CubeSat Blueprint with AlbertaSat
We are a student group who builds satellites

Ex-Alta 1
Cube satellites

1U

3U

Bread

12U
Satellites need power and communication

What are these? SOLAR PANELS

What are these? ANTENNAS
The Motherboard

Inside the satellite we have the **computer**
Ex-Alta 2: The wildfire satellite
Payload

The science experiment

Iris Imager
Magnetometer measures magnetic fields
What things does a satellite need?
Imagine that you are an Engineer working for the Canadian Space Agency and you need to **design a satellite** and **draft a blueprint** of what you want it to look like!
Your satellite needs:

- A way to communicate
- A source of power
- A reason to be in space
- A way to orient itself
- A way to control everything

BE CREATIVE!!!
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