

# NORTH CAROLINA DIGITAL-AGE LEARNING INITIATIVE



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The Friday Institute at NC State

# Digital Learning Initiative Update

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Dr. Jeni Corn  
February 28, 2018

**NC STATE**

College of Education

THE WILLIAM & IDA  
**FRIDAY INSTITUTE**  
FOR EDUCATIONAL INNOVATION



Public Schools of North Carolina  
State Board of Education  
Department of Public Instruction



## NC Digital Learning Initiative Highlights

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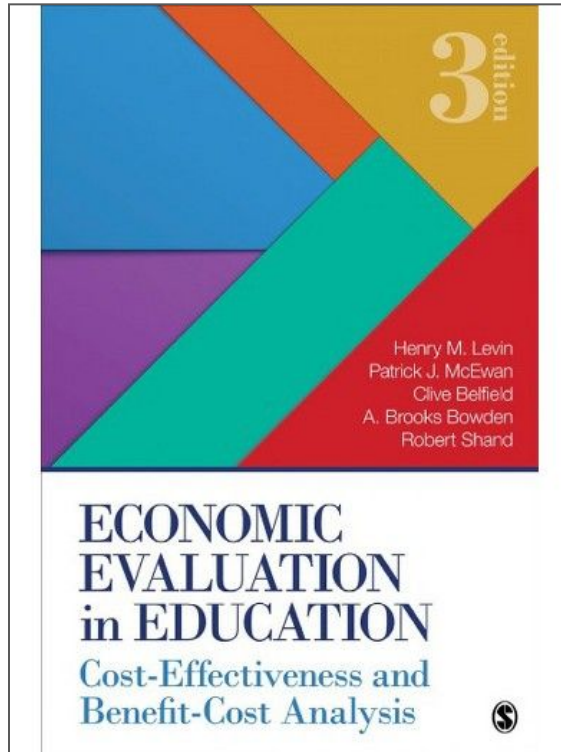
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NC Department of Public Instruction

# Today's Agenda:



# NCDLI Economic Evaluation Study Plan



## Study Questions:

- What is our return on our commitment to resources and investment in digital learning?
- What can we learn from past investments to guide more strategic use of resources going forward?

Principal Investigator: Dr. Brooks Bowden, NCSU

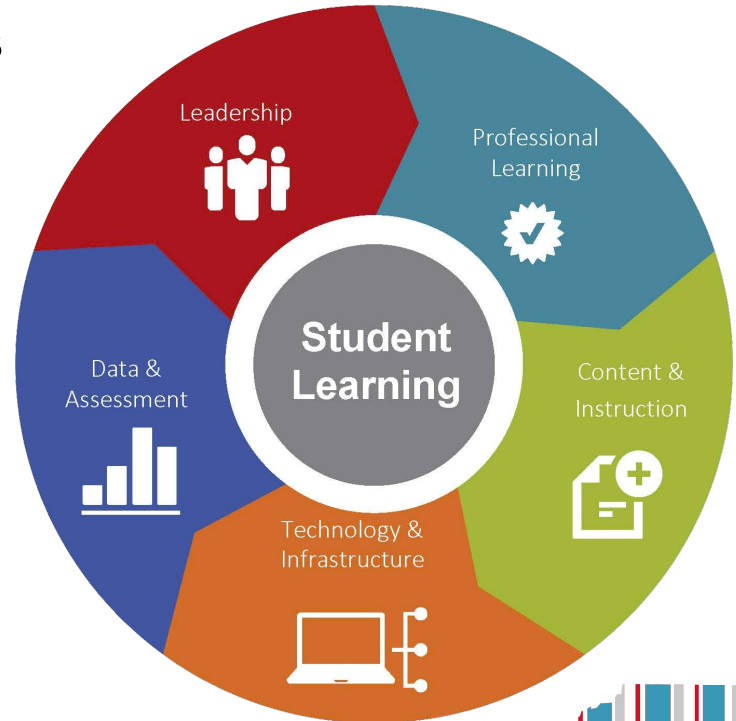
[brooks\\_bowden@ncsu.edu](mailto:brooks_bowden@ncsu.edu)



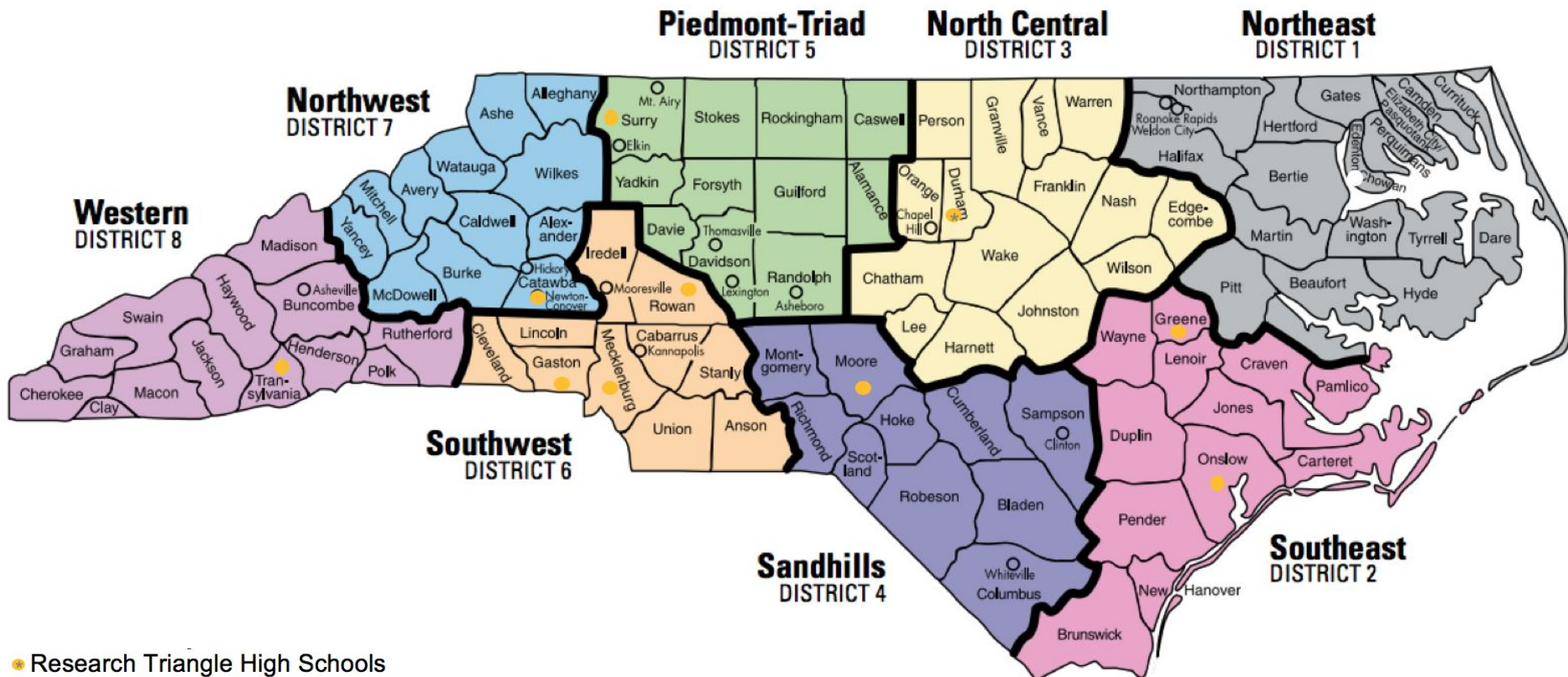
# NCDLI Digital Learning Progress Rubrics

- Roadmap to digital-age learning across 5 major areas & 25 key elements
- In May 2015, 115 LEAs and 120 Charter Schools completed rubric for a statewide snapshot to prioritize resources and sequence of steps for the NC Digital Learning Plan

- 
- New item: NCDLI team will request districts and charters complete online by June 30, 2018



# 2017-18 DLI Showcase Grantees



★ Research Triangle High Schools

# 2017-18 DLI Showcase Grantees

	NCTIES Conference	All Showcase Grantees	March 2, 2018
North Central	<b>Research Triangle High School</b>	Personalized Learning Showcase	March 21 & 28, 2018
Southwest	<b>Rowan-Salisbury Schools</b>	Showcasing the Extraordinary	March 27-28, 2018
Southeast	<b>Greene County Schools</b>	GCS Lit-Tech Conference	March 29, 2018
Southwest	<b>Gaston County Schools</b>	Piedmont Digital Learning Conference	April 14, 2018
Southwest	<b>Charlotte Mecklenburg Schools</b>	CMS' Personalized Digital Learning Showcase	April 16, 2018
Northwest	<b>Newton-Conover City Schools</b>	Blended and Personalized Learning Showcase	April 26, 2018
Sandhills	<b>Moore County Schools</b>	Building Engineers in your K-5 Classrooms	May 4th, 2018
Piedmont-Triad	<b>Surry County Schools</b>	Level Up Learning Symposium	May 19, 2018
Southeast	<b>Onslow County Schools</b>	Onslow unConference - A Student-Led Technology Showcase	June 13, 2018
Western	<b>Transylvania</b>	TCS Step It Up Digital Learning Showcase	June 13, 2018

For more information about each event: [bit.ly/2018DLIShowcase](http://bit.ly/2018DLIShowcase)



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# Digital and Personalized Learning with Canvas

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# Canvas Instances in North Carolina

**112 Canvas  
Instances**

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canvas

## 112 Canvas Instances Across North Carolina

- ❑ County-Wide Districts – 73/100
- ❑ City Districts – 10/15
- ❑ Charters – 29/173

## Other Canvas Instances in North Carolina

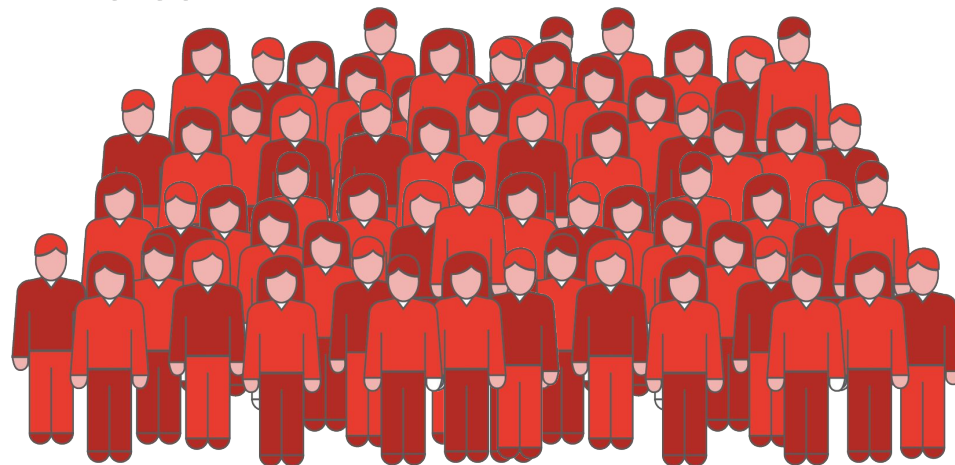
- ❑ DPI including NC Virtual Public School and our Schools for Deaf and Blind



# Growth and Adoption Data



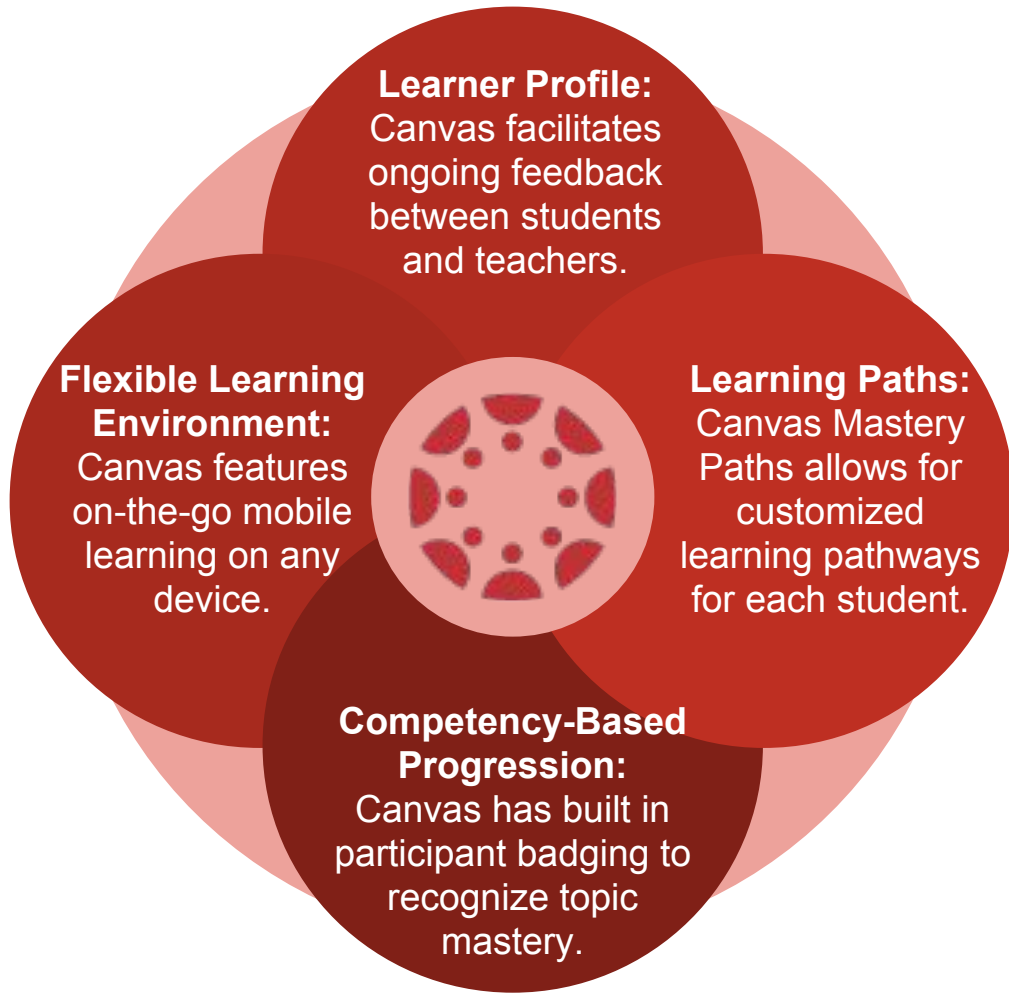
414,579 Unique Canvas Users  
2016-2017 School Year



747,081 Unique Canvas Users  
2017-2018 School Year

**80%** USER INCREASE ACROSS 112 CANVAS INSTANCES





# Supporting the Four Pillars of Personalized Learning with Canvas





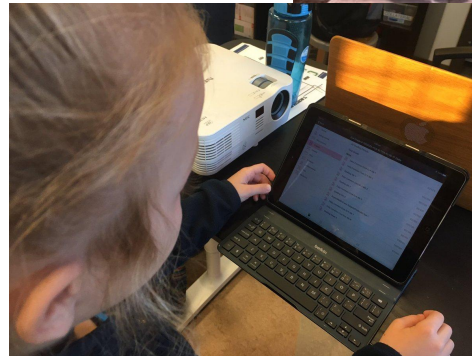
# Pine Lake Preparatory



- K-12 Charter School in Mooresville, NC with ADM of 1863
  - K-12 Adoption of Canvas in all classrooms as the path for learning and community engagement.
-

# 2016 - 2017 Canvas By the Numbers

- ❖ 1,791 Students Accounts
- ❖ 102 Teacher Accounts
- ❖ 2,790 Observer Accounts
- ❖ 19,913 Assignments Created
- ❖ 4,200 Discussion Topics
- ❖ 22,021 Files Uploaded
- ❖ 3,939 Media Recordings



# Canvas as the Path of Learning

All classrooms at Pine Lake Preparatory use Canvas to create flexible learning paths for student activities. Example activities include:

- Discussion boards in literacy blocks for students to record themselves reading and responding to questions from their teachers and peers.
- Kindergartners building their own profile with name, address, and picture. They learn how to view digital resources and record short responses with what they have learned from the resource.
- Student club pages that are created and managed by students based on their interests.

Parents and family members can see public content on Canvas and login with their student's information to quickly see what their student is learning and creating on their path to success.

## Four Pillars of Personalized Learning:

1. A student having a "learner profile" that documents and stimulates self-reflection on his or her strengths, weaknesses, preferences, and goals;
2. *A student pursuing an individualized learning path that encourages him or her to set and manage personal academic goals;*
3. A student following a "competency-based progression" that focuses on the ability to demonstrate mastery of a topic, rather than seat time; and,
4. *A students' learning environment being flexible and structured in ways that support individual goals.*



Modules  
Conferences  
Collaborations  
Chat  
People  
Admin  
Files  
LockDown Browser  
Mindomo  
Discovery Education  
Google Drive  
Settings

Kindergarten  
Ms. Lewis

Weekly News  
Sight Words  
Spanish  
E-Mail to the Teacher  
Link to SignUp Genius  
Letterland  
Mathematics  
Reading  
Schedule

Account  
Admin  
Dashboard  
Courses  
Groups  
Calendar  
Inbox  
Comments  
Help

<https://pinelakeprep.instructure.com/courses/2613/modules/5945>

## Grades K - 4

Home pages are set up much like a website with live links to important information.

2017-18 Social Studies Grade 7  
Jump to Today Edit

Pine Lake Preparatory  
Instructor: Mr. Lecher  
Course: 7th Grade Social Studies

Email the Teacher  
Home Base Syllabus  
Assignments Announcements  
Washington D.C. Field Trip

Course Summary:

Date	Details
	Course Guidelines Quiz (3 students) due by 11:59pm
	Course Guidelines Quiz (2017-18 2nd Block) due by 11:59pm
	Course Guidelines Quiz (2017-18 6th Block) due by 11:59pm
	Course Guidelines Quiz (2017-18 4th Block) due by 11:59pm
	Course Guidelines Quiz (2017-18 3rd Block) due by 11:59pm
	Course Guidelines Quiz (2017-18 9th Block) due by 11:59pm
Thu Aug 24, 2017	Course Guidelines Quiz due by 11:59pm

Account  
Admin  
Dashboard  
Courses  
Groups  
Calendar  
Inbox  
Comments  
Help

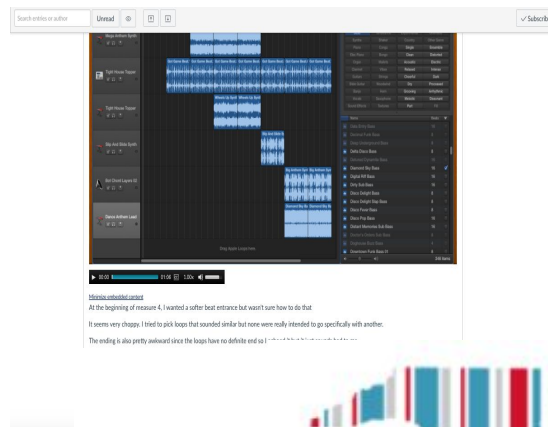
Assignments  
Discussions  
Grades  
Quizzes  
LockDown Browser  
Modules  
Google Drive  
Pages  
People  
Outcomes  
Syllabus  
Files  
Conferences  
Collaborations  
Settings  
Help

## Grades 5 - 12

All course home pages are set up with a banner and links to relevant sites and information.

# Learning Styles

Canvas gives us the opportunity to address the many learning styles of our students. Instead of simple handouts (digital or paper), our students have the opportunity to find unique ways to demonstrate their own learning and feedback.



# Next Steps

# e-learning @PLP

Faculty Journal for [redacted]

- ❖ Utilizing Canvas for E-learning
- ❖ Faculty Journals for Guidance Counselors and EC Staff
- ❖ Badges in Roll Call for anecdotal notes
- ❖ Writing Portfolios in AP courses

Emily [redacted]

Present: 1  
Late: 0  
Absent: 0

Disruptive: 0  
Great Participation: 1  
Incomplete Homework: 0  
Off task in class: 0

[+ Add badge](#)  
[✓ Manage badges](#)

Sun Feb 18



Emily is **present**

[▲ DISRUPTIVE](#) [👍 GREAT PARTICIPATION](#) [🔔 INCOMPLETE HOMEWORK](#)

[▲ OFF TASK IN CLASS](#)

Notifications

Files

Settings

**ePortfolios**

My Badges

## My ePortfolios

📁 Writing Portfolio

2 pages last updated Jan 16 at 8:38am





# Guilford County Schools



- Third largest public school district in North Carolina with an ADM of 71,011
- Adopted Canvas in 2015-2016 with a focus on supporting their 1:1 program in all GCS Middle Schools

## Top Down Approach

District Leaders

School Leaders

Teachers

Students

Parents

**Our  
Approach to  
Canvas**



## District Office

- District Initiatives
- Curricular Professional Learning
- Departmental Organization



## Schools

- Staff Professional Learning
- ePortfolios
- Professional Learning Communities



## Teachers

- Mastery Paths
- Badges
- Digital Breakouts

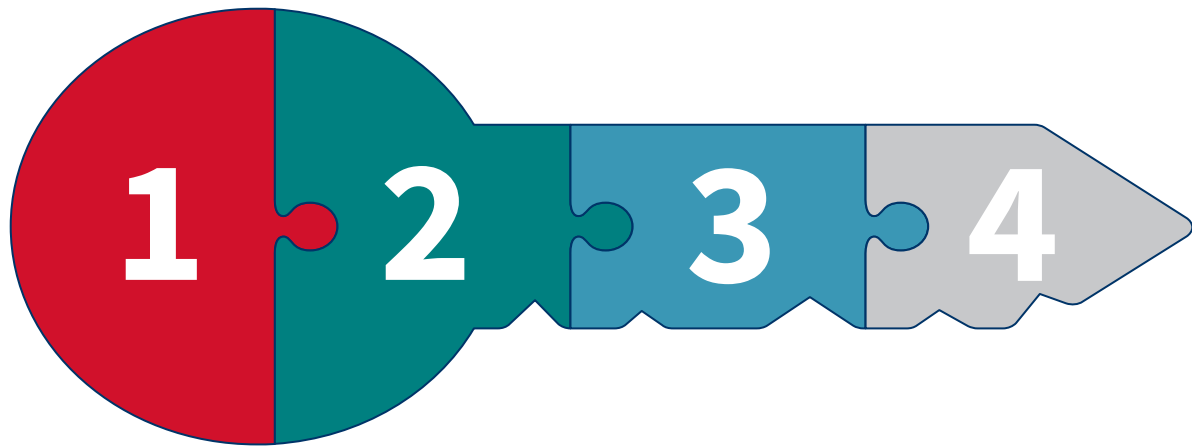
# Canvas Strategy





# **NCDPI: Leveraging Online Professional Learning**





# Keys to leveraging online professional learning through Canvas

**OPL  
Framework**




**Personalized  
Learning**



**OPL  
Champions**



**Canvas**





## Personalized Learning

- Weekly Learning Labs
- Model OPL course
- OPL Hub
- OPL Design & Development Institute
- Badging Central

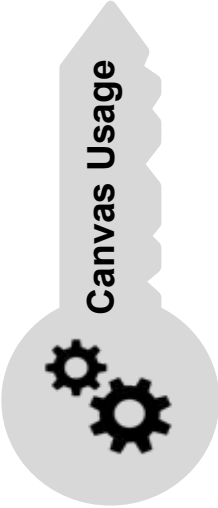
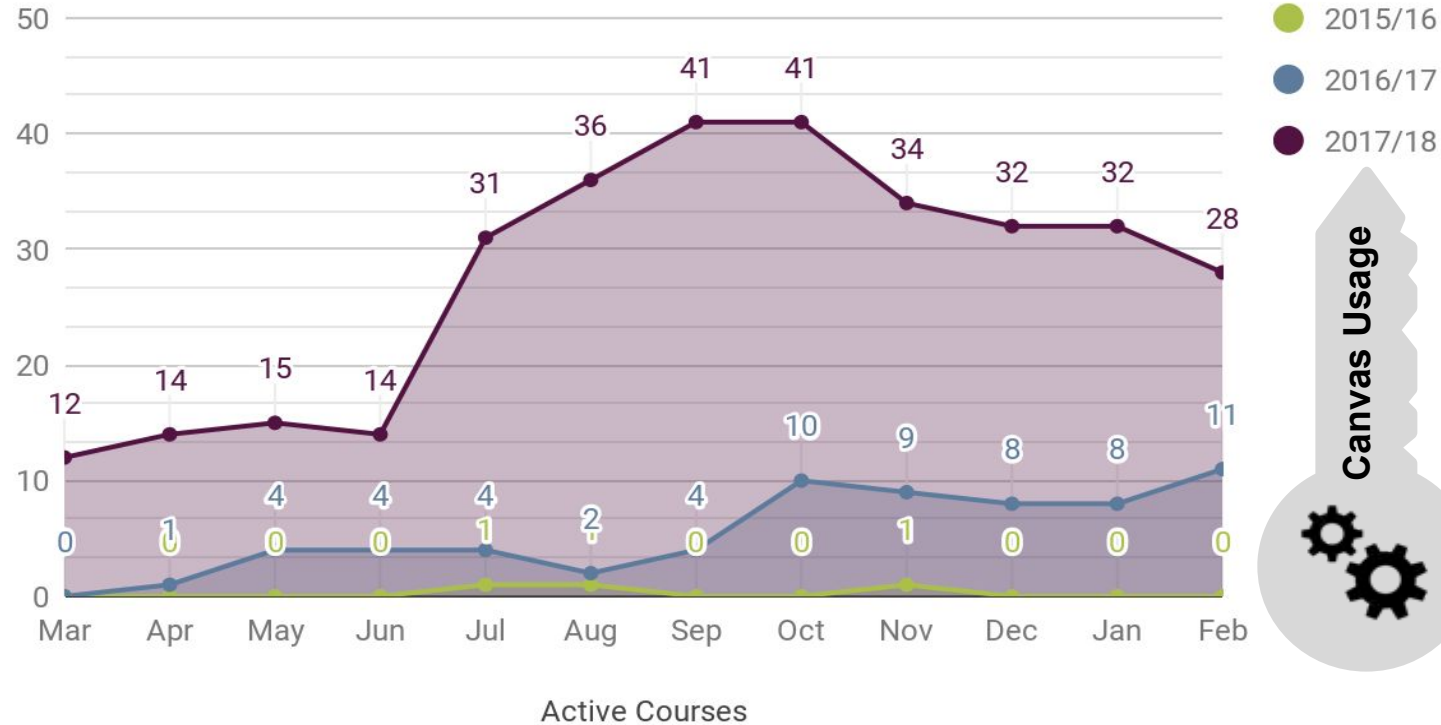


## OPL Champions

- K-3 Literacy
- Social Studies (SCI)
- Policy, Monitoring, & Audit (EC)
- World Languages (SCI)
- Supporting Teaching & Related services (EC Division)
- Educator Support Services
- Business, Finance, Information Technology, (CTE)



## NCDPI - ACTIVE Courses Over Time



# NCDPI - ACTIVE Users Over Time

