S.T.E.M Projects

Physical/Hardware Based Projects

Solar Car
Build a car that runs on the sun
-1 kit-

Sphero
Program a spherical robot to roll around
-3 Spheros-

LEGO EV3
Program a robot you create using LEGOs
-1 kit-

Digital Sandbox
Program a microcontroller to operate various electronics
-2 kits & all computers-

Sun Oven
Learn how to bake using the sun
-1 kit-

Makey Makey
Use everyday objects to control your computer
-1 kit-

Fischertechnik
Build Objects
-1 kits-

IQ Key
Build Cars
-1 kits-

Computer/Software Based Projects

Stencyl
Computer game designs program
-all computers-

SoundPlant 43
Sound/Music Design program
-all computers-

TinkerCad
3D Printing and Design
-all computers and Chromebooks-

iMovie
Movie Editing
-all computers-

Garageband
Music Editing and Creation
-all computers-

Comic Life
Make your own Comic book
-all computers-

Animation-ish
Make your own animations
-all computers-

ZomePad
Structural Modeler
-all computers-

Snap Circuits
Build Electronic Circuits
-1 Kit-

Zoom Tool
Build 3 Dimensional Objects
-2 Kits-

Vernier
Measure data
-2 Kits-

Pneumatics
Air Power
-1 Kit-

Knex
Build a 3d object
-2 Kits-

Lasers
Create a security system using lasers
-1 Kit-

Zoob BuilderZ
Create 3d objects
-1 Kit-

Google Earth
Explore the Earth
-all computers-

Bridge Designer
Design bridges using this software
-all computers-

Final Cut Pro X
Video Editor
-Green Computer-

Motion
Special Effects
-2 computers-

Scratch
Drag and Drop type Programming
-all computers-

Microsoft Touchdevelop
Make apps using Drag and Drop type Programming
-all computers-

Garageband
Music Editor
-all computers-

iMovie
Video Editor
-all computers-

Chess
Learn how to play chess
-all computers-

Codecademy
Learn how to code
Codecademy.com
-all computers-

SketchUp
3d Modeling
-all computers-

Gamestar Mechanic

Design 2d Games
-all computers-

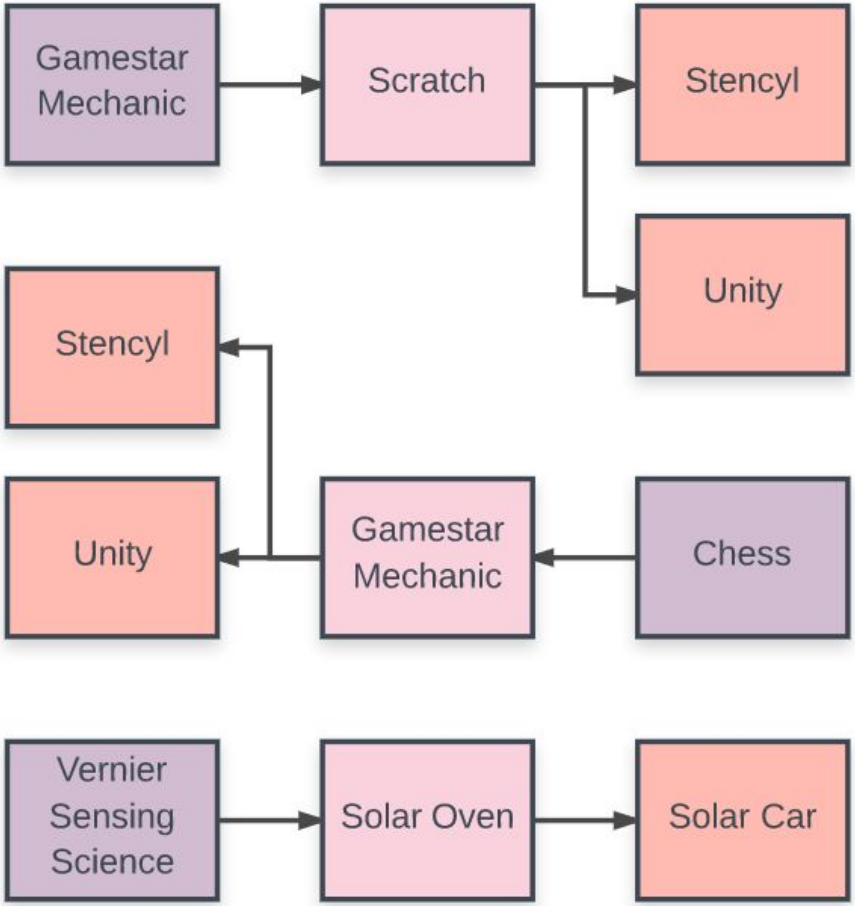
Photoshop
Edit photos
-5 computers-

After Effects
Create Special Effects to Videos
-1 computer-

Recording Studio
Record Professional Video
-1 Studio-

Unity
Game Design
-1 computer-

Stem Project Map

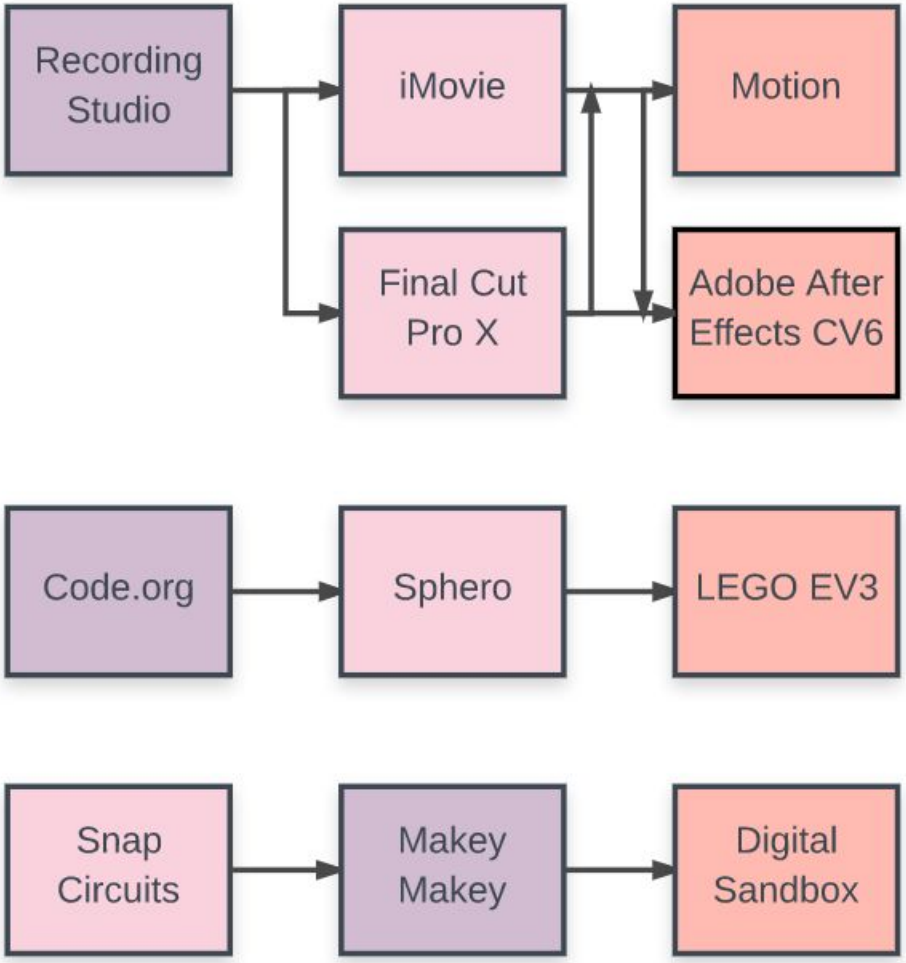


Project Map

1st Rotation

2nd Rotation

3rd Rotation



Project Map

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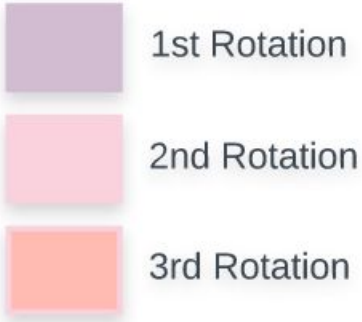
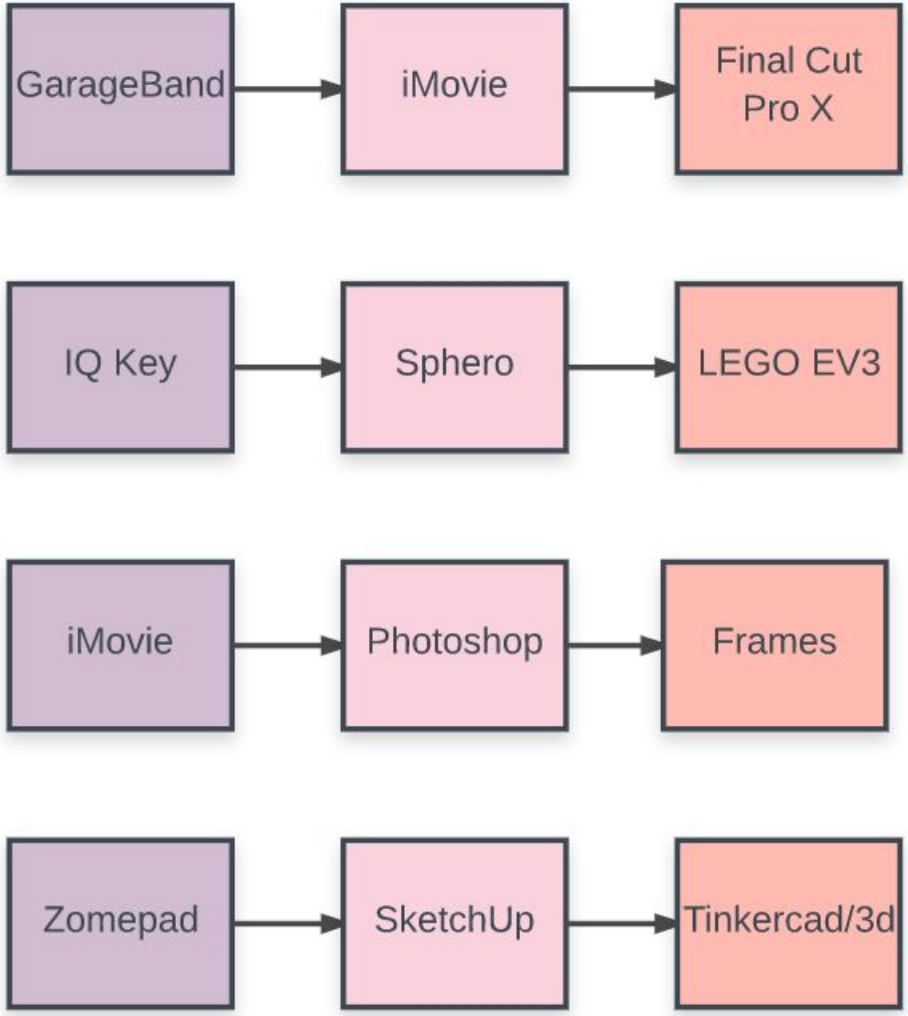
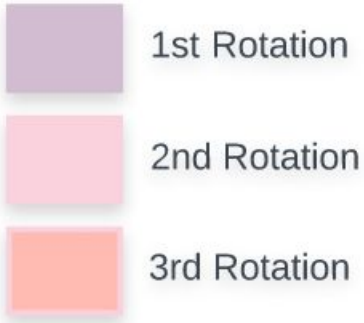
Project Map


1st Rotation
2nd Rotation
3rd Rotation


GarageBand
iMovie
Final Cut Pro X
IQ Key
Sphero
LEGO EV3
iMovie
Photoshop
Frames
Zomepad
SketchUp
Tinkercad/3d

Project Map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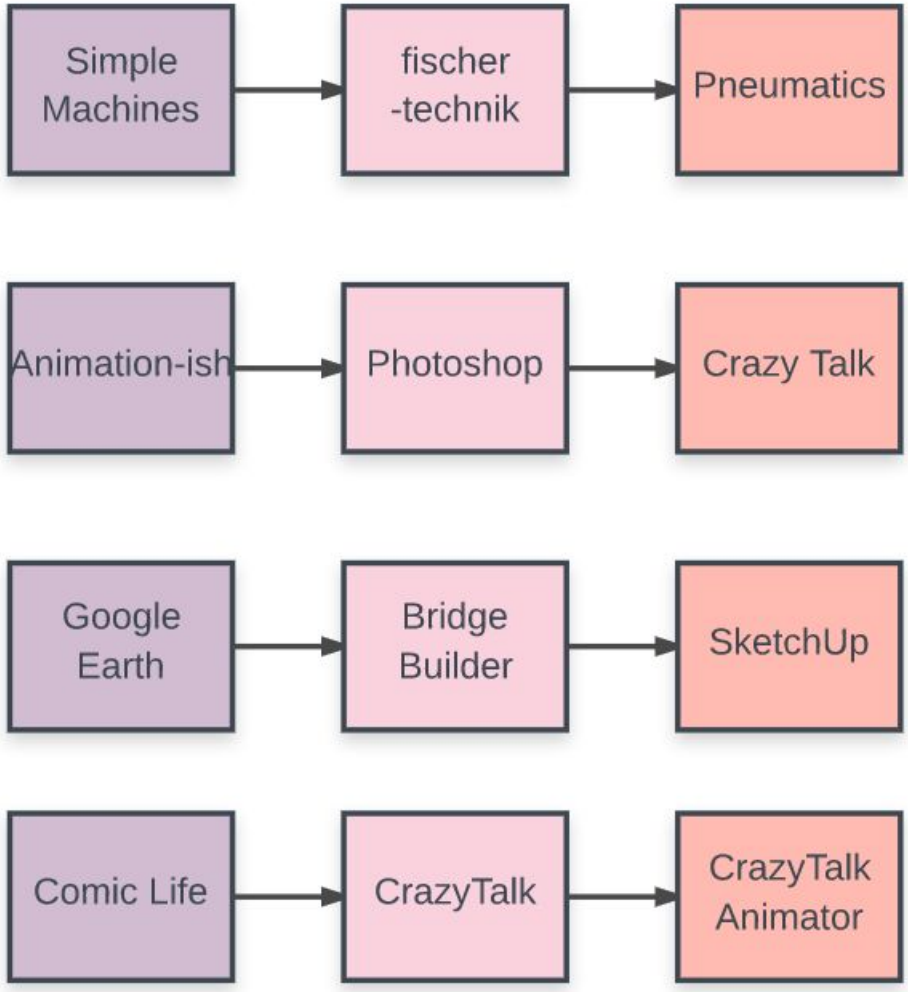
Simple Machines
fischer -technik
Pneumatics
Animation-ish
Photoshop
Crazy Talk
Google Earth
Bridge Builder
SketchUp
Comic Life
CrazyTalk
CrazyTalk Animator