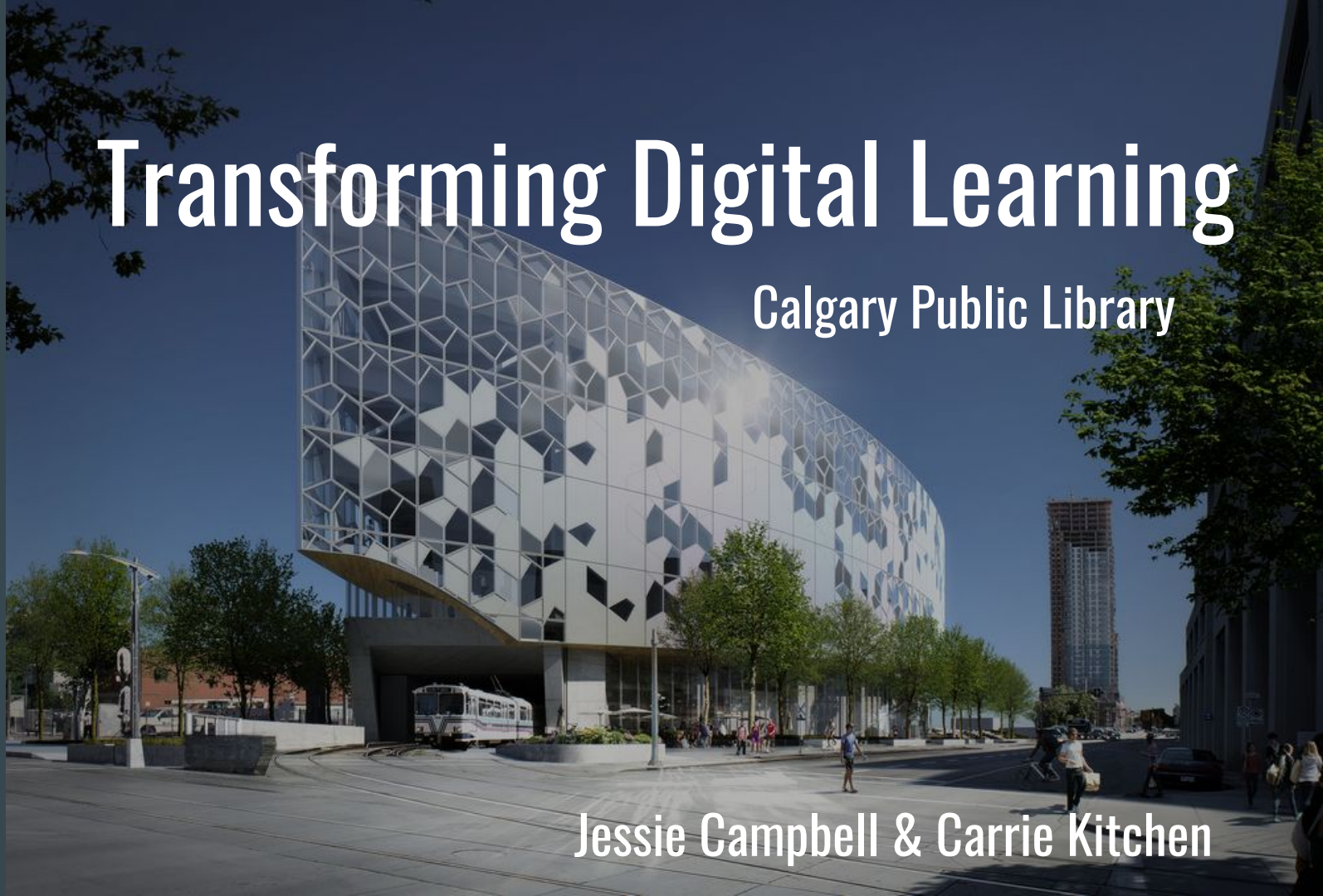


# Transforming Digital Learning

Calgary Public Library

Jessie Campbell & Carrie Kitchen

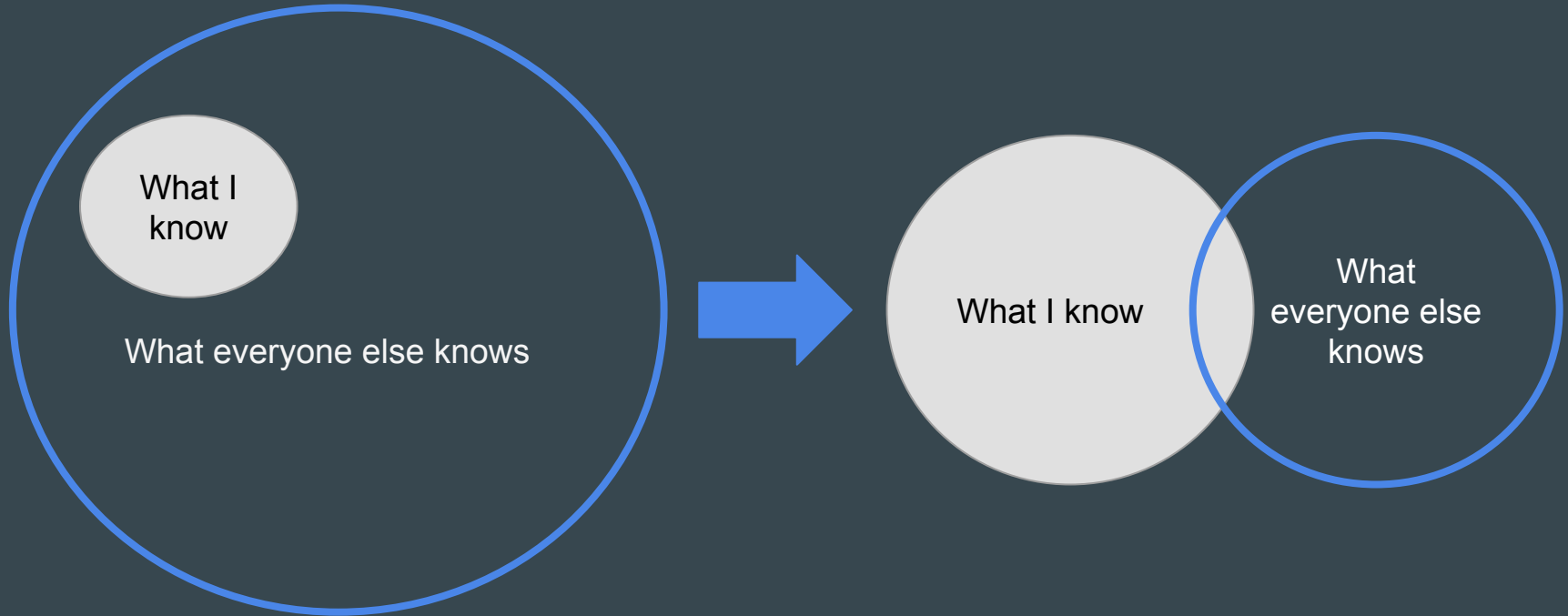


# What we're talking about today!

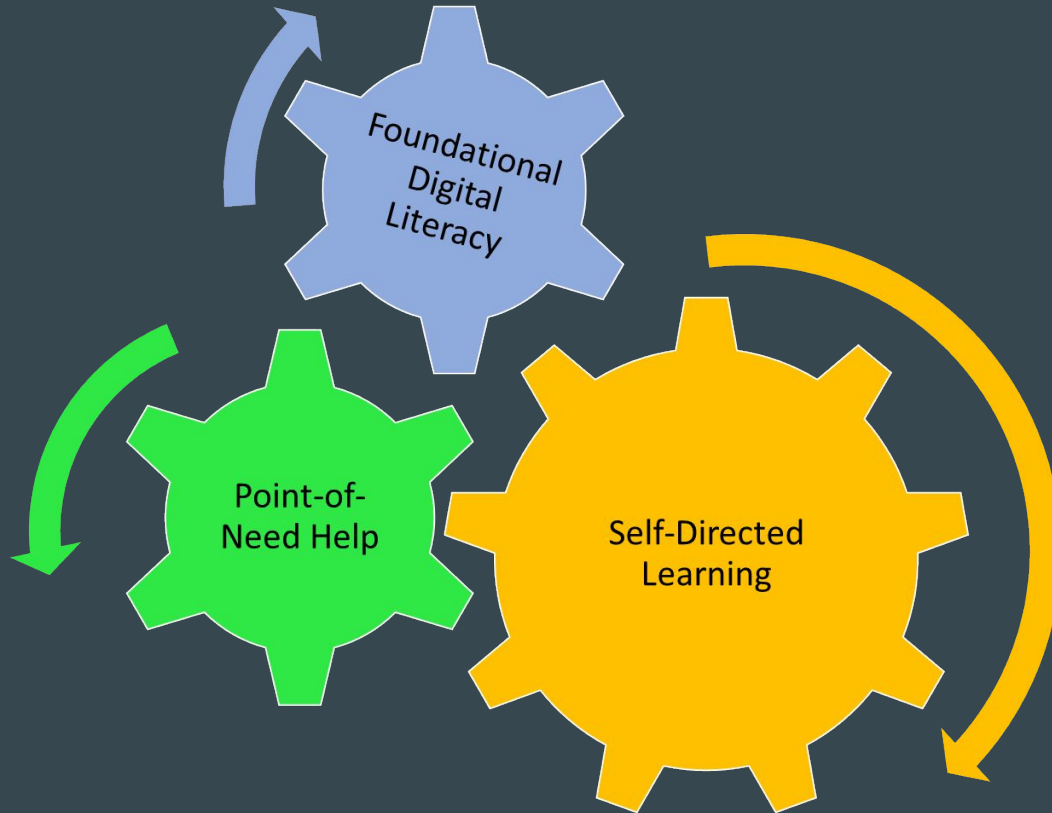
1. Context & Background
2. What we tried
3. What we're doing next



# Imposter Syndrome



# What is Digital Learning?



Where  
we  
Were





# The Need to Transform Digital Learning







**Teachable  
Moment!**

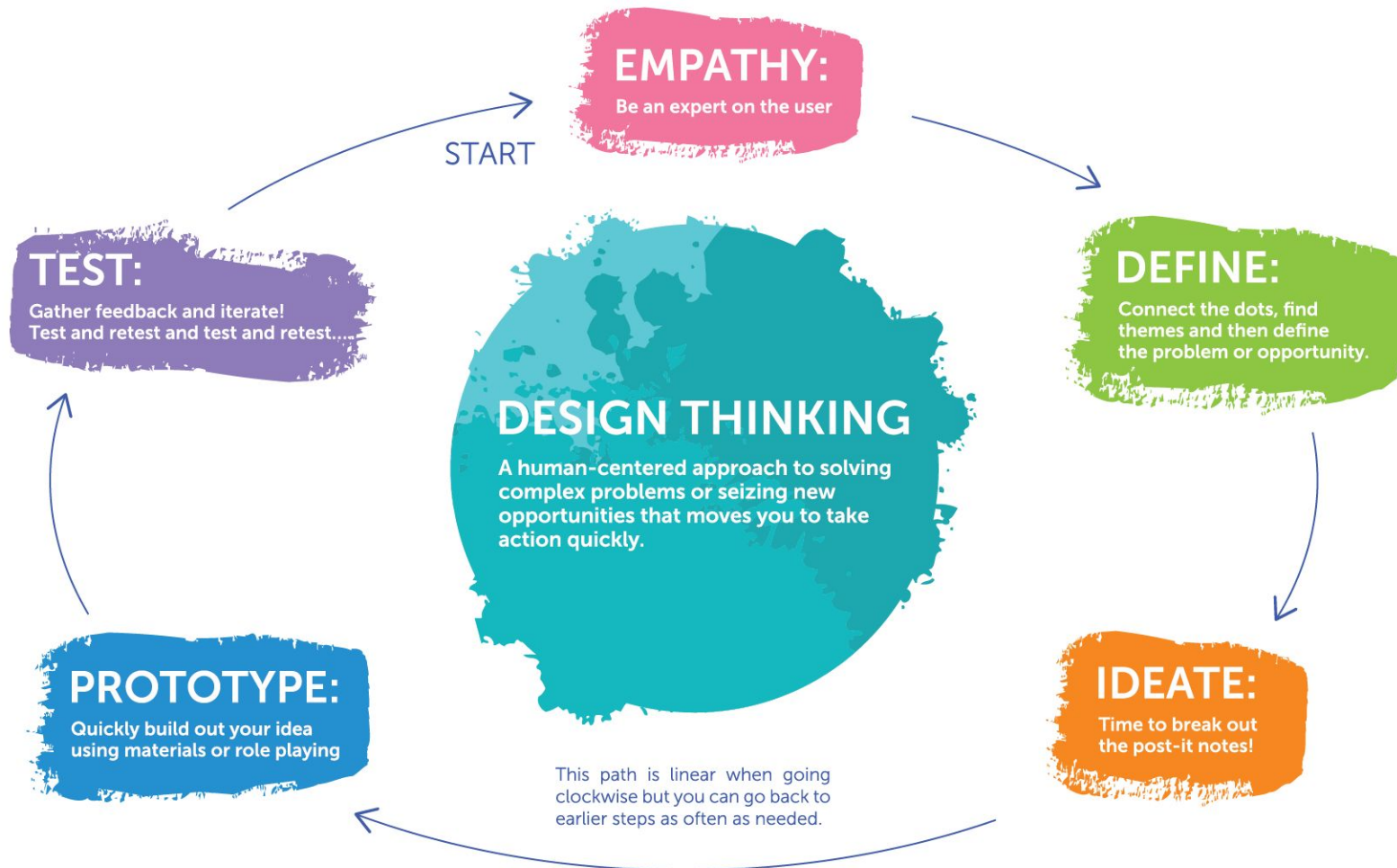




Squirrel Girl. Vol. 4, issue 11







# Inquiry-Based Learning - “Guide on the Side”

- Interdisciplinary team
- Education Concept
- Facilitator vs Lecturer



# Where do we start?

- Inquiry-based learning.
- Focus on skills, not tasks.
- Be platform-neutral.
- Reduce stress.
- Incorporate social interaction and practice time.
- Make thinking visible (computational thinking)





# Computational Thinking

New Words!

## Decompose

Say it with me: De-COM-pose

*Break a problem down into smaller pieces*

## Pattern Matching

Say it with me: Pat-ern Mat-ching

*Finding similarities between things*

## Abstraction

Say it with me: Ab-strac-shun

*Pulling out specific differences to make one solution work for multiple problems*

## Algorithm

Say it with me: Al-go-ri-thm

*A list of steps that you can follow to finish a task*





**Teachable  
Moment!**





**What We Tried**



# Coding for Kids

A photograph of two young children, a boy and a girl, sitting at a wooden table. The boy, on the left, is wearing a dark blue t-shirt and has his arms raised in excitement. The girl, on the right, is wearing a green and white striped shirt and is pointing at a silver laptop. Both children have wide, joyful expressions. The background is a blurred indoor setting with green walls and a red exit sign.

- Self-directed learning
- Connect with quality resources
- Be a “Guide on the Side”

# Facilitating Technology Learning

**“I love when instructors are so engaged with students that they can accommodate learners’ goals and interests, not just stick to a "script" or one way of doing things.”**

- Professional Development Specialist at CalgaryLearns



# More Professional Learning

- Cloud Computing
- Your Civic Literacy Minute



# Programs for Patrons

- Reinventing Computer Technology Coaching
  - Full-day service
  - Peak times service
- Learn Online with the Library
  - Interactive
  - Paper & Pencil







**Teachable  
Moment!**





Search by image



Secure | [https://www.google.ca/search?tbs=sbi:AMhZZist0EO4wkwfKbvIYhRwY-4THb6DG0qzfQbXx-FTfET7TaJXzhd1GS\\_1UXosFGyesnYH...](https://www.google.ca/search?tbs=sbi:AMhZZist0EO4wkwfKbvIYhRwY-4THb6DG0qzfQbXx-FTfET7TaJXzhd1GS_1UXosFGyesnYH...)

All

**Images**

Maps

Shopping

More

Settings

Tools

About 2 results (0.96 seconds)



Image size:  
346 × 259

No other sizes of this image found.

Best guess for this image: **urban area**

### Urban area - Wikipedia

[https://en.wikipedia.org/wiki/Urban\\_area](https://en.wikipedia.org/wiki/Urban_area)

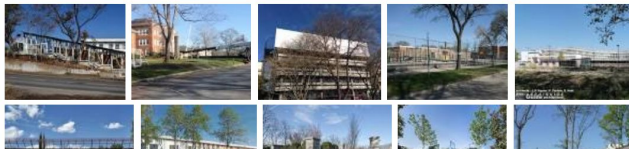
An **urban area** is a human settlement with high population density and infrastructure of built environment. Urban areas are created through urbanization and are categorized by urban morphology as cities, towns, conurbations or suburbs. In urbanism, the term contrasts to rural areas such as villages and hamlets and in ...

### urban area - National Geographic Society

[www.nationalgeographic.org/encyclopedia/urban-area/](http://www.nationalgeographic.org/encyclopedia/urban-area/)

An **urban area** is the region surrounding a city. Most inhabitants of urban areas have nonagricultural jobs. Urban areas are very developed, meaning there is a density of human structures such as houses, commercial buildings, roads, bridges, and railways. "Urban area" can refer to towns, cities, and suburbs. An urban area ...

### Visually similar images



## Urban area



An urban area is a human settlement with high population density and infrastructure of built environment. Urban areas are created through urbanization and are categorized by urban morphology as cities, towns, conurbations or suburbs. [Wikipedia](#)



A surreal lunar landscape under a dark sky. A massive, cratered moon dominates the background. In the mid-ground, a white, dome-shaped habitat with intricate patterns sits on the dark, rocky ground. A small satellite orbits above it. In the foreground, a small, metallic, dog-like robot stands next to a larger, more complex humanoid robot. The text "What's Next?" is centered in the image.

What's Next?

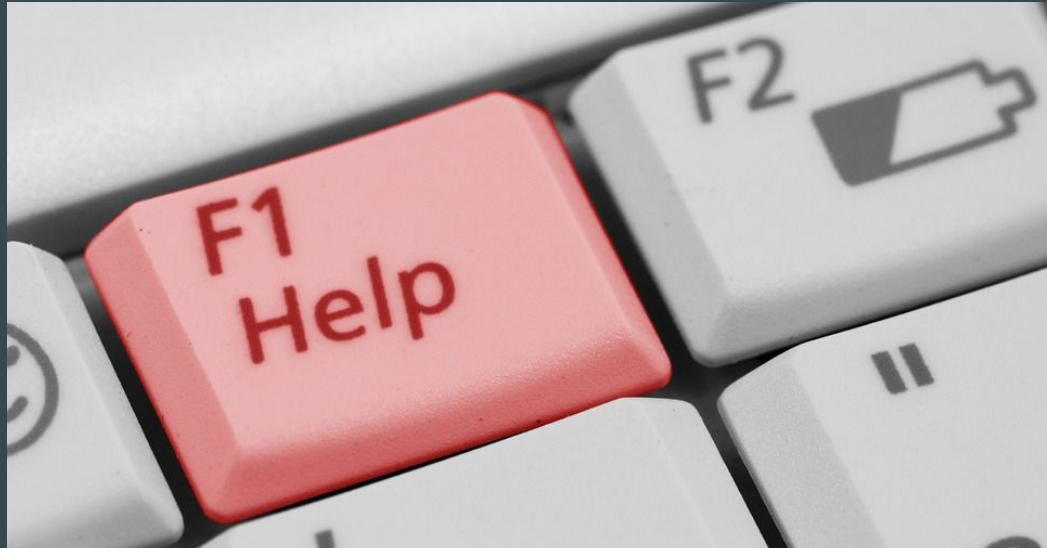
# Foundational Digital Literacy

- Narrowing the focus of existing FDL classes
- Exploring Career Resources class
- Getting Started with Technology class
- Adding practice time after classes



# Point-of-Need Learning

- Reinventing Computer Technology Coaching
- “Ask for Help” access points
- Digital Literacy Minutes - troubleshooting





# Self-Directed Learning

- Create Pathfinders
- Exciting Peak Moments
- Build Hardware



A close-up photograph of two orange tabby cats drinking from a blue ceramic bowl. The cat on the right is in the foreground, its head lowered into the bowl. The cat on the left is slightly behind, also drinking. The bowl is filled with a white liquid, likely milk. The background is a warm-toned tiled floor.

# Thank you! We're Happy to Share!

Questions? Chat about ideas? Please reach out!  
Carrie Kitchen [carrie.kitchen@calgarylibrary.ca](mailto:carrie.kitchen@calgarylibrary.ca)  
Jessie Campbell [jessie.campbell@calgarylibrary.ca](mailto:jessie.campbell@calgarylibrary.ca)

# Resources & Research

- Code.org (Computational Thinking, online & offline activities)
- Commonsensemedia.org
- Mediasmarts.ca
- Design Thinking for Libraries: A Toolkit for Patron-Centered Design by IDEO  
<http://designthinkingforlibraries.com/>
- *Power of Moments* by Chip and Dan Heath
- *Mindset: The New Psychology of Success* by Carol S. Dweck, Ph.D.

Let us know if you'd like more information on the research we did!