

## INTERNATIONAL SPACE COLONY

# MAYA



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Small group 9<sup>th</sup> – 10<sup>th</sup> grade

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**CONTENT**

1. Introduction
  - 1.1 Who are we
  - 1.2 Our vision
  - 1.3. Our mission
  - 1.4 Name of the colony
2. Location
3. Artificial Gravity
4. Design of the colony
  - 4.1. Bearing structure
  - 4.2. Fastenings
  - 4.3. Residential module
  - 4.4. Bio center
  - 4.5. Industrial module and module of service activities
  - 4.6. Command center
  - 4.7. Hangar
  - 4.8. Shipbuilding module
  - 4.9. Social center
5. Cosmic elevator
6. Sequence of assembly of the colony
7. Life supporting systems
  - 7.1. Radiation protection of the colony: Active and passive protection
  - 7.2. Water cycle: extraction of basic quantity treatment systems
  - 7.3. Air cycle: obtaining and purification
8. Energy
  - 8.1. Solar panels
  - 8.2. Atomic batteries
  - 8.3. Nuclear fusion reactor
9. Biosphere
  - 9.1. Choice of species - fish and seaweeds