Raspberry Pi/ SenseHAT Introduction
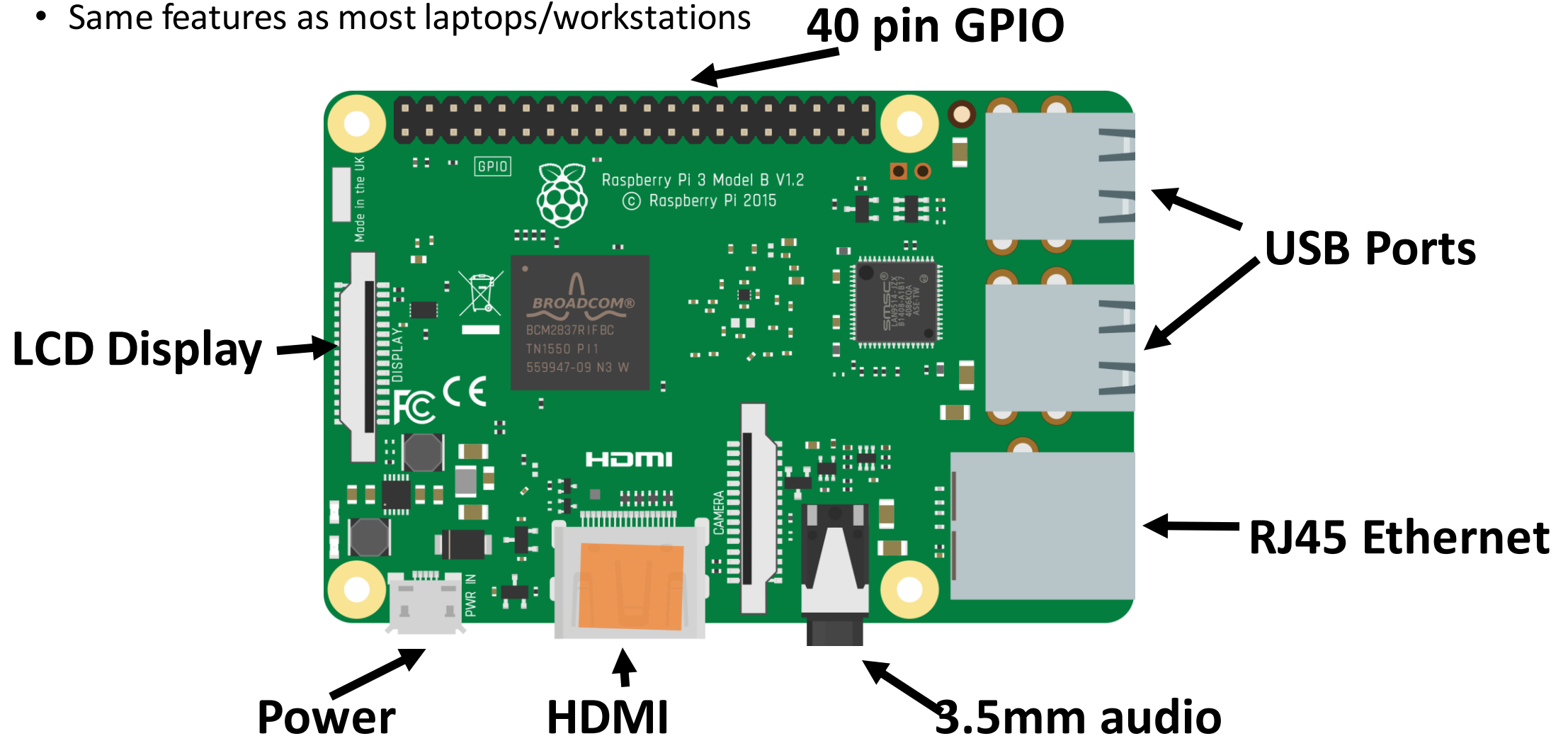
Frank Walsh

Agenda

- What is a Raspberry Pi

What is a Raspberry Pi?
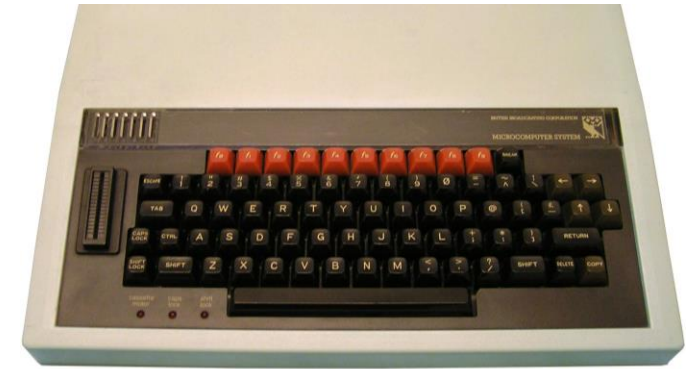
- Low cost, single board computer

- Same features as most laptops/workstations

40 pin GPIO

USB Ports

LCD Display

RJ45 Ethernet

Power

HDMI

3.5mm audio

History

- Launched in 2012
- Inspired by Acorn's BBC Micro from 1981
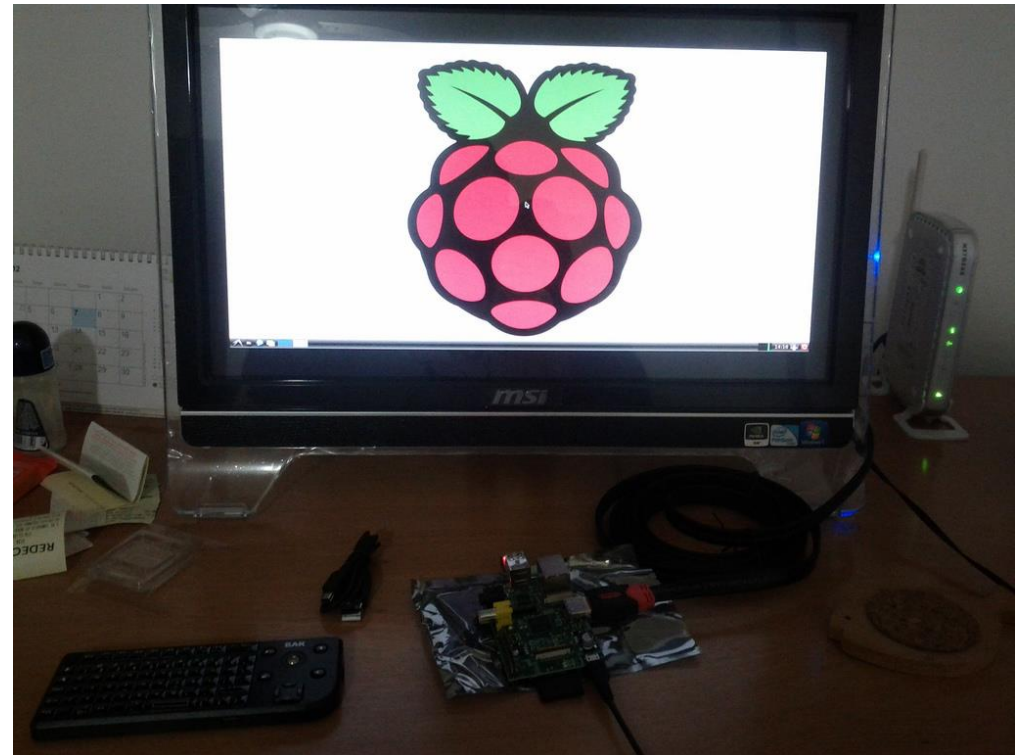- Original concept to inspire/educate kids

1981

2016

Getting Started -Conventional

- Raspberry Pi 3 B or higher

- Keyboard and mouse

- HDMI display monitor

- SD Card (8 GB+ recommended)

- SD Card Reader (usually a laptop)

Getting Started –Headless

- Raspberry Pi 3 B or higher
- ~~Keyboard and mouse~~
- ~~HDMI display monitor~~
- SD Card (8 GB+ recommended)
- SD Card Reader (usually a laptop)
- Accessible WiFi network