Fab Kids!

(K-12 Curriculum Writing)
By Corey Rice
OUTLINE

Background

Needs

Possible Solutions
  (1 & 2)

Communication of Solution(s)
Building for Learning

experience and research are clear
Teachers want their students to do well

They work hard to get this done.
Fab Labs want to help

We know building is quality learning
Institutions want to make sure it all goes well. They are accountable to the government/community.
RELATIONSHIPS
Teachers bring life to Institutions
Institutions review Teacher performance
Fab Labs add value to Institutions & Communities

Institutions & Governments support Fab Labs
...very few secondary Teachers in Fab Lab network

...Fab Labs struggle to work with Teachers
RELATIONSHIPS

Teachers

Institutions & Government

Diagram showing relationships between teachers and institutions/government.
These networked relationships need treated with care & support
Scopes-DF is working to collect that support right now.
Lessons ≠ Curriculum
Curriculum

A document for guiding instruction that Teachers, Institutions, and Governments use as a goal for all school activities.
A free curriculum can be the care that connects people
Needs:

3 things for a useful curriculum
Developmentally appropriate leveling
Useful for teacher, student & admin
Buy-in from all stakeholders

OFFICIAL DOCUMENT

100% approved
Possible curricula
Option #1

Use a curriculum that already exists
A wide range of curricula exist.
These can be implemented now, but...
Option #2

A new curriculum, developed from Fab Lab practice
I am building an 11-12 Fab Lab Curriculum one piece at a time, while I am teaching it...
My students will learn what I did and many prerequisite skills.
Others are doing the same with different ages
This is a natural way for curriculum to develop
Bring it together...

This collective work can inform a K-12 curriculum that could be used, Fab Lab endorsed, and maybe approved by local governments or institutions.
Communicating crowd-sourced curriculum development & lesson share
Many options to communicate

- Google Group (Fab Kids!)
- A big book of Fab Curriculum
- SCOPES-df (in dev.)
- Custom Social Curriculum Website
Welcome to Fab Kids!

We are happy to have a space where you can join in the conversation surrounding the establishment of a free and open Fab Academy style curriculum for all students. Feel free to use this space to share great ideas, ask questions or pursue collaboration opportunities.

Thank you for your participation

Corey Rice

- Software Recommendations (1)
  By me - 1 post - 0 views

- Hardware Resources (1)
  By me - 1 post - 0 views

- Curriculum you have/ are using (1)
  By me - 1 post - 0 views
A static document is better suited to get governmental/institution approval

A big book of Fab Lab Curriculum
SCOPES-DF WEB RESOURCES (IN DEVELOPMENT)

Fablabs.io is a temporary fix
I have asked, but haven’t seen
The SCOPES-DF website

Until SCOPES-DF is up and running
Ease of Understanding

Clear documentation

Anyone can use this!

Students can follow path

Teachers make lessons

Institutions set goals

Tracking progress
Civilization VI Technology Tree .... FROM A GAME

Inspiration for a neat way to visualize a curriculum:
The possible slowdown...

There will be a considerable amount of work needed to get a tested curriculum together.

It will take even more work to communicate that curriculum to all interested stakeholders.

Editing the curriculum and web development could take a long time while I teach...
Social curriculum website Features

Easy to Understand
- Relationships between concepts
- Developmental learning goals

Inherently Social
- Students can share progress
- Teachers share lessons

Ready to partner
- Online Gradebook integration
- Quick links to supplies sales
- Governmental approval
It is possible to build a curriculum as a program for Neil’s MODS and it should just load the curriculum as a flowchart in any JS enabled browser.
How you can help:

- lesson
- share
- SCOPES-DF
- curriculum
- discussion
- web
- dev
- Github project
- share
- tools
- Google group
Contact

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