Ham 303 - As3 maker rubric

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Let's have a great, fun Maker Day. Makers will need to prepare a couple of items.
If you do not plan to Maker today, come anyway to see what is done and for the camaraderie.

The place to be is www.evergreencg.org.
Read AllStarLink 3 section Ham 301 - 310 articles.
You can do this! Elmers will help, but not do it for you.
Everyone needs to Register on www.Allstarlink.org for a Node Number, soon, before you build.
　　Even non-Makers need this to talk to repeater on your phone.

If you plan to make a node, you need:
　　Additional registration setup on www.Allstarlink.org
　　Makers expand to 2 node numbers.
　　Make NODE passwords with letters, numbers, underscore or dash. No special characters, we found
　　out hard way. You will need two server names, two call sign display names (like NM0D & NM0D-L),
　　two passwords.
　　You will need to link the servers and the node numbers.
　　Elmers will help in this area if needed.

If you plan to do app setup, you need:
　　Node registration number
　　microSD card, 8GB or so, class 10 or better.
Pi and power supply, no other hardware required.
　　Ethernet cabler for initial setup.
　　A laptop so you can access the set-up website.
　　If you have, bring a card reader for your laptop.
　　Your home Wi-Fi network name and password, so it can be added.

> Rubric
> *Way to do something*

If you plan to fabricate a cable you need:
　　Parts from parts list, either a simplex or a local RF-less.
　　Small screwdriver that came with DB9 connector.
　　Short 2" piece of tape. Heat shrink for simplex is nice but nor required.

If you plan to install in case, you will need:
　　Buy case. Brett may have a few. His email is in the CC. 3-D print is an option.
　　Playful Pink, OSU Orange, OU Crimson, TU Blue, titanium White, onyx Black, & natural
　　OD are available.
　　Know which Pi you have (2-3-4) so you can get correct size. Model 4 with fan is $5 more.
　　Send him an email to get the color and size you need.

If you plan to setup SmartPhone, you need:
　　iOS app Repeater Phone and a couple of minutes.
　　Android app DVSwitch and patience.

Elmers will supply:
　　WiFI extension name and password to give LAN Ethernet access.
　　There may be challenges with WiFI interconnection and head bumping. Be patient.
Soldering iron for tinning and to make jumper on RL-20 board.
　　Wire-cutter.
　　Stripper for small wire.
　　Back-up computer with card reader.

Elmers have your back.
Elmers have built many units.

I am a research scientist, she is Mom. Rosemary has built 12 systems doing development to show feasibility.
We did all sorts of testing and tweaking to develop instructions that are easier for Makers.
She can make the recommended adapter cables in about an hour. Your mileage will vary.
There will still be surprises and issues. That is the way of Makers.

Bring your own snacks and drinks (risky around construction and computers).
Depending on participation, the morning may run a little longer. And that is a good thing.
RELAX and have FUN.