

Literacy, Library-Media, and Makerspaces

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CLCFSU 2019

Overview

Literacy

Library-Media

Makerspaces / Sandbox Time!

Resources

Contact Info

Literacy

Why Our Future Depends on Libraries, Reading, and Daydreaming



[Click for the entire speech!](#)

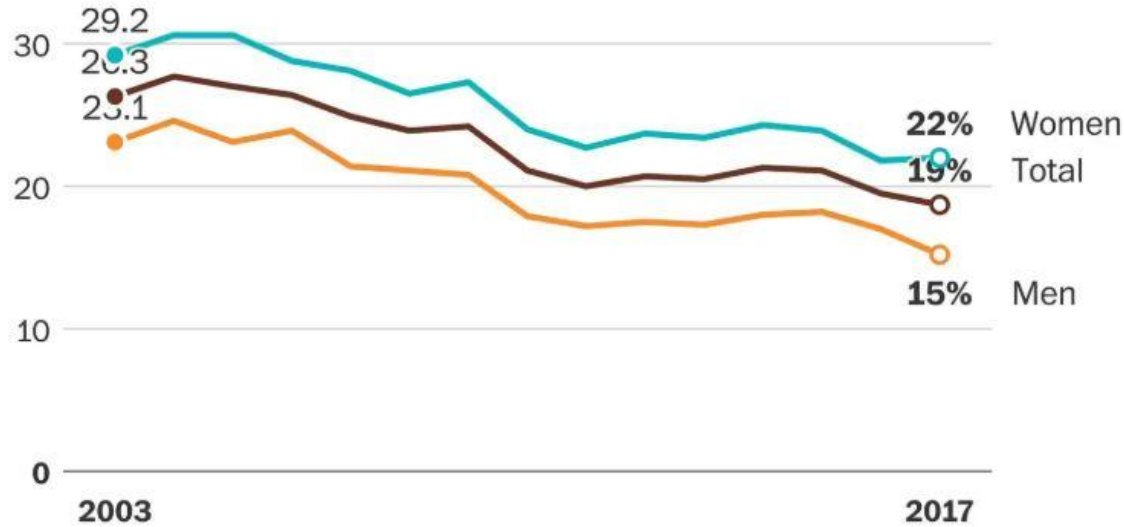
“I was once in New York, and I listened to a talk about the building of private prisons – a huge growth industry in America. The prison industry needs to plan its future growth – how many cells are they going to need? **How many prisoners are there going to be, 15 years from now? And they found they could predict it very easily, using a pretty simple algorithm, based on asking what percentage of 10 and 11-year-olds couldn’t read.** And certainly couldn’t read for pleasure. It’s not one to one: you can’t say that a literate society has no criminality. But there are very real correlations.”

- Neil Gaiman

Adult Literary Reading

American reading declines

Percent reading for personal interest on a typical day

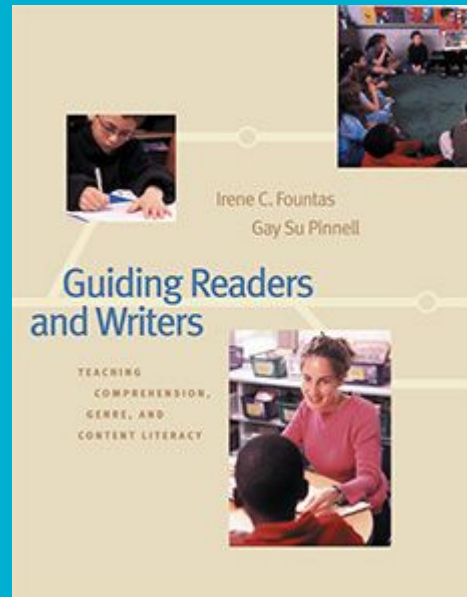
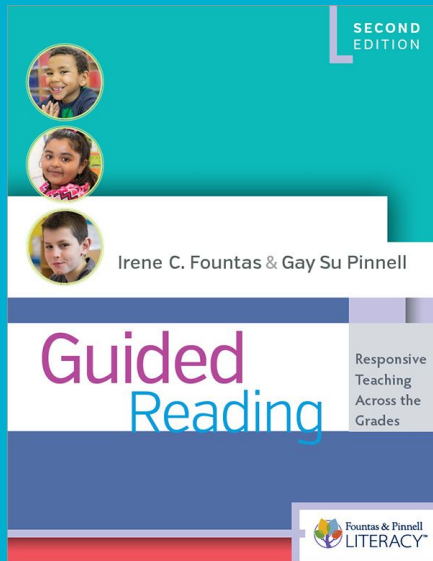


Click [HERE](#) for the entire article from the Washington Post!

Guided Reading Labels

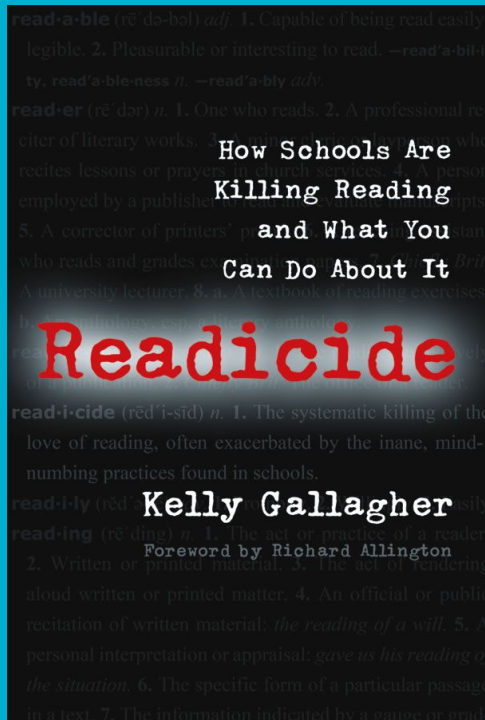
“It is our belief that levels have no place in classroom libraries, in school libraries, in public libraries, or on report cards. That was certainly not our intention that levels be used in these ways.”

- Irene C. Fountas & Gay Su Pinnell



[Click Here for the Article from School Library Journal](#)

Are We Committing “Readicide”?



“A look at the practice of most schools suggests that when a school 'values' reading what it really means is that the school intensely focuses on raising state-mandated reading test scores- the kind of reading our students will rarely, if ever, do in adulthood.”

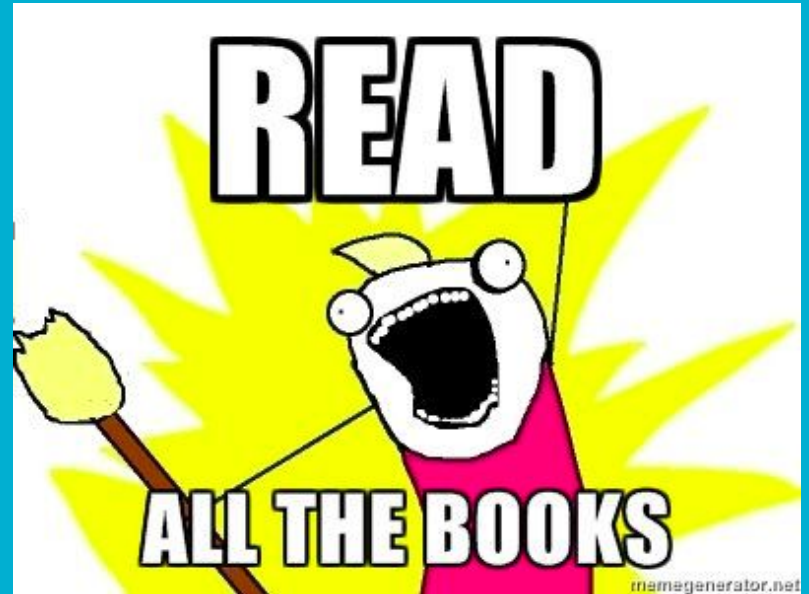
-- Kelly Gallagher

So... what can we do?

Be A Reader Yourself!

able to inspire students to engage in an activity they themselves did not enjoy. This data is all the more alarming when you consider that “one of the key factors in motivating students to read is a teacher who values reading and is enthusiastic about sharing a love of reading with students” (Gambrell, 1996). What is going on here? Why aren’t adults, even teachers, reading, and what is this doing to our students?

[The Book Whisperer](#)



Read Aloud to ALL Children!

“We have an obligation to read aloud to our children. To read them things they enjoy. To read to them stories we are already tired of. To do the voices, to make it interesting, and not to stop reading to them just because they learn to read themselves.”

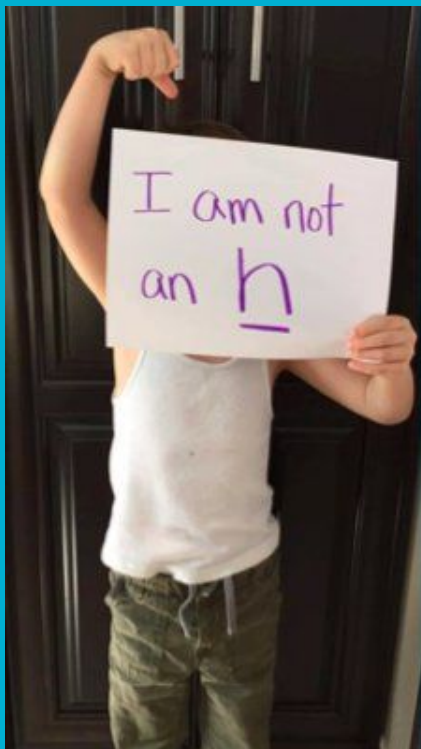
Neil Gaiman

[Science Proves Reading to Kids Really Does Change Their Brains](#)

Look Beyond the Letter...

[Thinking Outside the Bin: Why Labeling Books By Reading Level Disempowers Young Readers](#)

[AASL Position Statement on Labeling Books With Reading Levels](#)



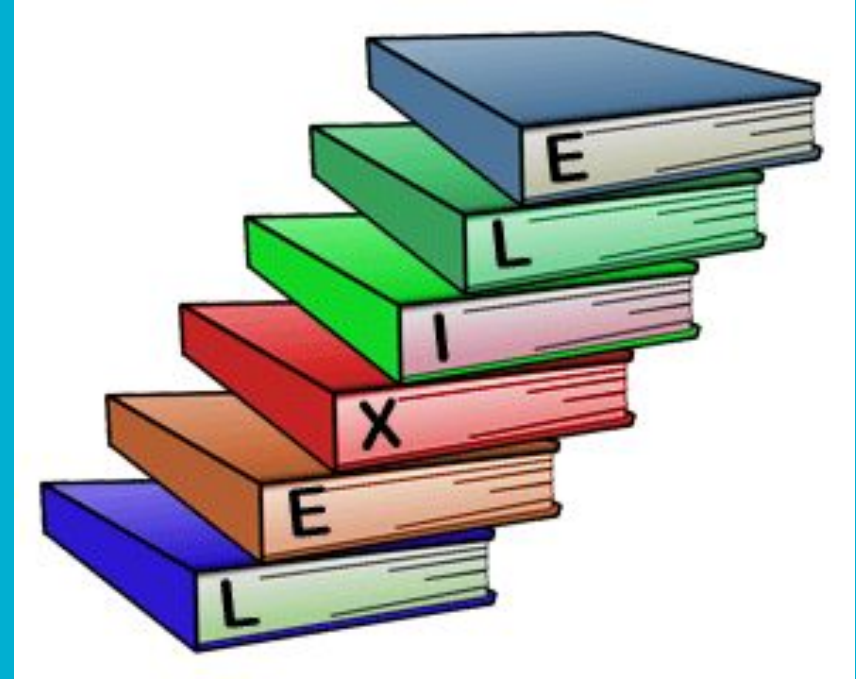
Helping a kid
choose a book
begins with
“What do you
like” not “What is
your level?”

— Kyrene Beers

Or The Number!

“A Lexile measure does not address the content or quality of the book. A Lexile measure is based on two strong predictors of how difficult a text is to comprehend: word frequency and sentence length.

Many other factors affect the relationship between a reader and a book, including its content, the age and interests of the reader, and the design of the actual book. The Lexile measure is a good starting point in the book-selection process, **but these other factors should be considered when making a decision about which book to choose.**”



Lexile.com : What Does The Lexile Measure Mean?

Take Advantage of Technology



“Students have interests big and small, and giving them a choice in the texts they read can help them explore current interests and learn about new things.”

[Cultivating a Love of Reading in the Digital Age](#)

Genrefication

“Libraries should engage readers and provide high-quality, high-interest, fascinating materials. A good library could be organized like a good bookstore—trying to sell books to readers.”

- Irene C. Fountas & Gay Su Pinnell

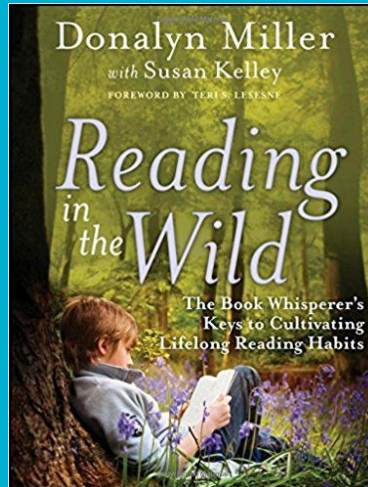
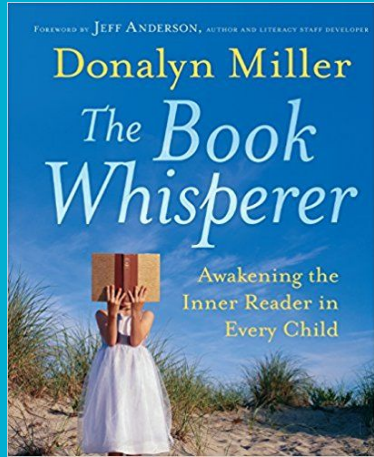


5 Steps to Ditching Dewey!

In Defense of Library Genrefication

Genrefication : Or, Making Our Library More Reader Friendly

Book Study Suggestions



“Students will read if we give them the books, the time, and the enthusiastic encouragement to do so. If we make them wait for the one unit a year in which they are allowed to choose their own books and become readers, they may never read at all. To keep our students reading, we have to let them.”

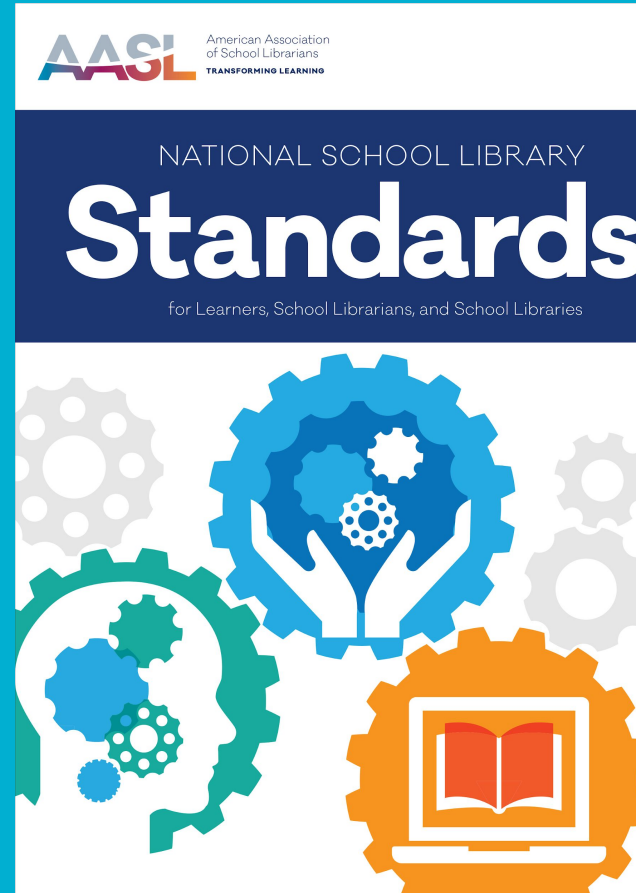
– **Donalyn Miller**

Library-Media

New Standards

AASL Standards - Framework
for Learners

Maryland K-12 Computer
Science Standards, Sept 2018



Makerspaces

What Is A Makerspace?



[What Is A Makerspace? Article](#)

Why Have a Makerspace?

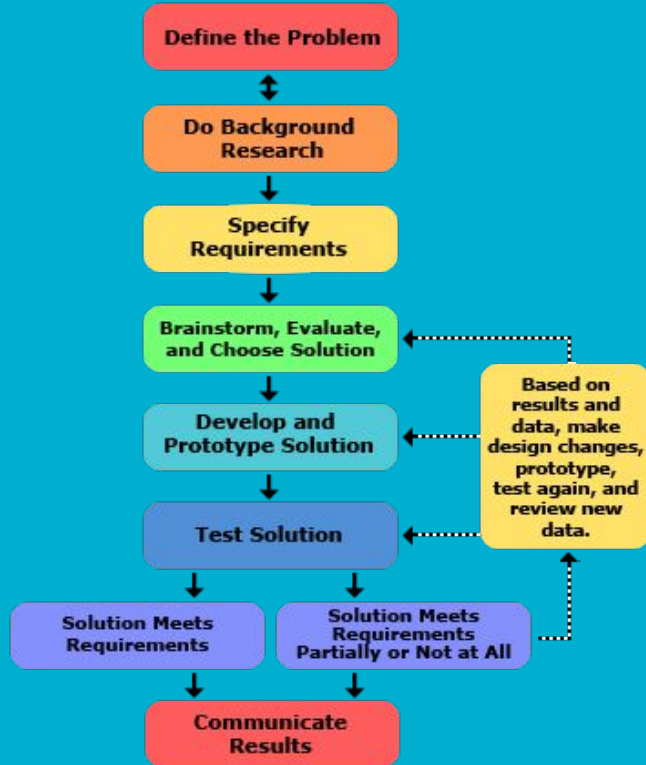
“Makerspaces provide **hands-on, creative ways to encourage students to design, experiment, build and invent** as they deeply engage in science, engineering and tinkering.”

- Jennifer Cooper

[Designing a School Makerspace](#)



Engineering and Design Process



Novel Engineering

Teach Engineering

OER Commons

Considerations: Scheduling and Storage

SCHEDULING

- Who will be in charge of the space?
- Fixed vs. Flexible Schedule
- NOISE

STORAGE

- Storage of maker items
- Storage of projects that are under construction

Considerations: Funding

Book Fairs

PTA/PTO

Donors Choose

Local Grants



SANDBOX TIME!!

iPAD APPS FOR CREATIVITY

- ⦿ [Touchcast](#) - Greenscreen
- ⦿ [Stop Motion Studio](#) - Stop Motion Animation
- ⦿ [Adobe Spark Video](#)** - Quick Movie Creation
- ⦿ [Canva](#)** - Poster/Infographic Maker
- ⦿ [Sketchbook](#) - Powerful art program

** Also available as a website for laptops/Chromebooks

iPAD APPS FOR CODING

- ◉ [Pyonkee](#)
- ◉ [Tynker](#)
- ◉ [Tickle](#)
- ◉ [Sphero EDU](#)
- ◉ [Coding with Awbie / OSMO](#)
- ◉ [Swift Playgrounds](#)
- ◉ [Hopscotch](#)
- ◉ [Kodable](#)

WEBSITES FOR CODING/CREATIVITY

Coding

- ⦿ [Code.org](https://code.org) ** Works on iPads
- ⦿ [Codecombat.com](https://codecombat.com)
- ⦿ [Scratch 3.0](https://scratch.mit.edu) ** Works on iPads

Creativity

- ⦿ [Thinglink](https://www.thinglink.com)
- ⦿ [TinkerCAD](https://tinkercad.com) 3D Modeling and Design ** Works on iPads
- ⦿ [Gamestar Mechanic](https://www.gamestar-mechanic.com) Video Game Design

ROBOTS & OTHER ELECTRONICS

Ollies

Spheros & Sphero Minis

Ozobots

Dot & Dash

Code-A-Pillar

Code and Go Mouse

Botley

Makey-Makeys

Microbits

VR Headsets with Google
Expeditions

COZMOS

Parrot Mambo Mission

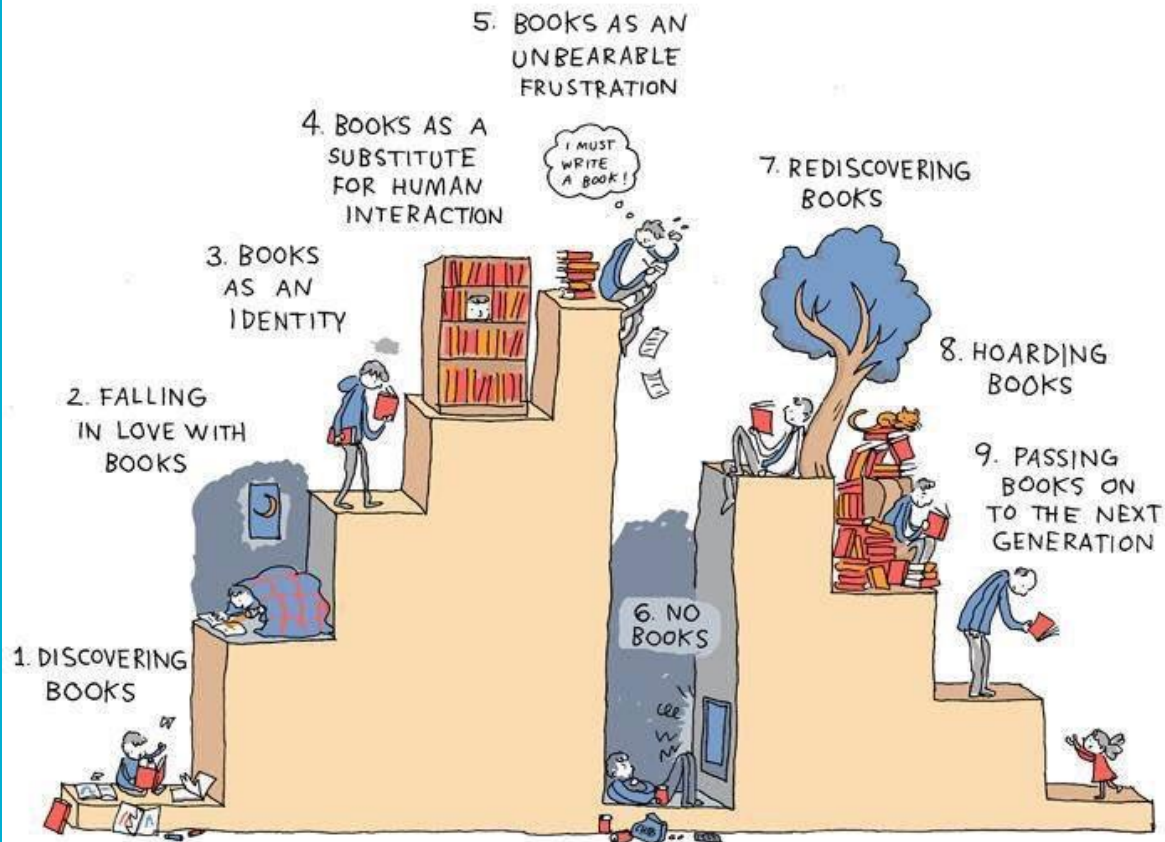
Bloxels

ENGINEERING RESOURCES

- ◉ [KEVA Planks](#)
- ◉ [KEVA BrainBuilder](#)
- ◉ [KEVA BrainBuilder JR.](#)
- ◉ [IO Blocks](#)
- ◉ [You Can Do the Cube](#)
[Lending Library](#)
- ◉ [Tinkertoys](#)
- ◉ [K'Nex](#)
- ◉ [Legos](#)

QUESTION & ANSWER

STAGES OF THE READER



GRANT SNIDER

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