Hands-on Raspberry Pi and VA Smalltalk Starting Workshop
Neuquen, Argentina – November 2019
Smalltalks 2019

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What is a Raspberry Pi?

› A computer
› Programmable PINs
› Can run Linux!
› Great for IoT
Raspberry Pi Zero

- 40 Pin Unpopulated GPIO Header
- Dimensions: 65mm x 30mm x 5mm
- MicroSD Card
- RUN Pins for Reset Switch
- RCA Composite Video Output
- Micro USB 5V Power Input
- Mini-HDMI 1080P Video & Audio Output
- Broadcom BCM2835 SoC (runs at up to 1GHz)
- Dual Core VideoCore IV GPU
- 512MB Onboard RAM

Element 14

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Raspberry Pi 3 Model B

Dimensions: 85.6mm x 56mm x 21mm

- Broadcom BCM2837 64-bit Quad Core CPU at 1.2GHz, 1GB RAM
- 40 Pin Extended GPIO
- On Board Bluetooth 4.1 Wi-Fi
- MicroSD Card Slot
- DSI Display Port
- Micro USB Power Input. Upgraded switched power source that can handle up to 2.5 Amps

Element14

- 4 x USB 2 Ports
- 10/100 LAN Port
- 3.5mm 4-pole Composite Video and Audio Output Jack
- CSI Camera Port
- Full Size HDMI Video Output
Reasons of success?

› Small
› Cheap
› Power enough to run Linux! (and many distros available)
› PINS
› IoT popularity
Showtime!
You can keep your Raspberry Pi Kits!

Thanks Instantiations!
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Questions?

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