NSS Labs TEACHING CONSUMERS SECURITY HABITS

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EDUCATION TECHNOLGY!

"If you only see one solution then you probably don't understand the problem"

-Author Unknown

NSS Labs Why some of the best universities are giving away their courses

Daphne Koller, a co-founder of Coursera, says the default form of college classes — a professor standing in front of her students, lecturing for an hour — developed 300 years ago, when books were rare and the professor essentially read the contents.

This is 2012. We're wired. We can do better, Koller says.

http://seattletimes.com/html/pacificnw/2019133492_pacificpedupunk23.html

Why some of the best universities are giving away their courses

What's different? First, Lazowska says, the technology has vastly improved, allowing us to do things (like live chats over the Web) that we couldn't do before. Second, a slew of discoveries in brain science have helped us understand how best to use the new technology and make learning stick.

For example: Breaking the video lectures into small chunks helps students retain information better. Embedded quizzes keep them focused. Drawings appeal to the visual learner.

Ed Lazowska, Bill & Melinda Gates chair in computer science at the UW http://seattletimes.com/html/pacificnw/2019133492_pacificpedupunk23.html

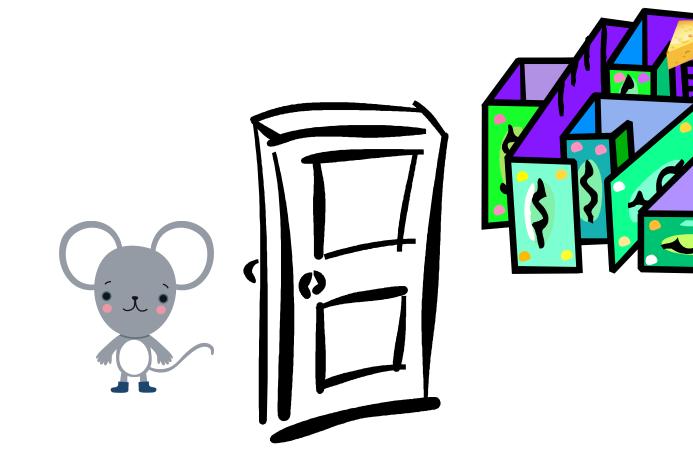
The Habit Loop

The Power of Habit: Why We Do What We Do in Life and Business

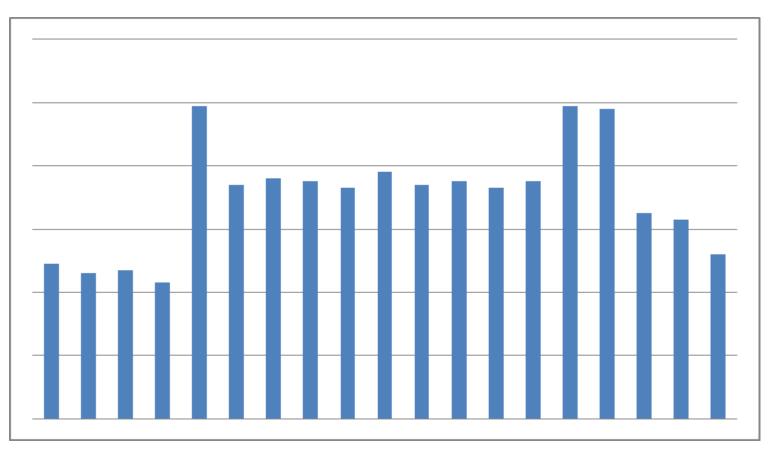
-Charles Duhigg

- Trigger
- Routine
- Reward

The Habit Loop Brain Activity

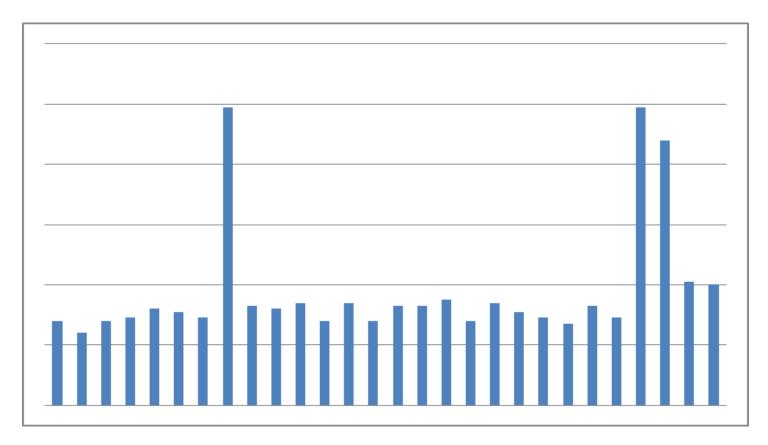


Mouse Vs. Maze: Round 1



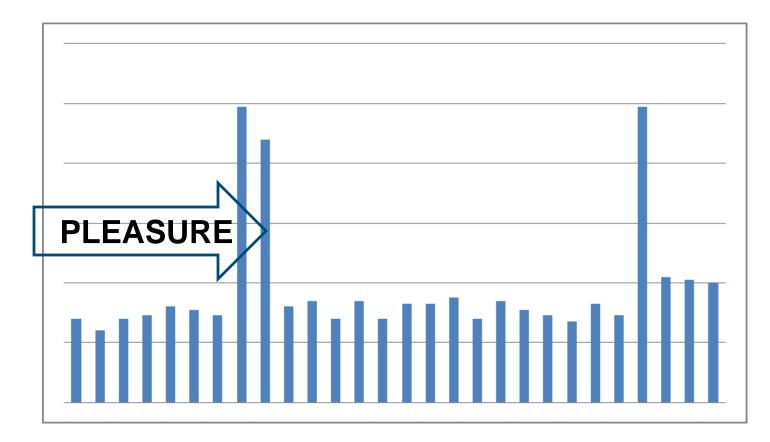
Gate Opens - mouse searches - mouse finds reward

Mouse Vs. Maze: Round 10



Gate Opens - mouse searches - mouse finds reward

Mousy gets a Craving



Gate Opens - mouse searches - mouse finds reward

What Were You Thinking?

When a habit emerges, the brain stops fully participating in decision making. It stops working so hard, or diverts focus to other tasks. So unless you deliberately fight a habit—unless you find new routines— the pattern will unfold automatically.

Duhigg, Charles (2012-02-28). The Power of Habit: Why We Do What We Do in Life and Business (p. 20). Random House, Inc.. Kindle Edition.

Habit Routines Must Be Replaced

- Stress > Cigarette > Satisfaction
- Stress > Exercise > Satisfaction
- Email > Click > Funny Video (or Malware)
- Email > THINK > Reward

You Have to Believe

- A higher power
- A system can work
- Thinks will get better
- You can learn and understand technology

Social Habits

- Reducing the infant mortality rate
- Identify major sources
- Identify major cause
- Solution social change

Educate To Create Habits

- Games
- Live "phishing"
- Live use of password crackers

We Have to do this Smarter!

- Fight habits with habit remediation
- Fight ignorance with education
- Build good habits with education



Thank You!!!

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