

# Take Our Daughters & Sons to Work 2017

Thursday, April 27, 2017

## “Count on Me”

Chicago Campus

### A Piggy Bank for Life

Michele Klanian

**Have you ever noticed how much your pennies can add up?** Meet with a Fidelity advisor who can tell you how your money can grow. Learn about stocks, bonds and ways to save.

### Arms and Legs and Feet, Oh My!

R.J. Garrick, PhD

**Find out how artificial arms and legs work.** Learn about the anatomy of your foot. Get familiar with how to use an analog clinical tool to measure and interpret your plantar pressure.

### Brain Works

Tamar Gefen, PhD

**A look inside the human brain.** The session will begin with a brief introduction of the human brain in a classroom setting; focus will be on measuring cognition, and imaging the brain in live humans. There will be one or two activities interspersed to teach "cognition" or "thinking abilities". Then, there will be a tour of the brain bank, where hundreds of human brains are stored for research. The session will end in the Neuroanatomy Laboratory -- children will wear surgical gloves and will learn from and touch a real, autopsied human brain. (If your child has adverse reactions to chemical smells or latex gloves, or is squeamish at the sight of human tissue, you may want to skip this session.)

### CSI – NUPD

NUPD Officer David Schultz

**Get the 411 on 911 with a tour the Northwestern University Police department.** There will be an opportunity to try on police equipment and tour squad cars. Discover the different ways the police keep all the University students, faculty, and staff safe!

### Design is Mine

Kay West

**Girls & Boys will design a room based on the wants and needs of a young client.** They will learn how Interior Designs work to meet the needs of their client and, at the same time, educating their client about what materials and furniture work best in a particular room or setting.

### In Your Genes

Elizabeth Wignail & Kendra Frome

**Participants will learn about genes, genetic counseling and inheritance.** There will be a hands on activity that extracts DNA from strawberries.

### Internet Detective

Julie Phelan

**Starting with just a few facts from Facebook,** our class of detectives will follow the clues to see how much we can learn about someone online – and in real life!

### Itsy Bitsy Teeny Tiny Science

Mark McClendon, PhD

**Find out about smart biomaterials for tissue repairs and regeneration.** Engage in the interactive hands-on activity, visit Peptide Synthesis Core, Analytical Equipment Core, a 3D printing station, and a Nanomedicine clean room core. Participants will be able to talk to investigators from the fields of materials science, chemistry, neurology, and biomedical engineering.

### Operation “OSCAR”

Lenny Wade

**Meet Oscar, a robot who teaches medical students about anatomy.** This will be a hands-on interaction with our simulator patient. See Oscar in action!

### **Show Me the Money**

**Jim Connelly**

**This is an interactive program using Penny the Pig to help teach sound savings habits.** Money management is an important life skill. Penny can help anyone learn to be fiscally responsible. Each child will receive a Penny the Pig bank to take home with them.

### **Speak Up and Swallow This...**

**Laura Cumby and Carolyn Chiu**

**We will explore all of the parts of the mouth and throat** that work together during chewing and swallowing, including viewing x-ray videos of swallowing to watch the food and liquid as it goes down. We'll also explore how to talk without a voice box and experience using an electrolarynx to simulate natural voicing.

### **The Secret Life of a Pet Doctor**

**Emma Liechty**

**The Veterinary Medicine tour** session will consist of a short presentation and 5 interactive stations. Activities at each station will be directed by a veterinary staff member (veterinarian or veterinary technician). The stations will be as follows: microbiology, rodents, rabbits, radiology, and surgery. Activities at each station will include: examination of mouse tissues (microbiology); learning about mice, rats, and rabbits used in research; looking at x-rays and bone models (radiology); and applying a bandage (surgery).

### **The Skin You're In**

**Dr. Maria Colavincenzo**

**Did you know the skin is your body's largest organ?** Learn more about your skin, how it works and how to protect it.

### **Web Master**

**Julie Phelan**

**We are going to be webmasters today!** It's your own webpage all about you – you'll add colors, pictures, and text using an easy web language and a web browser. Walk in knowing nothing – walk out a webmaster!

### **You've Got Talent**

**Andrew Ludington**

**Acting is not just for Hollywood and Broadway stars.** No matter what you want to do for your career, everyone can benefit from the ability to be present, listen and improvise. In this class, students will explore using these skills through fun theater games and exercises. No experience required.