

Offline Tracker App

Atomic Jolt built the offline tracker for an organization that needs to track time that students spend on coursework outside of Canvas, oftentimes completely offline.

As part of this project Atomic Jolt also created a Caliper event collector that receives events from Canvas, the Offline Tracker, and the Big Blue Button conferencing tool.

Assigned Offline Activities

[New Assignment](#)

Assignment Name	Due Date			
Diaorama	Thu, May 11, 2019 @ 6:00pm			
3D Model of the Campus	Fri, May 20, 2019 @ 8:00pm			
Interview with Elon Musk	Fri, Jun 7, 2019 @ 12:00am			
Field Trip to the Hogle Zoo	Wed, Jun 15, 2019 @ 3:00pm			
Space Camp	Mon, Jul 17, 2019 @ 8:00pm			

1. Teacher View

The teacher is looking at the Assigned Offline Activities list. In order to create a new assignment, the teacher clicks New Assignment.

Assigned Offline Activities

Assignment Name

Diaorama

3D Model of the C

Interview with Elo

Field Trip to the H

Space Camp

New Assignment

New Assignment

Name

Fall Science Project

Due Date

May 5, 2019 @ 8:00pm

Description

Advertisers are always touting more powerful and longer lasting batteries, but which batteries really do last longer, and is battery life impacted by the speed of the current drain? This project looks at which AA battery maintains its voltage for the longest period of time in low, medium, and high current drain devices.

Available At

April 20, 2019 @ 12:00pm

Available Until

May 6, 2019 @ 12:00pm

Suggested Duration (hr)

6

Suggested Duration (min)

min

Points

5

 Allow evidence

Cancel

Create

2. Teacher View

In the New Assignment dialog, the teacher fills out the form and clicks Create.



Account



Admin



Dashboard



Courses



Calendar



Inbox



Commons



Help

Home

Announcements

Assignments

Discussions

Grades

People

Pages

Files

Syllabus

Outcomes

Offline Activities

Modules

Conferences

Collaborations

Settings

Assigned Offline Activities

New Assignment



Assignment Name	Due Date			
Fall Science Project	Mon, May 5, 2019 @ 8:00pm			
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3. Teacher View

The new assignment, Fall Science Project, now shows up in the list of Assigned Offline Activities and in the Canvas assignment list.



Account



Dashboard



Courses



Calendar



Inbox



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Pages

Offline Activities

Modules

Search

Fall Science Project

Due Date:

May 5, 2019 @ 8:00pm

Suggested Duration:

6 hours

Advertisers are always touting more powerful and longer lasting batteries, but which batteries really do last longer, and is battery life impacted by the speed of the current drain? This project looks at which AA battery maintains its voltage for the longest period of time in low, medium, and high current drain devices.

[Add Time](#)

Evidence

[Add Evidence](#)

4. Student View

The student views the assignment the teacher made. The student clicks Add Time to log time they have spent on the assignment.



Account



Dashboard



Courses



Calendar



Inbox



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Home

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People

Pages

Offline Activities

Modules

Search

Fall Science Project

Due Date:

May 5, 2019 @ 8

Advertisers are always
which batteries really
of the current drain?
voltage for the longer
devices.

Add Time

Evidence

New Entry



Start Time

May 1, 2019 @ 1:00pm

Time Spent (hr)

5 h

Time Spent (min)

min

Description of Activity (Optional)

I formed my hypothesis, did the experiment, and then worked on the written report. I just need to finish the report and then I'll be done.

By clicking "Submit Time", I certify that this represents actual time that I worked.

Cancel

Submit Time

Add Evidence

5. Student View

In the New Entry dialog, the student fills out the form and clicks Submit Time.

- Account
- Dashboard
- Courses
- Calendar
- Inbox
- Help

- Home
- Assignments
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Fall Science Project

Total Time Spent
5 hours

Due Date:
May 5, 2019 @ 8:00pm

Suggested Duration:
6 hours

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Start Time	Time Spent	Description	Status
May 1, 2019 @ 1:00pm	5h	I formed my hypothesis, did the experiment, and then worked on the written report. I just need to finish the report and then I'll be done.	Submitted

[Add Time](#)

Evidence

[Add Evidence](#)

[me-testing-batteries.jpg](#)

6. Student View

The students time entry has been added to the assignment with the status of submitted. They can also choose to edit or delete their entry. To add pictures or files related to the assignment, the can click Add Evidence.

- Account
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- Offline Activities**
- Modules
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Assigned Offline Activities

New Assignment

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7. Teacher View

Back at the Offline Tracker, the teacher clicks on the inbox icon to view time that students have logged.

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Offline Activities Inbox



Bulk Actions All Students

<input type="checkbox"/>	Student	Assignment/Activity Name	Activity Type	Start Time	Time Spent	Approved Time	Suggested Time	
Tue, May 1, 2019								
<input type="checkbox"/>	Joel Duffin	Fall Science Project	Assigned	1:00pm	5h	5h <input type="text" value=""/> min	3h	<input checked="" type="checkbox"/> <input type="checkbox"/>
	I formed my hypothesis, did the experiment, and then worked on the written report. I just need to finish the report and then I'll be done.							
	Heather Fuller	Fall Science Project	Test Prep	10:30am	6h	Rejected 01/04/19	-	<input type="checkbox"/>
	I setup all the stuff for the project and then did the experiment. I don't have any pictures though.							
	Brandon Findlay	3D model of the Campus	Assigned	10:20am	4h	Approved (3h 30m) 01/04/19	10h	<input type="checkbox"/>
	I did some research on some of the buildings to make them more accurate.							
Mon, Apr 30, 2019								
<input type="checkbox"/>	Joseph Ditton	3D model of the Campus	Assigned	3:00pm	4h 11m	hr <input type="text" value=""/> min	10h	<input checked="" type="checkbox"/> <input type="checkbox"/>
	I started assembling my buildings on a big board							
<input type="checkbox"/>	Heather Fuller	3D model of the Campus	Assigned	11:55am	11h	hr <input type="text" value=""/> min	10h	<input checked="" type="checkbox"/> <input type="checkbox"/>
	I built and finished the entire model and added some trees and details							
<input type="checkbox"/>	David Spencer	Space Camp	OHDELA Sponsored Fiel...	10:00am	12h 30m	hr <input type="text" value=""/> min	-	<input checked="" type="checkbox"/> <input type="checkbox"/>
	I wrote my summary of the camp							

8. Teacher View

In the Offline Activities Inbox, the teacher approves the entry by clicking the check mark icon. Optionally, they can revise how much time to approve or reject an entry completely.

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Offline Activities Inbox

Bulk Actions ▾

All Students

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I built and finished the entire model and added some trees and details								
<input type="checkbox"/>	David Spencer	Space Camp	OHDELA Sponsored Fiel...	10:00am	12h 30m	hr min	-	
I wrote my summary of the camp								

9. Teacher View

The student's entry now shows that it was approved, when it was approved, and how much time was approved. The teacher may revise their action by clicking the pencil icon.

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Fall Science Project

Total Time Spent
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Start Time	Time Spent	Description	Status
May 1, 2019 @ 1:00pm	5h	I formed my hypothesis, did the experiment, and then worked on the written report. I just need to finish the report and then I'll be done.	✔ Approved (5h) (05/04/19)

[Add Time](#)

Evidence

[Add Evidence](#)

[me-testing-batteries.jpg](#)

10. Student View

If the student visits the assignment later, they can see that their time entry is now approved and they can no longer edit or remove it.



Atomic Jolt designed, built, and went to production with the Offline Tracker app in 2 months. By leveraging the Atomic Jolt open source LTI starter app, they were able to rapidly develop to the client's specifications.