

Utilizing Micro-Credentials (Badges) for Student Learning and Staff Professional Development

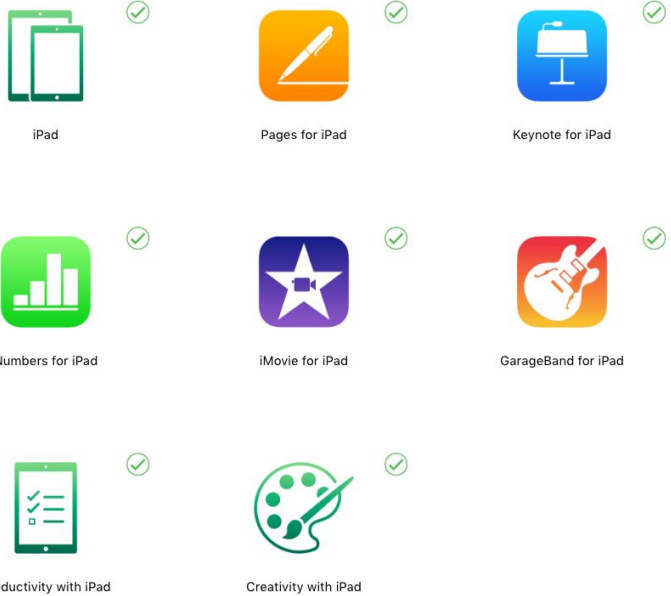
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HVTECHFESTIVAL
Technology Driven Economic Development

What Are Badges/Micro-credentials?

Badges for iPad



- Badges are electronic symbols that demonstrate that a user has mastered a challenge, task, activity and/or content.
- Corporations, Colleges, and K-12 school systems are all using badges for training and recognition purposes.



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Transforming Learning

- Using a library/website students and teachers can go to one place to complete various challenges to earn badges/micro-credentials.
- In Coxsackie-Athens we used the [OYO Class](#) computer science platform as a one stop source for all badges, not just computer science badges.



What is OYO Clas?

“OYO Class is a self led Computer Science/Engineering Learning Platform”

Using the OYO platform students and teachers have been able to earn digital badges, learn to code, and create a digital portfolio of their work.

<https://oyoclass.com/>



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What Are Students at C-A Doing With OYO?

- Developing their financial literacy skills
- Developing their life-ready skills
- Developing their coding skills
- Earning District-Wide and Classroom Badges
- Earning exciting learning opportunities
- Creating a digital portfolio for their schoolwork



Analytics:

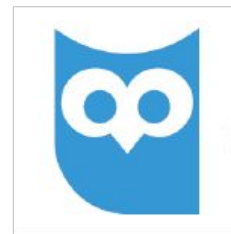
As of June 2018:

- 2,022 district/classroom badges earned by students
- 145 coding badges earned by HS students
- 340 coding badges earned by MS students
- 550 coding badges earned by Elem. students



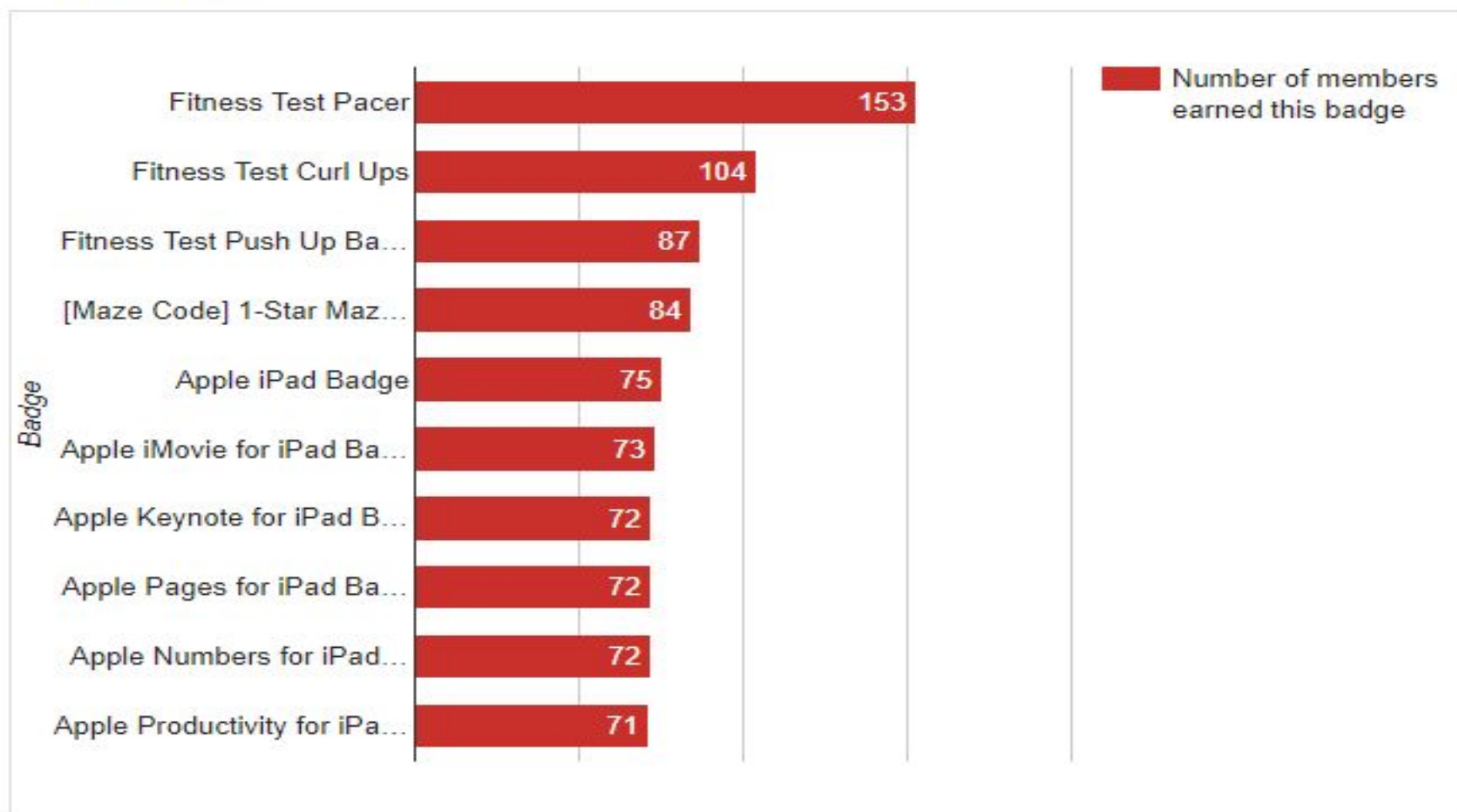


What Are Students at C-A Doing With OYO?



OYOCLASS

- Most popular badges





What Are Students in PE Doing With OYO?



OYOCLASS

C-A District

Home

Badges

Challenges

Courses

Apps

3215

Community

Mr. Kealy

Challenges

All

Physical Education

Behavior

Miscellaneous

Technology

Wellness

Math

Financial Literacy Level 1

Financial Literacy Level 2

Financial Literacy Level 3

Life Ready

Social Studies

Genius Bar

[« Back to Challenge Management](#)

Sailing Badge

Difficulty: ★★★★★☆ badge attached

Students must be a member of a competitive sailing club or have received sailing lessons.



[View details »](#)

2018 HS PE Winter Olympics Writing Sample

Difficulty: ★★★★★☆ badge attached

Write a two-page paper (double-spaced, size 12 font, using Google Doc) using the answers from the following questions to teach your readers ...



[View details »](#)

2018 HS Dodgeball Tournament

Difficulty: ★★☆☆☆☆ badge attached

This badge is earned if the student participates in the HS Dodgeball Tournament.



[View details »](#)

HS Fitness Center Participant- 10th Period

Difficulty: ★★★★★☆ badge attached

This badge is earned if the student participates in the HS Fitness Center during 10th period, five times during one quarter.



[View details »](#)

2018 HS Badminton Tournament Participant

Difficulty: ★★☆☆☆☆ badge attached

This badge is earned if the student participates in the HS PE Badminton Tournament.



[View details »](#)

2018 HS Table Tennis Tournament Participant

Difficulty: ★★☆☆☆☆ badge attached

This badge is earned if the student participates in the HS PE Table Tennis Tournament.



[View details »](#)

2018 Turkey Trot Participant





Teacher View (Badges pending approval)



Coxsackie-Athens
Indians

- Public Wall
- Users
- Courses
- Challenges**
- Badges
- Discussion
- Stories
- Pages
- Dashboard
- Announce
- Connection
- Apps

Manage Challenges

To take **240**

Category

Install

+ Create Challenge

Filter challenge by name

241 challenges

Unchecked solutions first

All challenges

Geography Badge

11 unchecked solutions

Mr. Herwick Created on 17 Feb '17, 13:46 Available for All members badge attached

Please identify the continents based on the numbers labeled on the map. Please identify the oceans based on the letters labeled on the map. ...

Check Solutions **11** Edit Visibility Publish to

100 Average Q3

11 unchecked solutions

Coach Davis Created on 16 Feb '18, 13:56 Available for Students only badge attached

Students must have 100% as their PE average for quarter 3.

Check Solutions **11** Edit Visibility Publish to

Perfect Attendance

9 unchecked solutions

Mrs. Collier Created on 17 Feb '17, 14:37 Available for All members badge attached

Must be in school for 1 month with no absence.

Check Solutions **9** Edit Visibility Publish to



C-A Student Digital Badges



How are digital badges connected to a student's future?

Students have skills and achievements beyond what shows up on their report card. Digital Badges are one way that Coxsackie-Athens Schools awards students credentials to recognize these strengths.



C-A Digital Student Badges



IMPACT:

Student Badges, and the evidence they contain, will be able to show colleges and employers the skills our students have beyond their report cards and standardized tests.



C-A Digital Student Badges



C-A currently has local badge opportunities that include life ready, financial literacy, and coding skills. Let's take a look at our Digital Badge Program

Website:

<https://sites.google.com/cacsd.org/badges/home?scrlybrkr=c1e9d07a>



Distinguished Program

Transforming Professional Development

- Recognizing staff members have varying degrees of skills and knowledge our leadership team wanted to give staff a choice of what they learned.
- We thought badges would be an innovative way of offering this choice, while still giving administration control of the content offered, and a method to track the work staff completed.



Distinguished Program

Transforming Professional Development

- Mother nature forced our hand to roll this out fast! Our district used too many snow days (one of which was a scheduled PD day)
- A traditional make-up day would have meant staff giving up a day during the scheduled spring recess. We rolled the program out and instructed staff they needed to complete 12 stars worth of work in order to not come in on the make up day. Essentially the district traded time for time.



The Results:

Badges for iPad



iPad



Pages for iPad



Keynote for iPad



Numbers for iPad



iMovie for iPad



GarageBand for iPad



Productivity with iPad



Creativity with iPad

In less than 3 weeks:

- Over 75 challenges were made available for teachers
- 1,246 attempts at challenges were made.
- 1,116 Badges were awarded
- 50 teachers became Apple Certified Teachers!



CACSD OYO PD Fast Facts!

Today:

Badges for iPad



iPad



Pages for iPad



Keynote for iPad



Numbers for iPad



iMovie for iPad



GarageBand for iPad



Productivity with iPad



Creativity with iPad

- Over 171 challenges have been made available for teachers
- 5,463 Badges have been awarded
- 140 staff members became Apple Certified Teachers!
- 68% of teachers completed Google Education Training and are prepared to take the Google Level 1 Certification Exam



CACSD Badging Program Honored: (1 of 8 schools in the nation)

**Coxsackie-Athens Central School District, NY –
Micro-credentials and Digital Badges for Personalized
Learning**



“The district has transformed their professional development system from seminars and conferences into a personalized, on-demand, micro-credentialing program - available to all district teachers online 24/7. Content is delivered in modules called challenges, that take from 30 minutes - 2 ½ hours to complete, after which the teacher receives a virtual badge. 100 modules, or challenges have already been created for teachers, and over 1,500 badges have been earned.”

Questions?



References

- Beacon City School District

<https://www.beaconk12.org/>

- Digital Promise

<https://digitalpromise.org/initiative/educator-micro-credentials/>



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