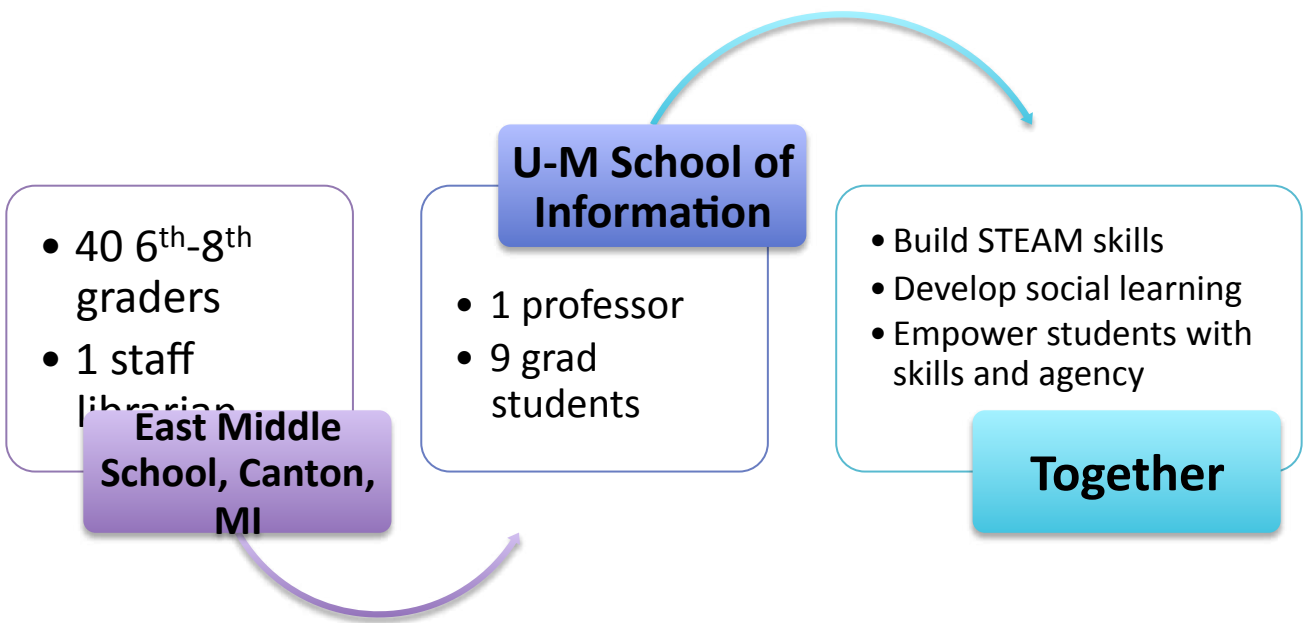
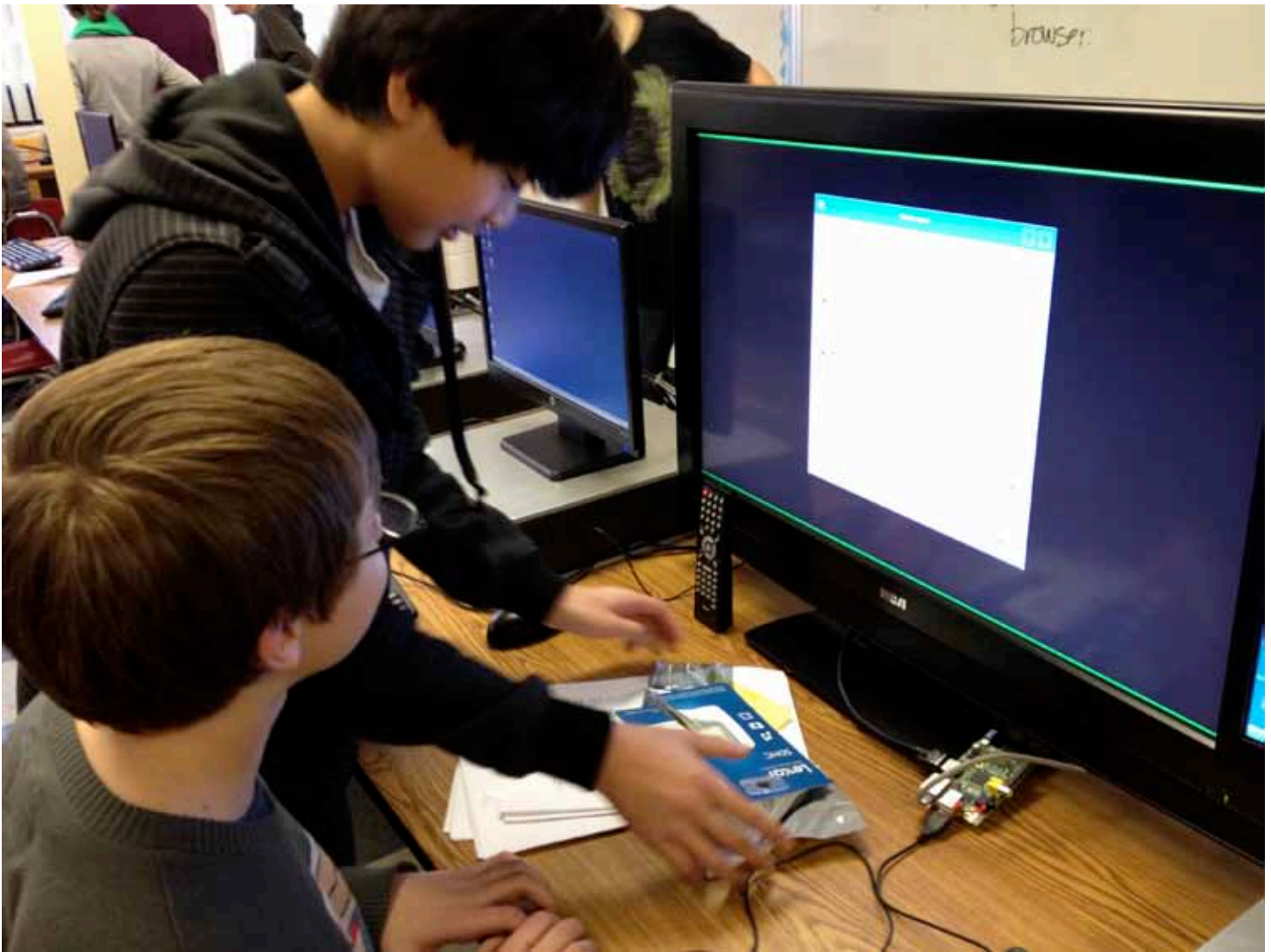


Michigan Makers: A Middle School Makerspace



**Kristin Fontichiaro
University of Michigan
School of Information
SXSW :: U-M Booth
Tuesday, March 12, 2013**



Programming/Coding

HTML

Arduino

Scratch

Raspberry
Pi OS

Python
coming
soon

Drawing and Prototyping

Mini
Comics

ComicCon

Sketching
circuits

Game
Design

Visit to U-
M 3D Lab

Paper and Fabric Craft

Origami

Gift
Wrapping
(!)

Make
Your Own
Bows (!)

Sewing
Safety
Badge

Soft-
sculpted
monsters

Social Growth

Maker-
space
Culture

Collab.
Work

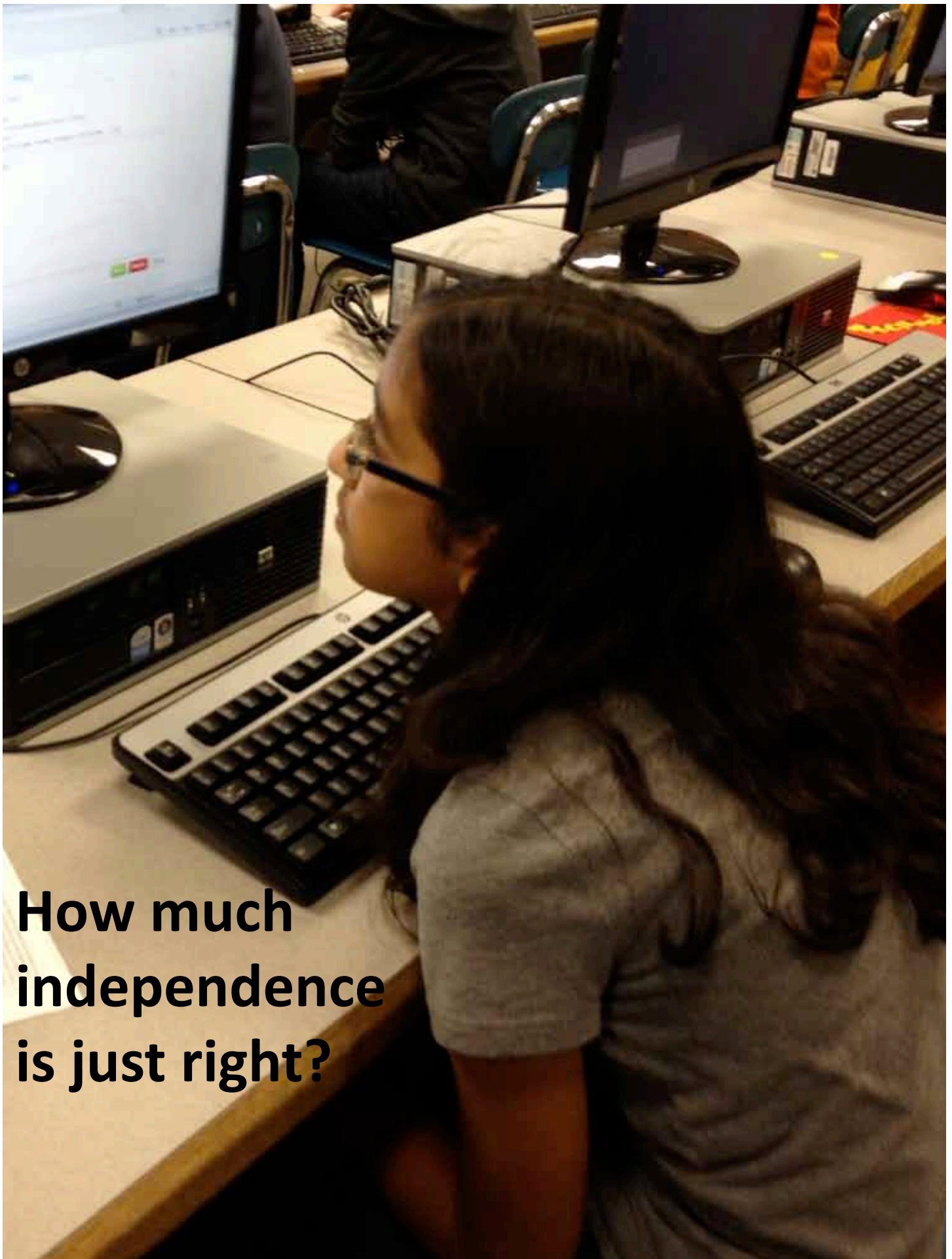
Gradual
Release of
Respon-
sibility

Peer
Coaching

Peer
Leadership



**How do we
balance adolescents'
aspirational visions
with their nascent
skill levels?**



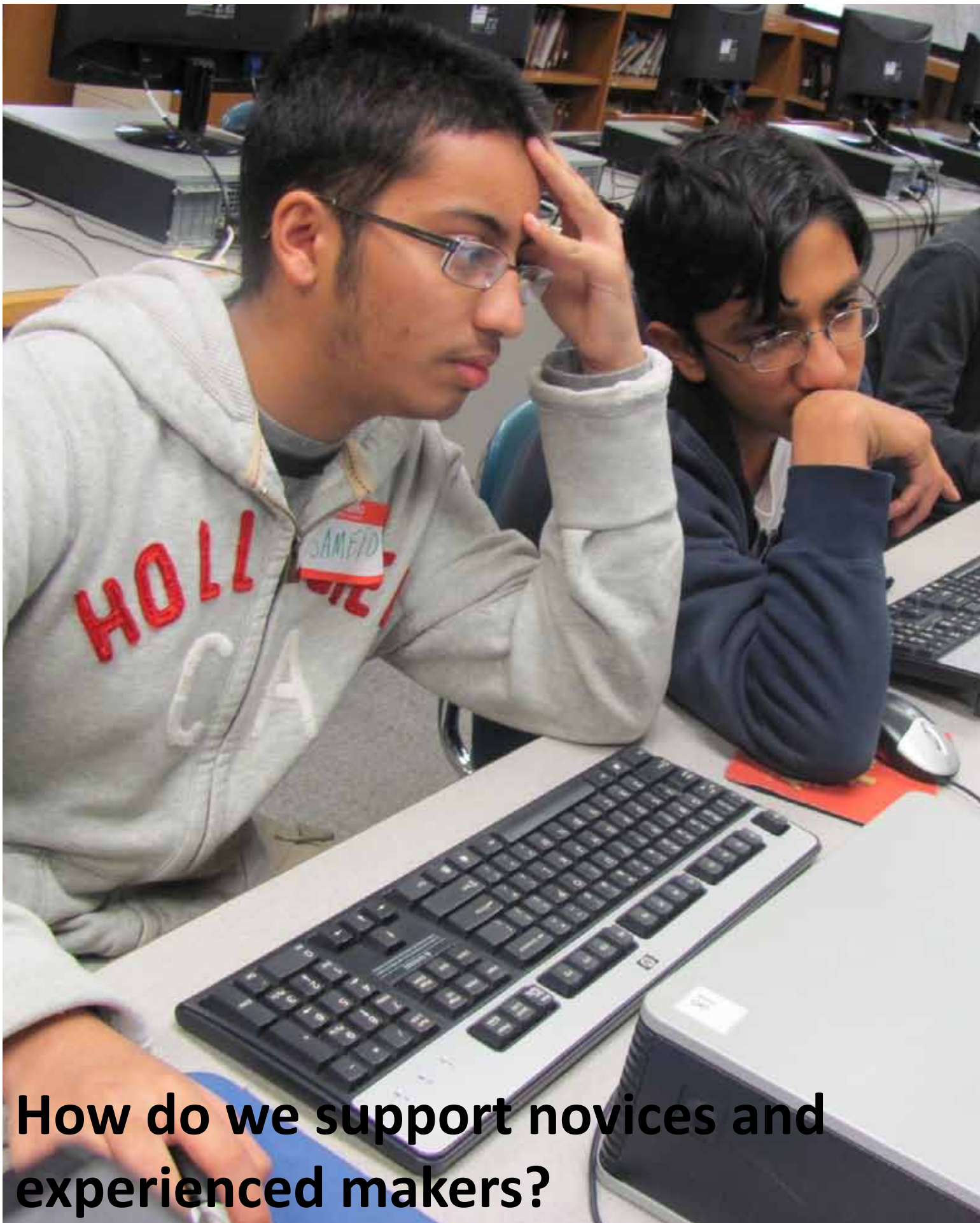
**How much
independence
is just right?**



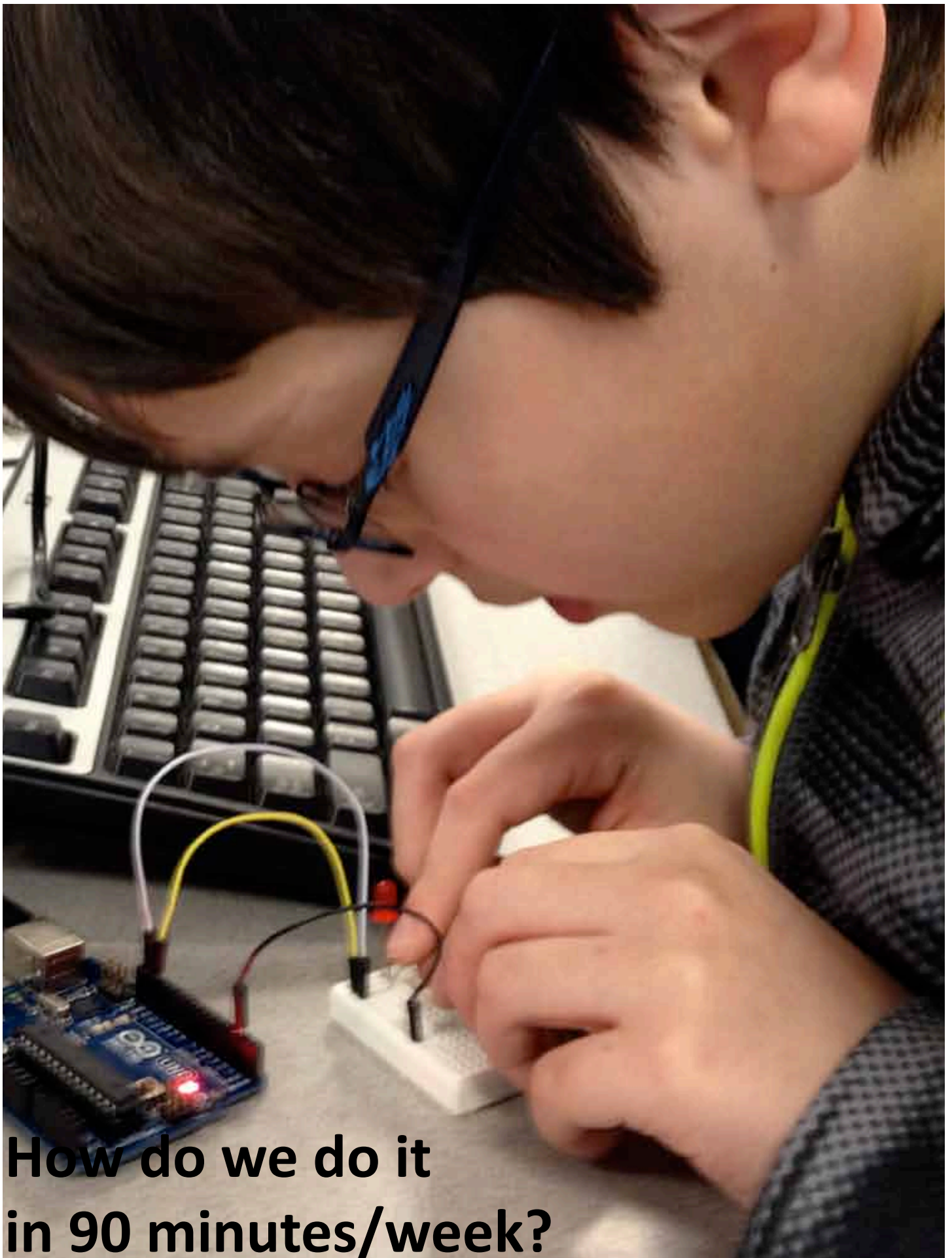
**How do we
best support
and leverage
grad student
mentors?**



How much do kids need to know before they can make empowering choices about what to pursue?



How do we support novices and experienced makers?



**How do we do it
in 90 minutes/week?**

Questions?



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