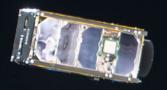


CENTER FOR

ASTROPHYSICS



Libre Space Foundation



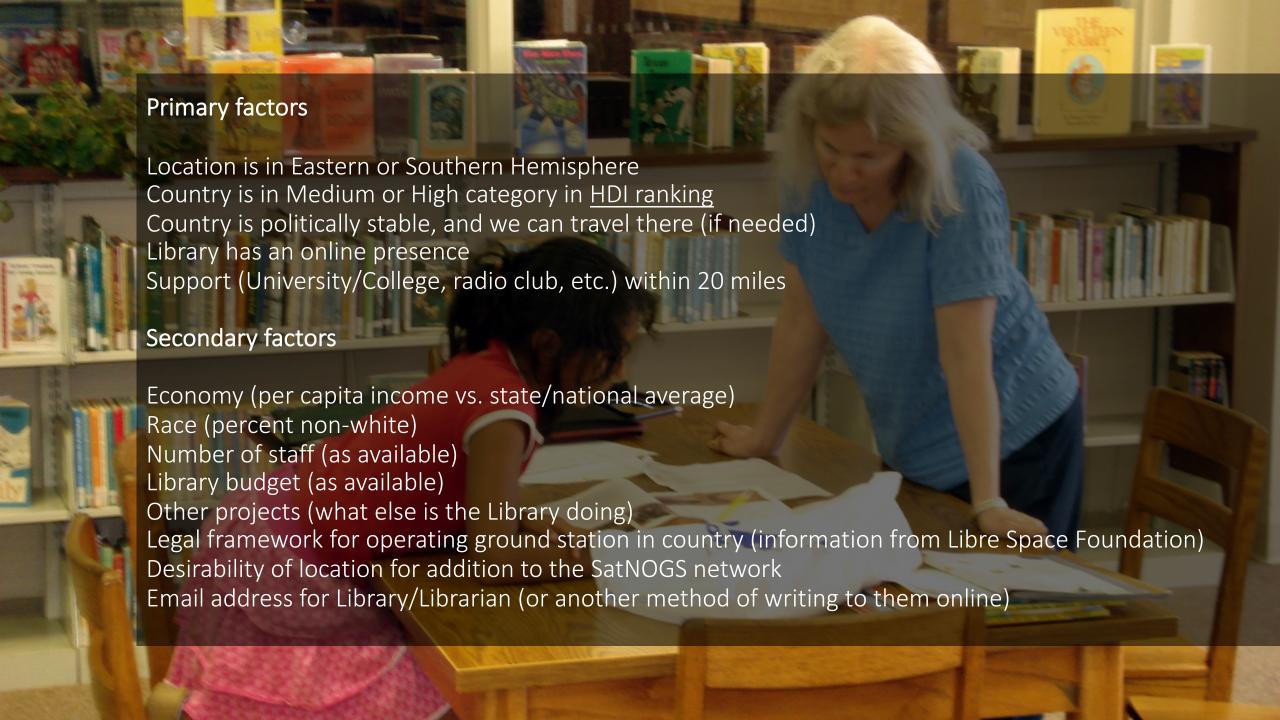




The Library Space Technology Network (LSTN) is a project that offers public library communities the chance to build and engage with space technology.









Wolbach Library





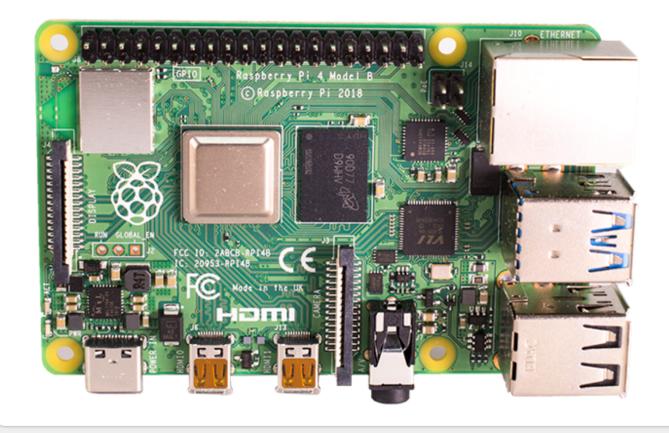












Single Board Computer

What is it?

A single board computer is a small, inexpensive, but fully functional computer.

What does it do in the LSTN kit?

The computer has SatNOGS software installed that allows us to track and record information from passing satellites. It is connected directly to the software-defined radio (SDR) to receive transmissions from the satellites. It is connected to the internet



Parts

- 1. Single Board Computer
- 2. Power for Single Board Computer
- 3. SD Card
- 4. USB Extension Cable
- 5. Software Defined Radio
- 6. RF Cable (SDR to LNA)
- 7. Low Noise Amplifier
- 8. USB DC Cable
- 9. RF Cable (LNA to Outside)
- 10. UTP Enclosure Connector
- 11. Enclosure

HANDBOOK

3

Holding the screw with your finger, flip the Raspberry Pi back over and start screwing on one of the stand-offs with your fingers. After a few turns, finish tightening the screw with the screwdriver. Repeat with the three other holes on the Raspberry Pi.





Satellite Communication Activity

First, watch this short five minute video for an introduction to this activity:

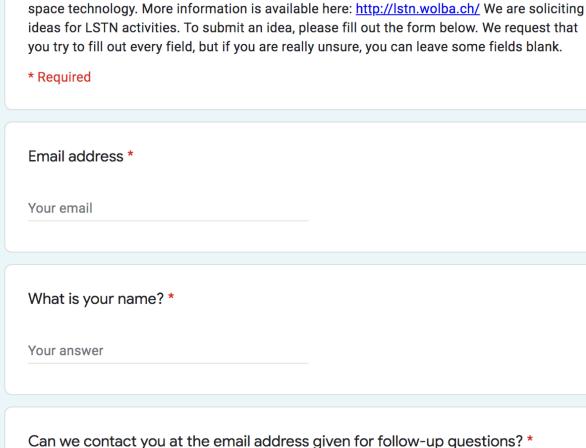


Now listen to this!





This is the actual communication



LSTN Activity Idea - Submission Form

The LSTN project offers public library communities the chance to build and engage with





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Thank you Questions?