

Student Bootcamp

A Friendly Guide for Your Fab Academy Journey

FAB ACADEMY



Adrián Torres

TIPS

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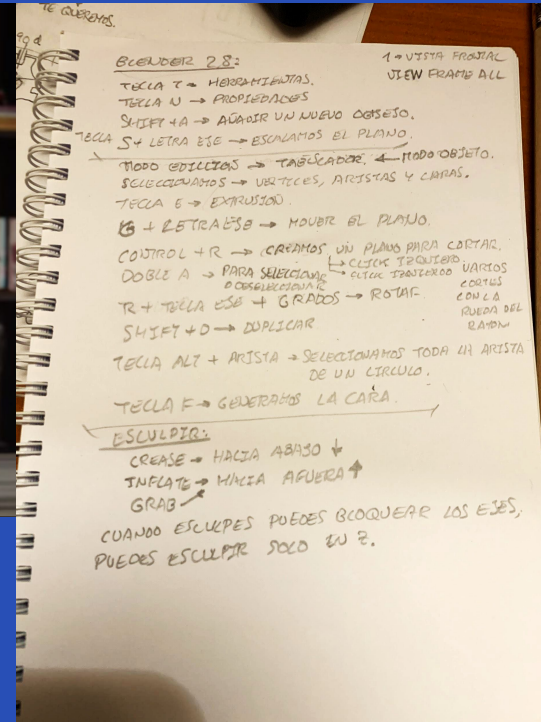


Keep and Write Notes In A Small **Notebook**

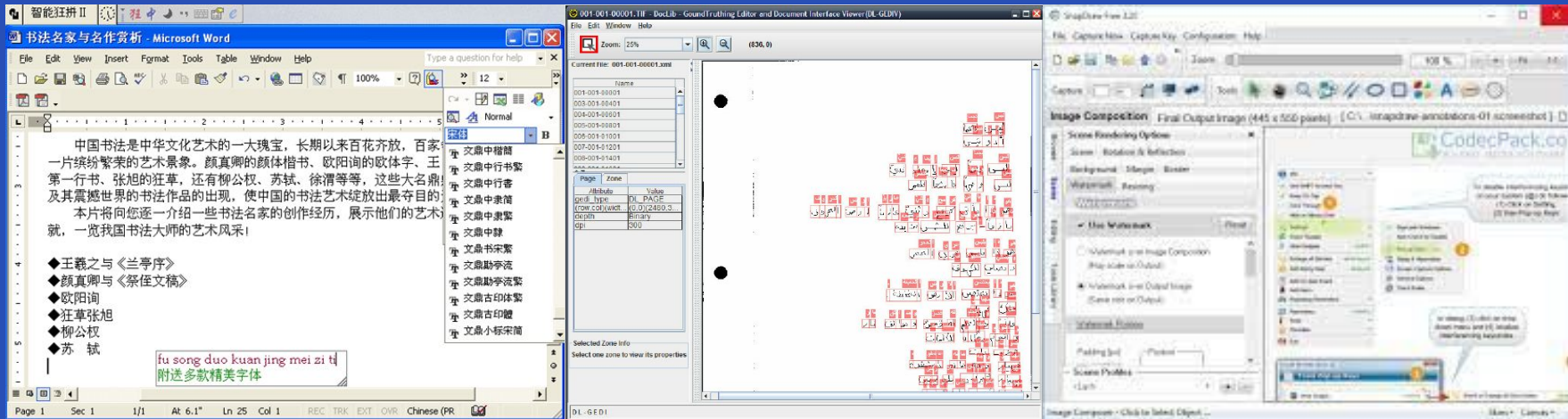


Youtube: Surviving Fab Academy

- **Fast. Convenient. Better for memory recall**
- Supplement to digital documentation
- Document as you go
- Quick sketches



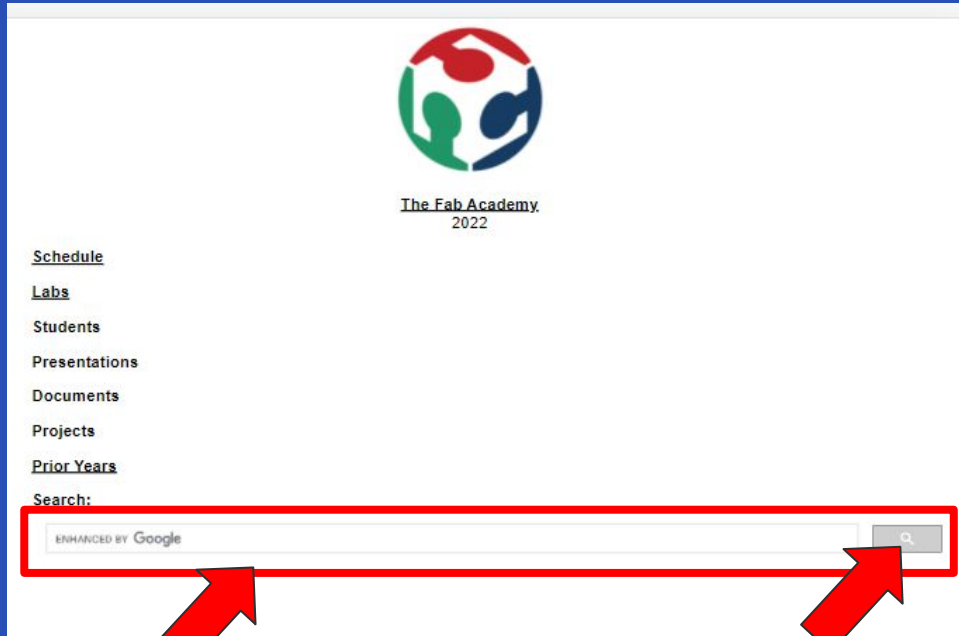
English for Documentation...Please



General Recommendation: Switch Software to English for documentation. If not possible, **clarify images with detailed English explanations** describing the procedural steps you made.

English is the **communication standard** for Fab Academy...and **required for Global Evaluation.**

Search Fab Academy **History** for Answers



www.fabacademy.org/2023

Most questions that you have...

have been asked and solved...by past Fab Academy students.

Use the **Search Bar**

The Assessment Book



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¿Whats is this document for?

The Assessment Book

- The assignments (what you'll do)
- What we want you to learn each week (why you're doing it)
- The base-line evidence/proof/things you need to show about what you've learnt each week (what you did and how you did it).

<https://fabacademy.org/2022/nueval/>

NUEVAL

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Communicate...to Make Progress

It's a tool for all the people involved in the Fab Academy learning environment: Student, Local instructor and Global Evaluator.
The only way to keep tracking of the learning path.

- Give feedback to both your **local** evaluator as well as your **global** evaluator.
- Work with evaluators toward graduation success!

Fab Academy 2020

- Home
- Final Projects
- Local Evaluation
- Global Evaluation

Local Assessment & Evaluation

Local evaluation	2020-01-01	Instructor (nunuromi)
Principles and Practices	✓	✓
Project Management	✓	✓
Computer-Aided Design	✓	✓
Computer-controlled cutting	✓	✓
Electronics production	✓	✓
3D scanning and printing	✓	✓
Electronics design	✓	✓
Computer-controlled machining	✓	✓
Embedded Programming	✓	✓
Input Devices	✓	✓
Applications and Implications	✓	✓

Electronics production

OVERALL PROGRESS

✓

✓

Leave Feedback

Completed

UNIT DESCRIPTION

Task: Electronics Production

Group assignment:

- Characterize the **design rules** for your PCB pro...

Week 04, Electronics Production is finished.

adriantrains

2020-03-30 07:07

Dear Nuria. Week 04, Electronics Production is finished, you can start correcting whenever you want

Electronics Production

nunuromi

2020-04-22 06:51

Hi Adrian,

Although you are the only student in your fablab, maybe its worth to create a separate page for the group assignments. It is not strictly mandatory because you documented the group assignment in your personal webpage, but recomendable

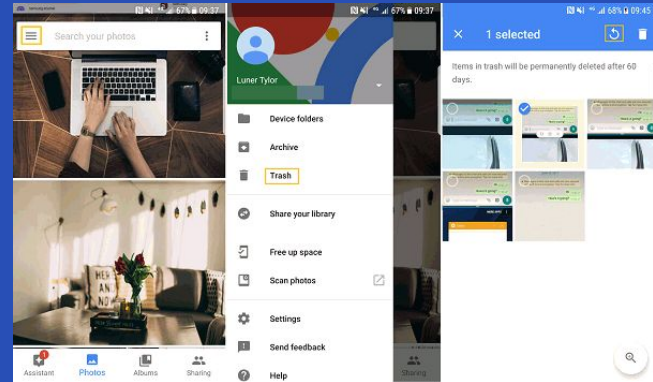
How to make (almost) good photos and video

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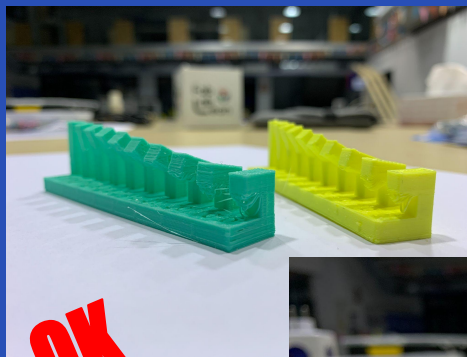


Prepare you **camera**, **smartphone** and your **computer**

- **Smaller Image Size**
 - Open the **Camera** app on your device
 - Tap on the **Settings** icon which should look like gear as always
 - Select **Picture Quality**
 - Choose a reasonable image **File Size** > 1MB
- Compress **Photo** size -> **Image Magick**
- Compress **Video** size -> **FFMPEG**
- **Canva**
 - Templates.
 - Compress image
 - Video editing



One Good Photo is Worth 1000 Words



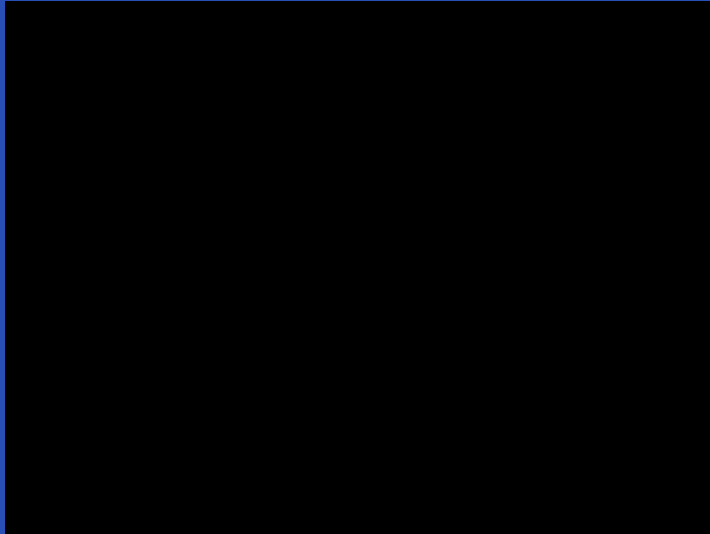
OK



HERO SHOT!

- Good light. Good focus. Horizontal.
- YOU making things

Save Videos In the Repository



- Horizontal
- Short
- No watermark



Week 10: Input Devices

Search

Assignments

- Week 1: Project Management & Web Development
- Week 2: Computer-Aided Design
- Week 3: Computer Controlled Cutting
- Week 4: Electronics Production
- Week 5: 3D Printing & Scanning
- Week 6: Electronic Design
- Week 7: Computer-Controlled Machining
- Week 8: Embedded Programming
- Week 9: Mechanical Design & Machine Design
- Week 10: Input Devices
- Week 11: Molding and Casting
- Week 12: Output Devices
- Week 13: Networking and Communications
- Week 14: Interface and Application Programming
- Week 15: Wildcard Week
- Week 16: Applications and Implications
- Week 17: Invention, Intellectual Property, and Income

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The sketch worked, but not quite exactly as intended. When the magnet waved over the sensor, the light changed state, and stayed at that state until the magnet was flipped back over and waved over the sensor again. For the sake of the pill case, I want the state to flip only when

Time Management

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Time Management: The Weekly Marathon

Wednesday

- *Neil Class
- Materials

Friday

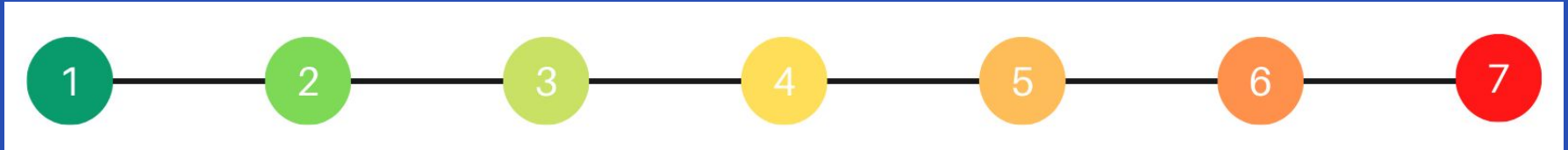
- *Group Assignment Work
- *Individual Assignment Work

Sunday

- Final Assignment Work
- Documentation

Tuesday

- Regional Review
- Finalize Weekly Documentation



Thursday

- *Local Review with your instructor
- Research
- *Design work

Saturday

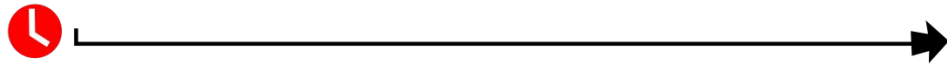
- *Individual Assignment work
- Documentation
- > Global Open Time

Monday

- *Recitation
- Local Review

Parse Your Available Work Time

Demand-side Time Management



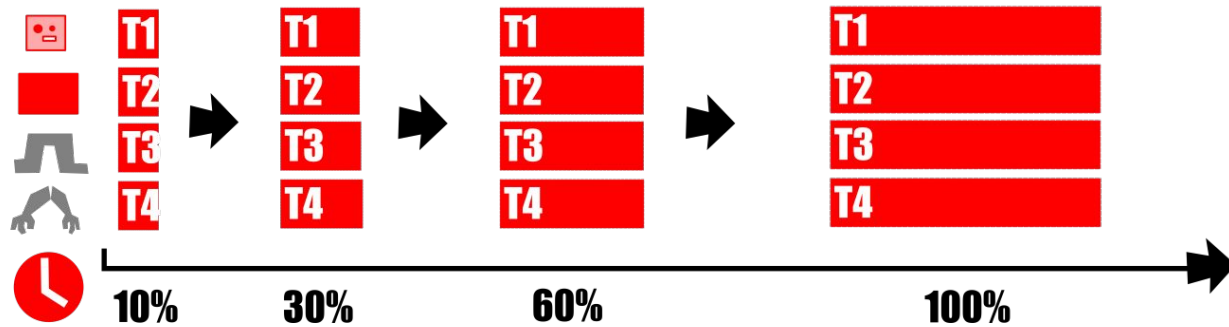
Supply-side Time Management



- Use **Supply-Side** not Demand-Side
- Assess available **time...not tasks**
- Fit tasks into available time

Parallel not Series

Parallel Development



- Progress **all tasks** at a **parallel pace**
- Don't finish one before starting the next task

Global Open Time

Friendly Guides for Your Fab Academy Journey



Pablo Nuñez

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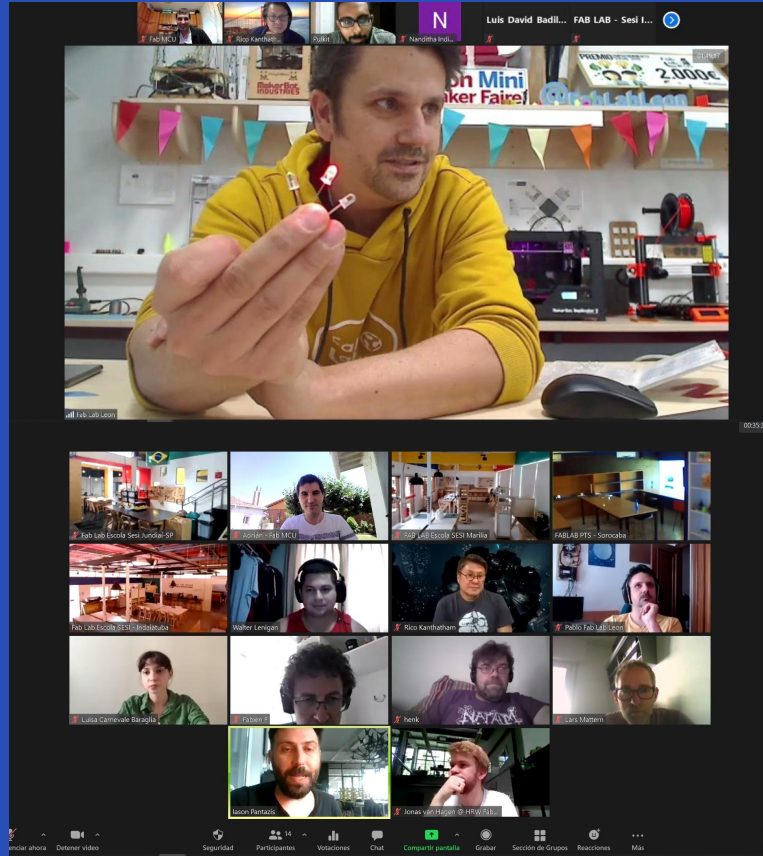
You Are Not Alone.



Where **everybody**
knows your
name...

and your face :)

What is **Global Open Time**?



10:00AM - 12:00AM EDT
Saturday
Zoom MCU Room

- Get together with **friends**...in a **fun** place
- **Discuss questions** and **concerns**...find answers...most of the time :)
- Seek advice to **focus and redirect** assignments or Final Project

Enjoy every moment of **your**
Fab Academy journey...
We are here for you.



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