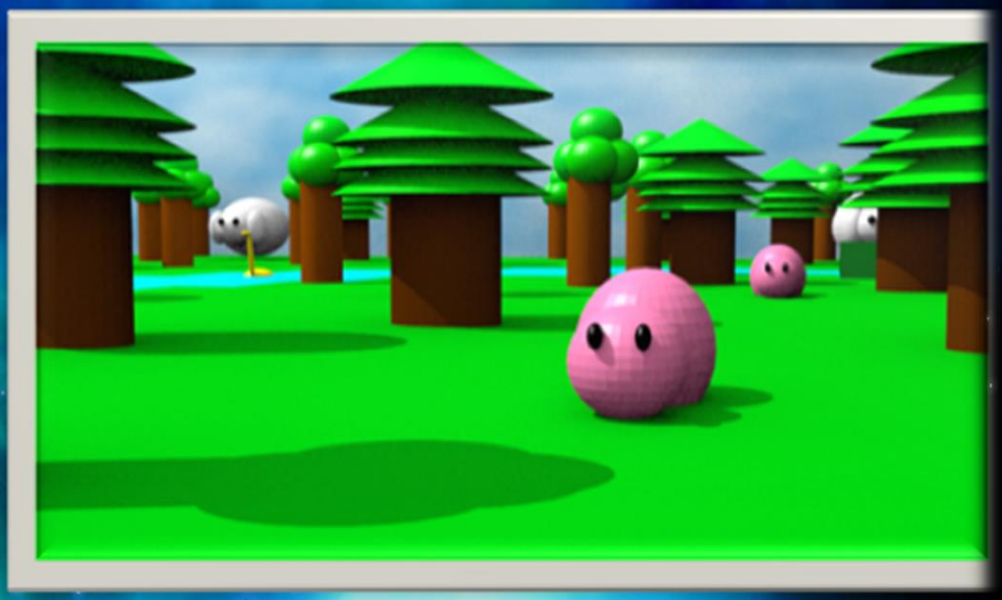
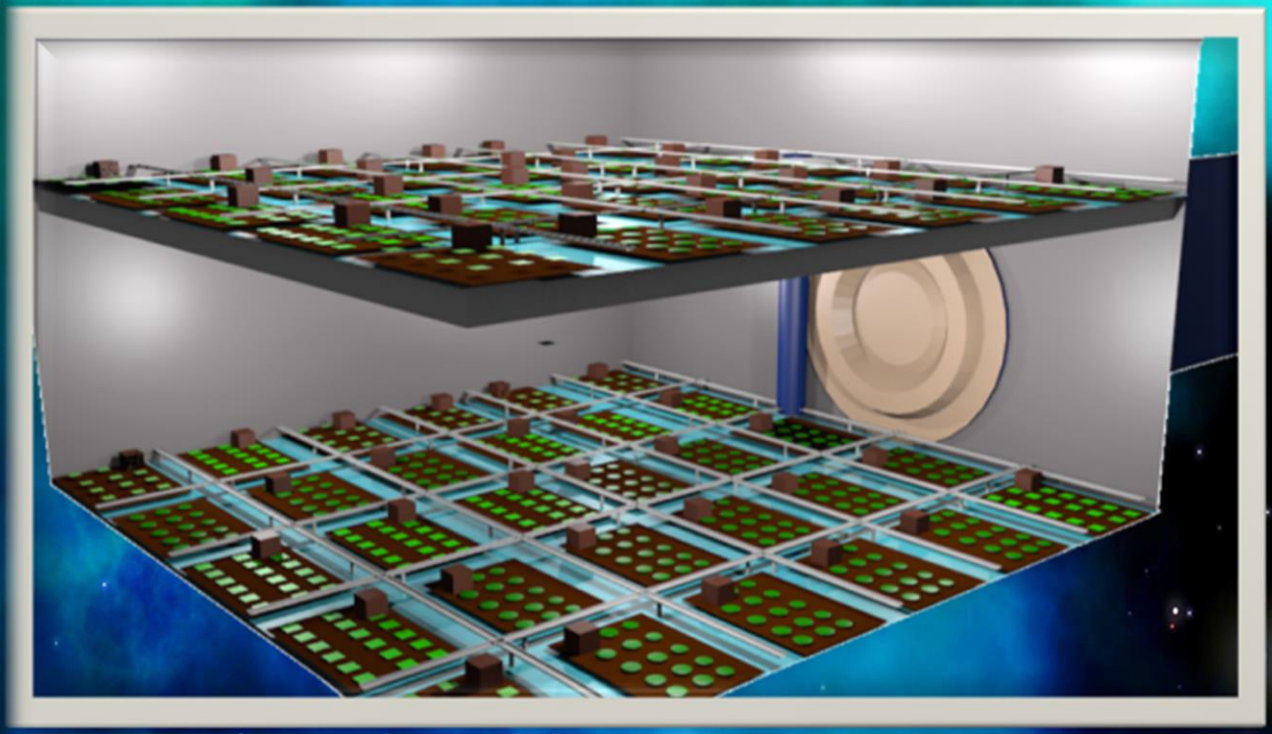
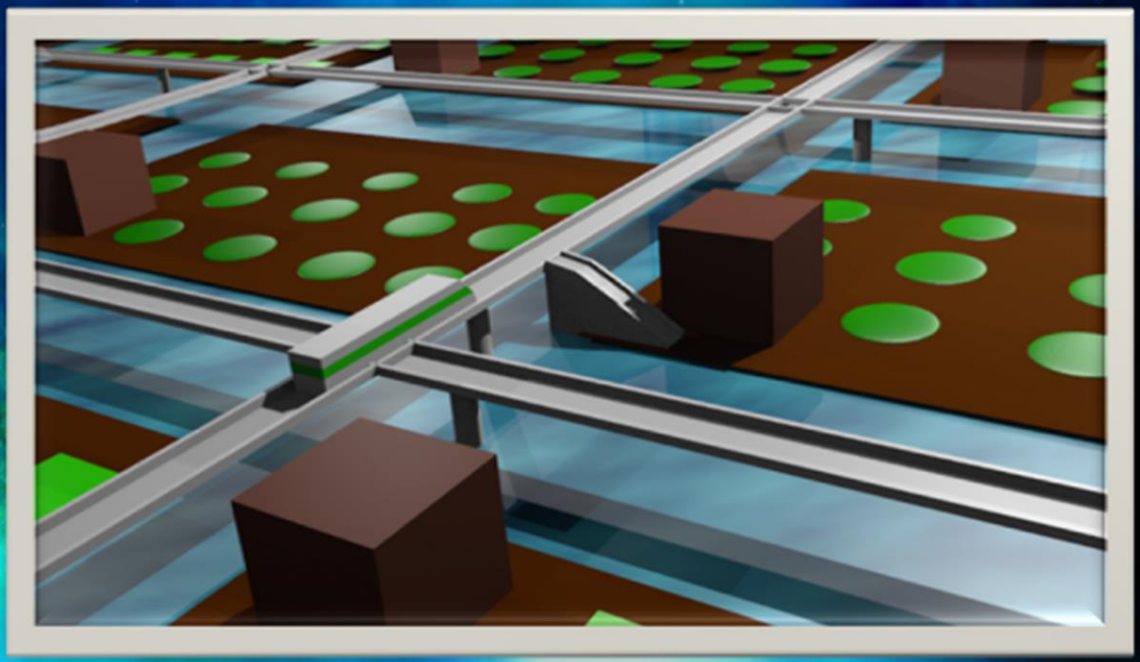


CUBE "AGRICULTURE"





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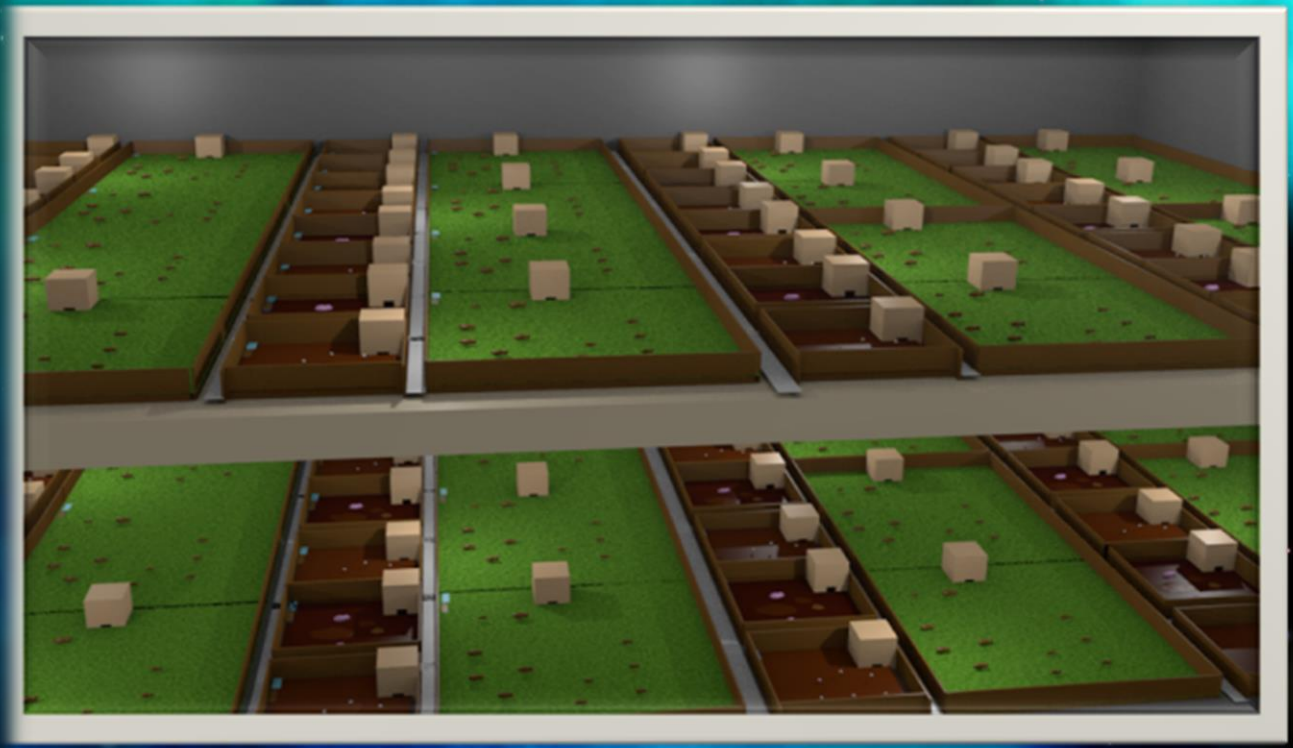

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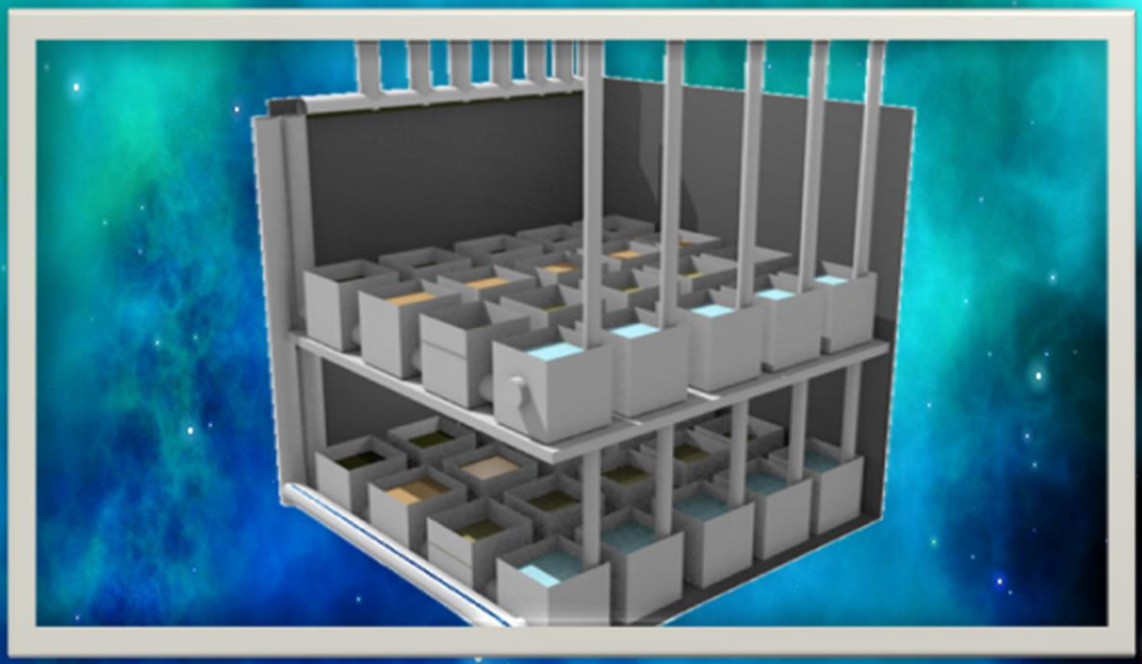

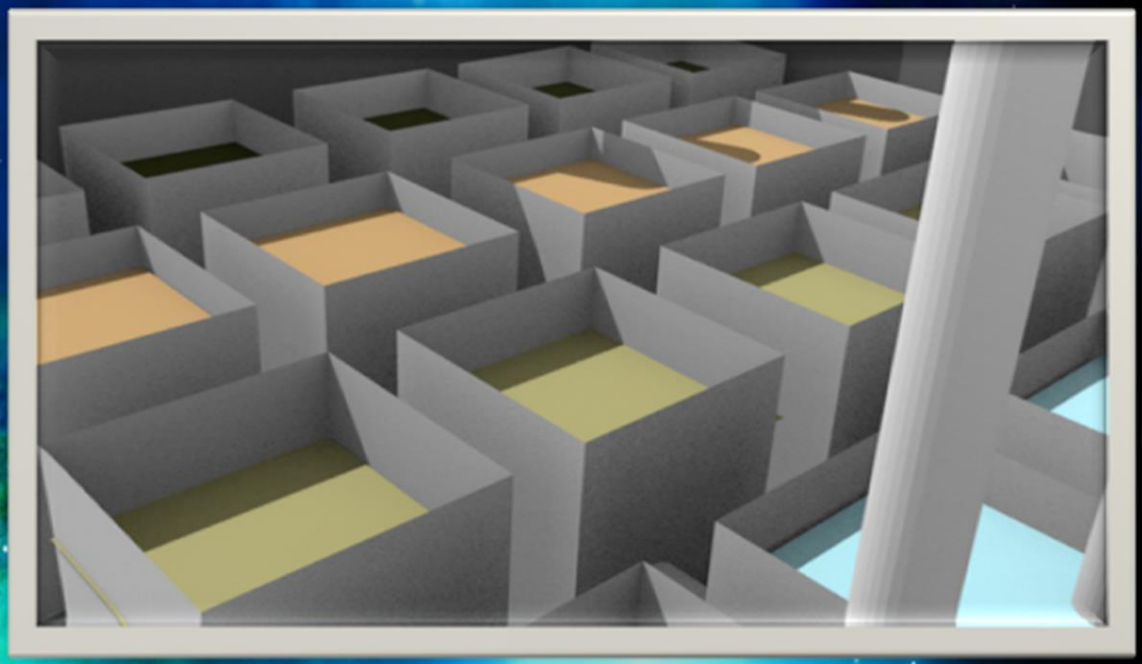
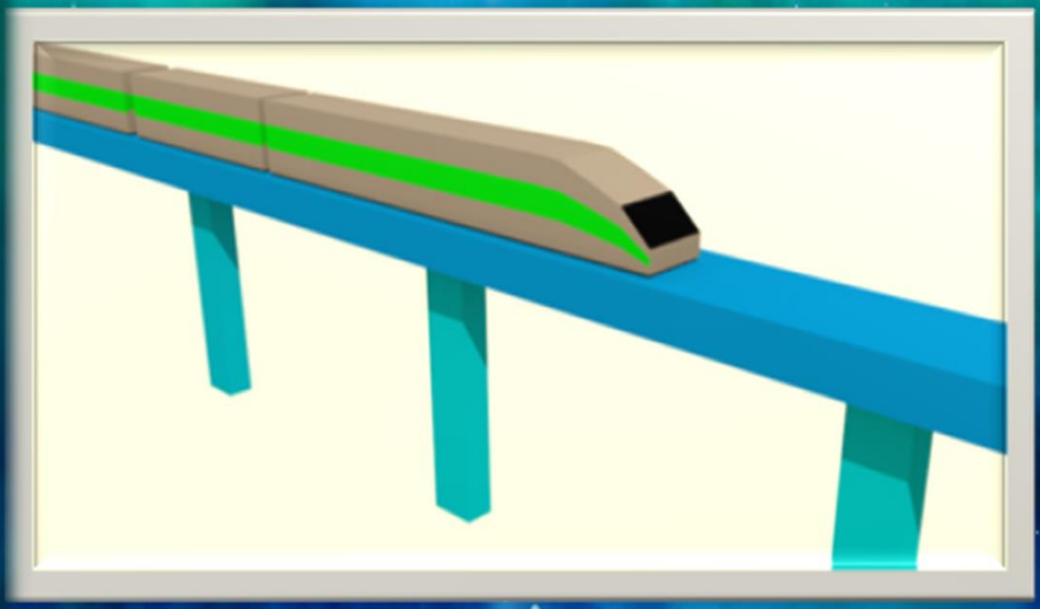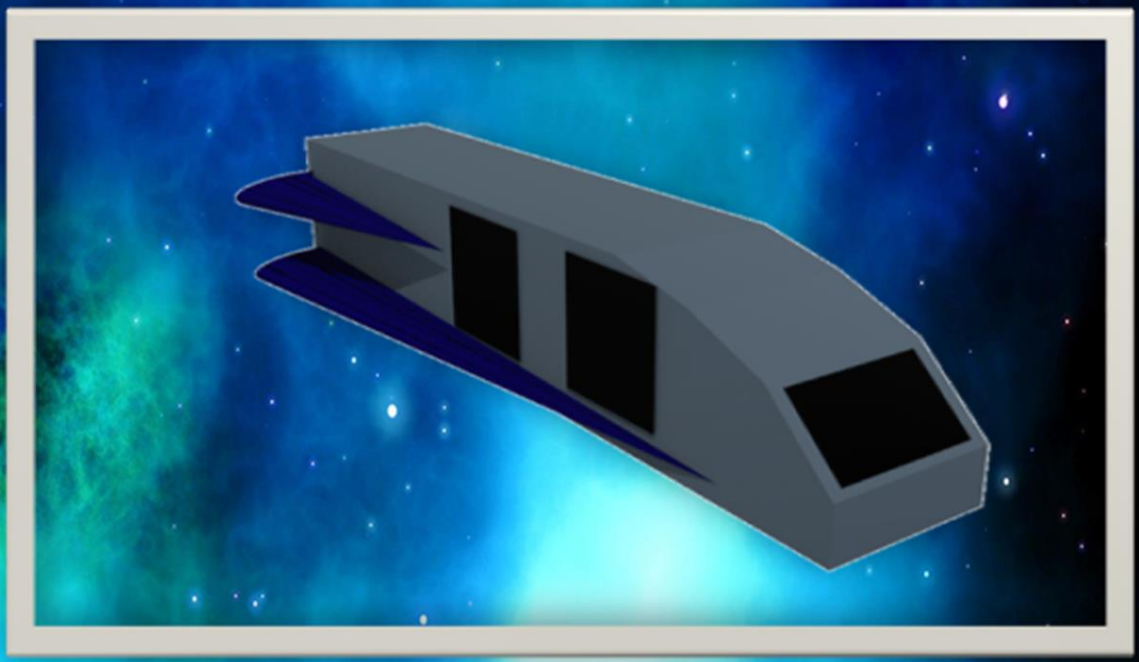
TRANSPORT