Team STM Proposal Presentation

Mark Cacal
Josh Claudio
Andrew Obatabae

Table of Contents

Hello!

I am Mark Cacal

Senior | EP

FF:

Ni Hao!

I am Drew Obataki

Senior | Computer Engineering

FF: My birthday is on 8/6 and I am 8'6"

Kumusta!

I am Josh Claudio

Lab Manager | Senior | EP
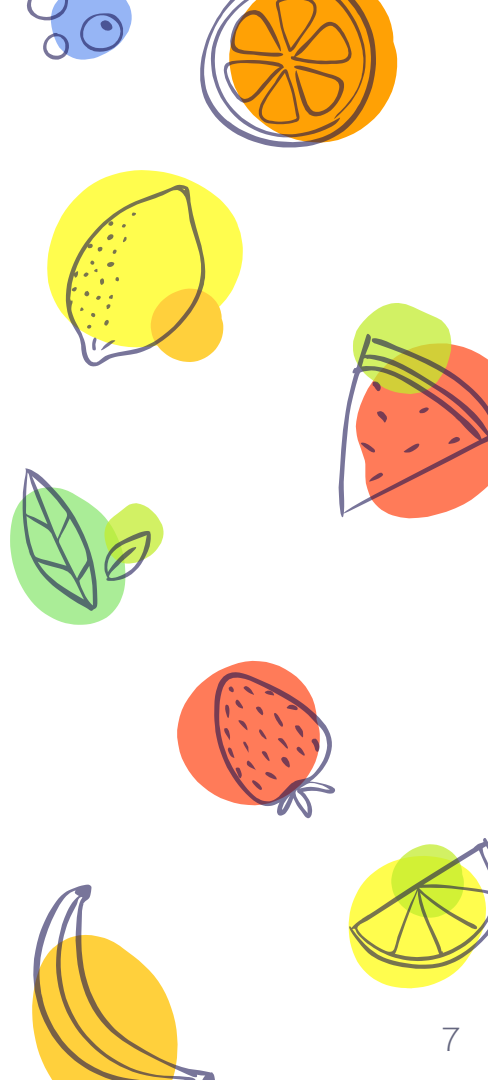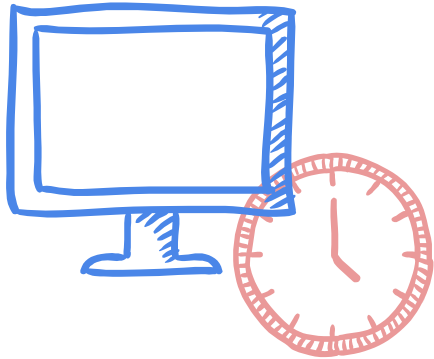
FF:

Mission Statement

Design a small and affordable sensor module that can accurately measure climate data just as accurately as commercial Weatherhawk.

Motivation

Research and build a product on the STM32 platform that supports faster computation and concurrent computing
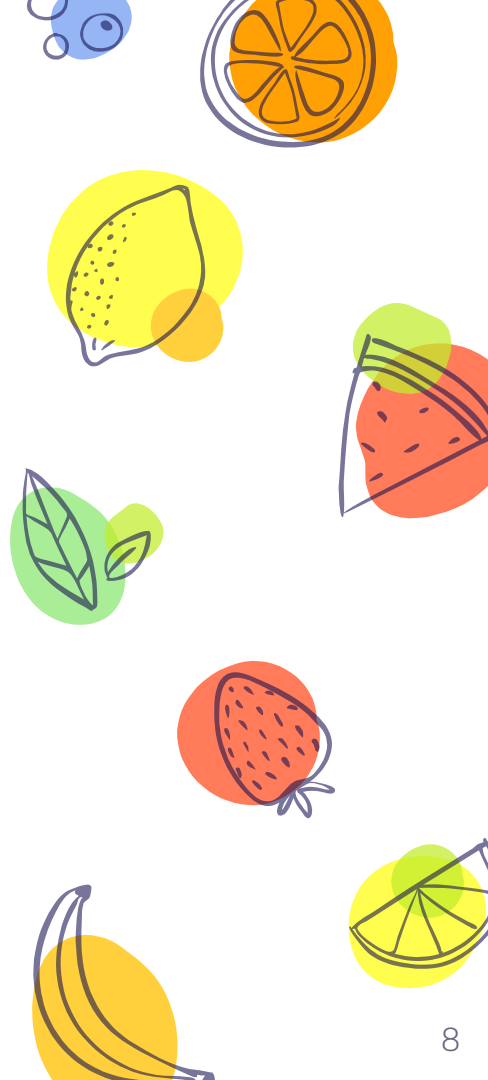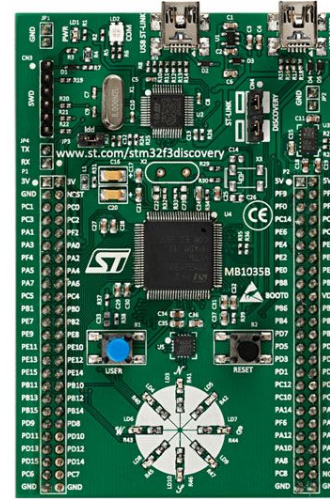
Specifics

Our Processor: STM32F3

- × Based on ARM Cortex line of processors
- × Runs at much higher clock speed
- × First weatherbox to not use Arduino Libraries
- × Use C and self built libraries
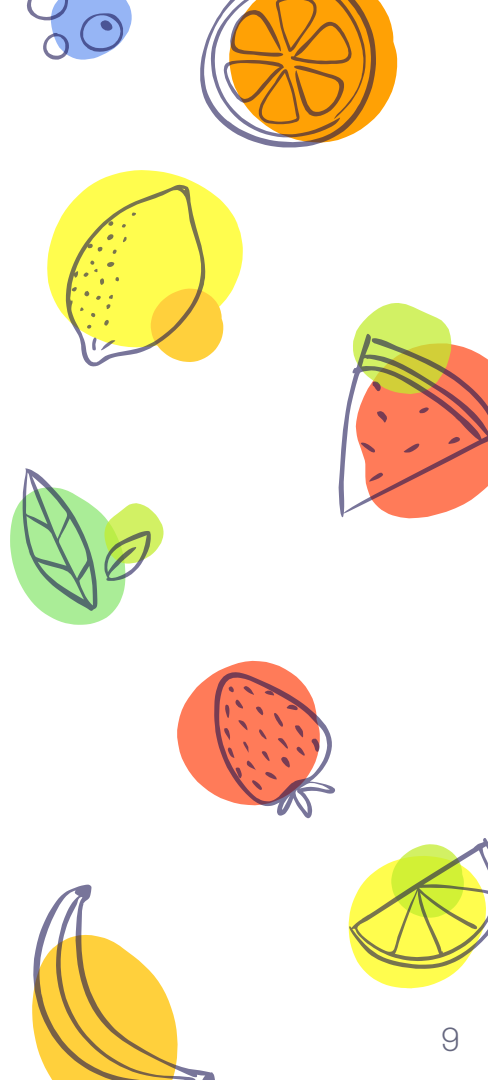
Project Goals

Document Process

Create Device Driver Libraries

Bare STM board

Eagle Schematic and Board Design

Gantt Chart

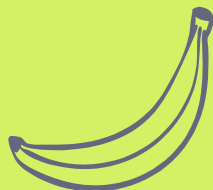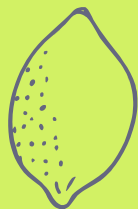| Mark Cacal, Josh Claudio, Andrew Obatake	Team Andrew																	
Week	1	2	3		4	5	6		7	8	9		11	12	13		14
Tutorials																	
C																	
Eclipse																	
Eagle																	
Presentations																	
Proposal Presentation			09/08														
Preliminary Design Review								9/29/1									
Critical Review												11/10					
Final Presentation															12/01		
Build																	
Eagle Schematic Design																	
Design PCB Layout																	
Testing																	
Debug																	
Final Report																	

Thanks!

Any questions?

You can find me at:

_mark_cackle

Extra graphics

SlidesCarnival icons are editable shapes.

This means that you can:
- Resize them without losing quality.
- Change fill color and opacity.

Isn't that nice? :)

Examples: