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Better with Science: Strengthening Patron Learning

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I-2 Better with Science: Strengthening Patron Learning

Alyson Drake, Joseph Lawson, &
Heather Simmons



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Presenters



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Alexander Campbell King Law
Library, University of Georgia
School of Law



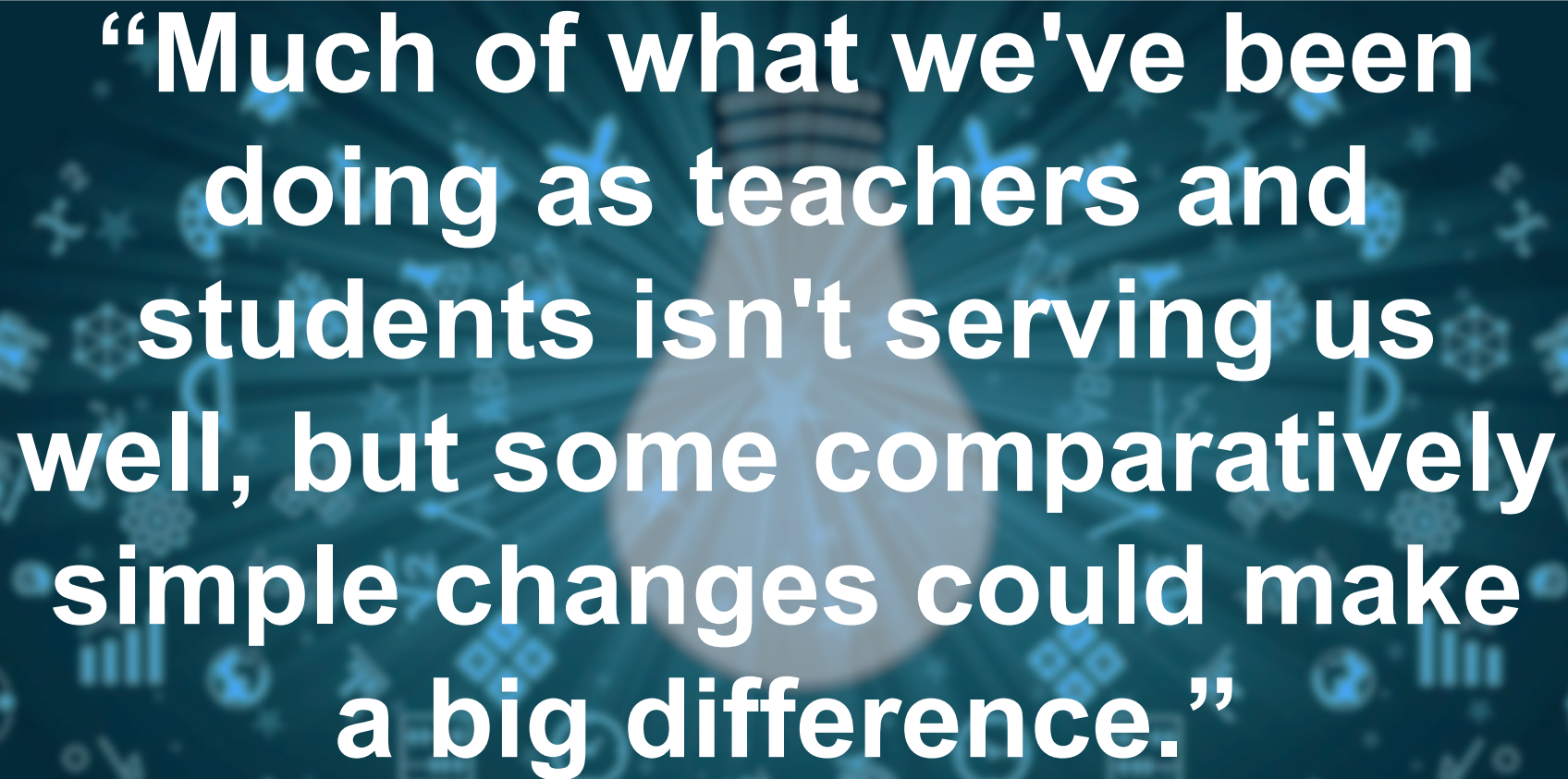
Joe Lawson

Deputy Director
Harris County Law Library



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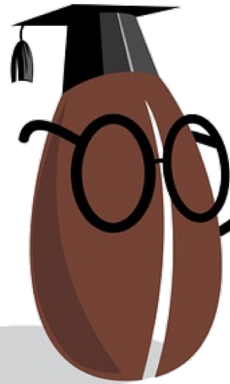




“Much of what we've been doing as teachers and students isn't serving us well, but some comparatively simple changes could make a big difference.”

(9) Make It Stick: The Science of Successful Learning

Much of
what
we've
been
doing...



Read Ch.
2
Quiz on
Friday



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False-narrative creep

Legal research is easy.

Legal research is
unimportant.



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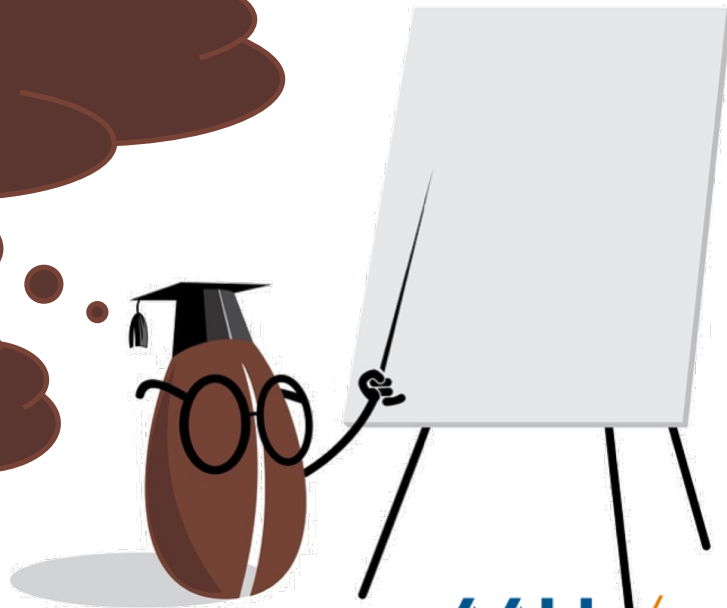
False-narrative creep

My students already
know how to...

study.

Do
research.

practice.



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Cognitive Load

- Intrinsic
- Extraneous
- Germane

*the mental
burden that
managing*

working memory

imposes on a

person

Play small ball!

- Prediction
- Scaffolding
- Interleaving (with a little spaced repetition)



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Prediction



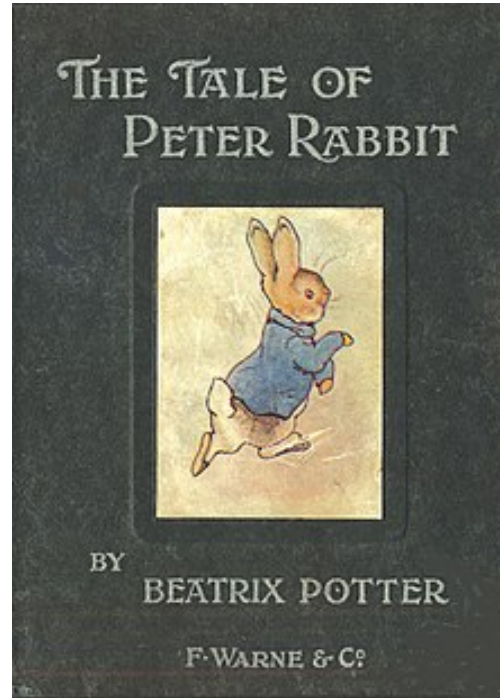
<https://www.flickr.com/photos/manoftaste-de/9483602817>



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Guess what will happen next



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James M. Lang, *Small Teaching* (2016)

[M]aking predictions about material that you wish to learn increases your ability to understand that material and retrieve it later.
p. 43

Prediction helps lay a foundation for richer, more connected knowing. p. 49

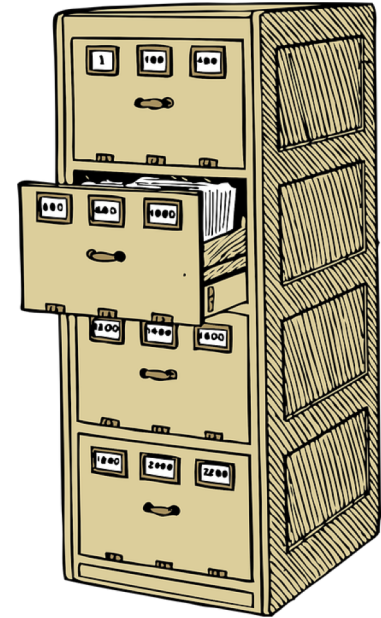


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Peter C. Brown, Henry L. Roedinger III, and Mark A. McDaniel, *Make it Stick* (2014)

“Unsuccessful attempts to solve a problem encourage deep processing of the answer when it is later supplied, ***creating fertile ground for its encoding***, in a way that simply reading the answer cannot.” p. 88 [emphasis added]



<https://pixabay.com/vectors/file-cabinet-office-equipment-file-146156/>



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PRE-TEST

The Tale of Peter Rabbit

- A. Eat a cabbage and fall asleep
- B. Have his tail cut off by Mr. McGregor
- C. Have a bad stomach ache
- D. Eat blackberries for supper



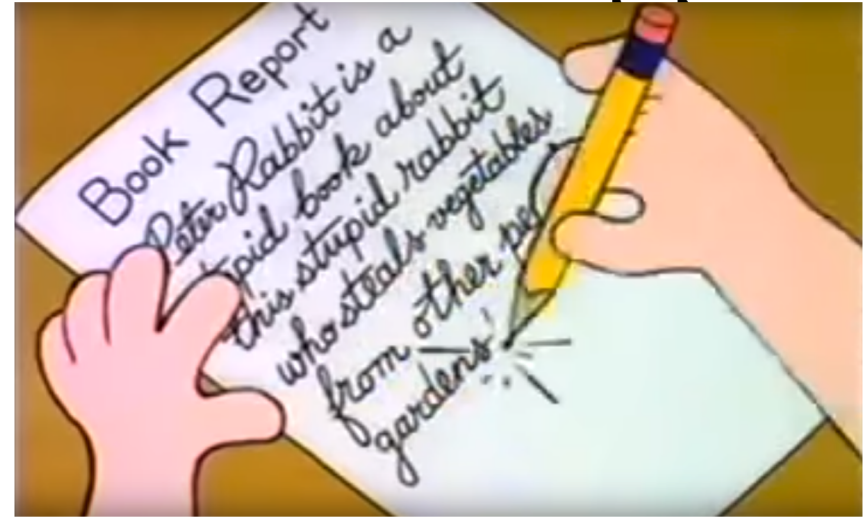
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A Book Report on Peter Rabbit

From the musical
*You're a Good Man
Charlie Brown*

[bluebook cite for a song?]



<https://www.dailymotion.com/video/x3v4p9e>



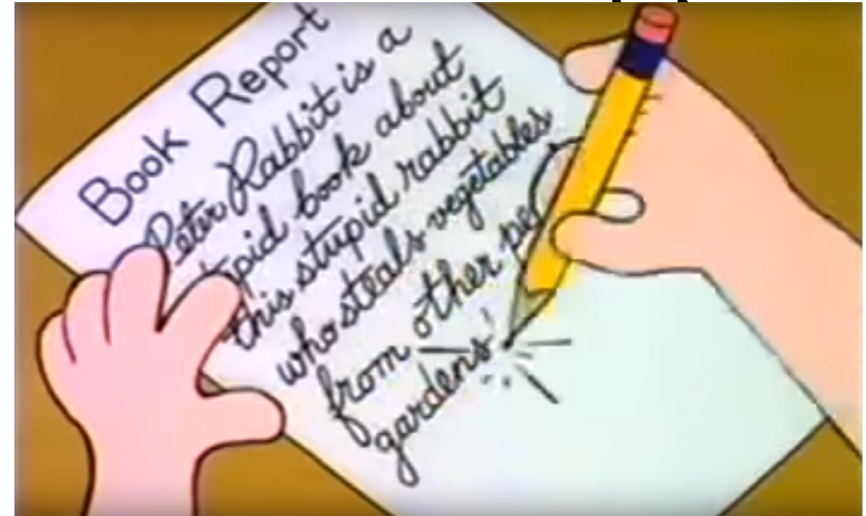
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A Book Report on Peter Rabbit

From the musical
*You're a Good Man
Charlie Brown*

Publication Year of the BOOK



<https://www.dailymotion.com/video/x3v4p9e>



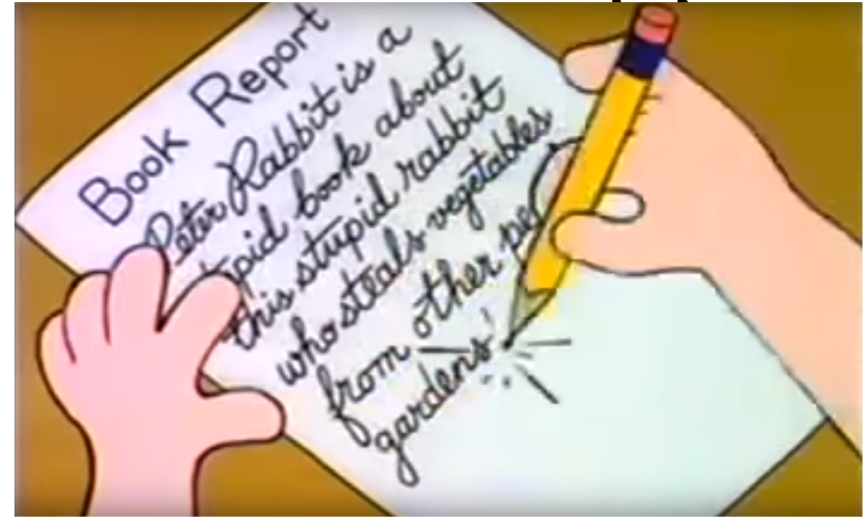
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A Book Report on Peter Rabbit

From the musical
*You're a Good Man
Charlie Brown*

But I digress, back to **prediction**



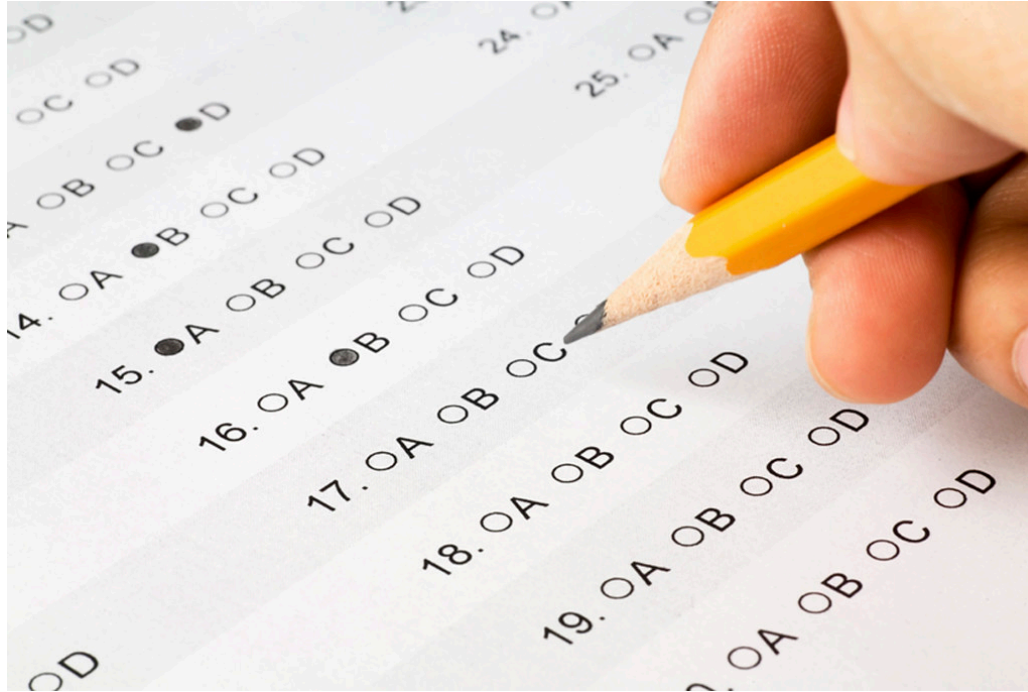
<https://www.dailymotion.com/video/x3v4p9e>



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Example: Pretest



<https://www.flickr.com/photos/albertogp123/5843577306>

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Cognitive Theory

Prediction leads to deeper engagement with the material resulting in better learning . . .



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Even if your prediction is WRONG . . .



<https://www.needpix.com/photo/36488/cancel-no-symbol-sign-wrong-mark-choice-negative-vote>



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BUT one important *Proviso*

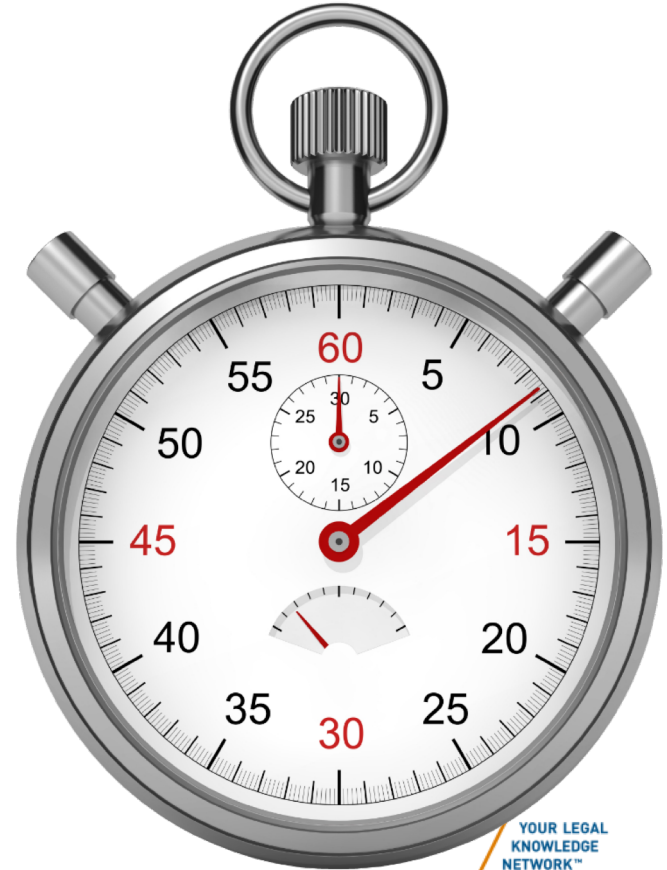


Warning

Incorrect predictions must be **replaced** with the correct information in a timely manner



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<http://pngimg.com/download/6614>

PRE-TEST

The Tale of Peter Rabbit

- A. Eat a cabbage and fall asleep
- B. Have his tail cut off by Mr. McGregor
- C. Have a bad stomach ache
- D. Eat blackberries for supper



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Correct Answer:

- A. Eat a cabbage and fall asleep
- B. Have his tail cut off by Mr. McGregor
- C. Have a bad stomach ache**
- D. Eat blackberries for supper



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I AM sorry to say that Peter was not very well during the evening.

His mother put him to bed, and made some camomile tea; and she gave a dose of it to Peter!

‘One table-spoonful to be taken at bed-time.’

Beatrix Potter, *The Tale of Peter Rabbit*, 80, 1902

<https://www.youtube.com/watch?v=EuTIQCGxE5Y>



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PREDICTION: Legal Research

List three things that you would include in a **Research Plan**.



<https://pixabay.com/illustrations/check-list-to-do-list-done-pen-2398890/>



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Scaffolding

a process "that **enables** a child or novice to solve a task or **achieve** a goal that would be **beyond** his unassisted efforts."



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Zone of Proximal Development



What a child can do today with assistance, she will be able to do by herself tomorrow.

— *Lev S. Vygotsky* —

Scaffolding

Break down task & provide support.

3 types of support

- Encouragement
- Instructions
- Demonstration



Scaffolding at the Harris County Law Library



Legal Tech Institute

Law and tech intersect at the Harris County Law Library 



Digital Legal Research Refresher

A Hands-On Legal
Tech Training
program from the



Microsoft Excel for Legal Work

A Hands-On Legal
Tech Training
program from the
Harris County
Law Library

Get Started

Level Up

Go Pro



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Scaffolding at the Harris County Law Library

Let's learn about concatenation!

It's gonna be great!



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COGNITIVE STRATEGY 3: RETRIEVAL



THE SCIENCE



THE CHALLENGE



THE EXAMPLES



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YOUR TURN!



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Two Column Content



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Comparison



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Outline

- Column One, Bullet One
- Bullet Two, Bullet One



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Questions & Answers

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