



# Pearson System of Courses

## Deploy with Mobile Device Management

### AirWatch for iOS

# Table of Contents

<b>Deployment Process Overview</b>	<b>3</b>
Pearson System of Courses App Considerations	3
Pearson System of Courses Content Considerations	3
<b>Recommendations and Assumptions</b>	<b>5</b>
<b>Process</b>	<b>6</b>
<b>Pearson System of Courses Deployment Preparation</b>	<b>6</b>
Supervise Devices	6
Apple Device Enrollment Program and AirWatch (Recommended)	6
Apple Configurator 2 and AirWatch	6
Set Up Pearson System of Courses App	6
Set Up App for VPP (Recommended)	7
Link VPP to Your MDM Solution	8
Set Up App in MDM with VPP	9
Set Up App for Apple ID	11
Set Up App in MDM	11
Profiles Impacting Pearson System of Courses App Deployment	13
<b>Pearson System of Courses Deployment</b>	<b>16</b>
Install Pearson System of Courses App	16
Recommended: Supervised and VPP	16
Supervised and No VPP	16
Unsupervised and VPP	17
Unsupervised and No VPP	19
Transfer Pearson System of Courses Content	20
Over the Air Fully (2-12 Pearson System of Courses App)	20
Over the Air (K-1 Pearson System of Courses App)	22
Transfer Content Using Sideload	23
<b>Update the Pearson System of Courses App</b>	<b>27</b>
Update a VPP-deployed App	27
Update a Non-VPP App	28
<b>Uninstall the Pearson System of Courses App</b>	<b>29</b>
Uninstall a VPP App	29
Uninstall a Non-VPP App	29

# Deployment Process Overview

AirWatch is a Mobile Device Management tool that allows for administration and management of large numbers of iOS devices, such as iPads. The software helps IT admins maintain, update, and ensure their fleet of Apple devices are running at optimal performance, from automated software updates, to security, to inventory.

In order to leverage AirWatch to deploy the Pearson System of Courses app, there are two important considerations: how to deploy the Pearson System of Courses app and how to deploy the Pearson System of Courses content.

## Pearson System of Courses App Considerations

In order to streamline the deployment of the Pearson System of Courses app, there are two key enablers: Supervising your devices, and enrolling in the Volume Purchase Program (VPP). Supervising an iPad gives you greater control over the device, allows you to better manage large numbers of iPads simultaneously, and prevents the user from removing any settings you apply or apps you deploy to the user devices. Enrolling in VPP allows you to distribute apps in volume without using an Apple ID.

The recommendation is to leverage both VPP and Supervision to enable a zero touch deployment of the Pearson System of Courses app as detailed in Table 1 below:

Supervised?	VPP?	App Install Behavior
Yes	Yes	Zero touch app install
Yes	No	Apple ID login prompt
No	Yes	Manual enrollment in MDM install ipp MDM prompt
No	No	Manual enrollment in MDM Install app MDM prompt Apple ID login prompt

Table 1

## Pearson System of Courses Content Considerations

The Pearson System of Courses content can be deployed over the air (refer to Figure 1) or by sideloading (refer to Figure 2). The recommendation is to use over the air because it is a

more scalable process and requires less active time during deployment.

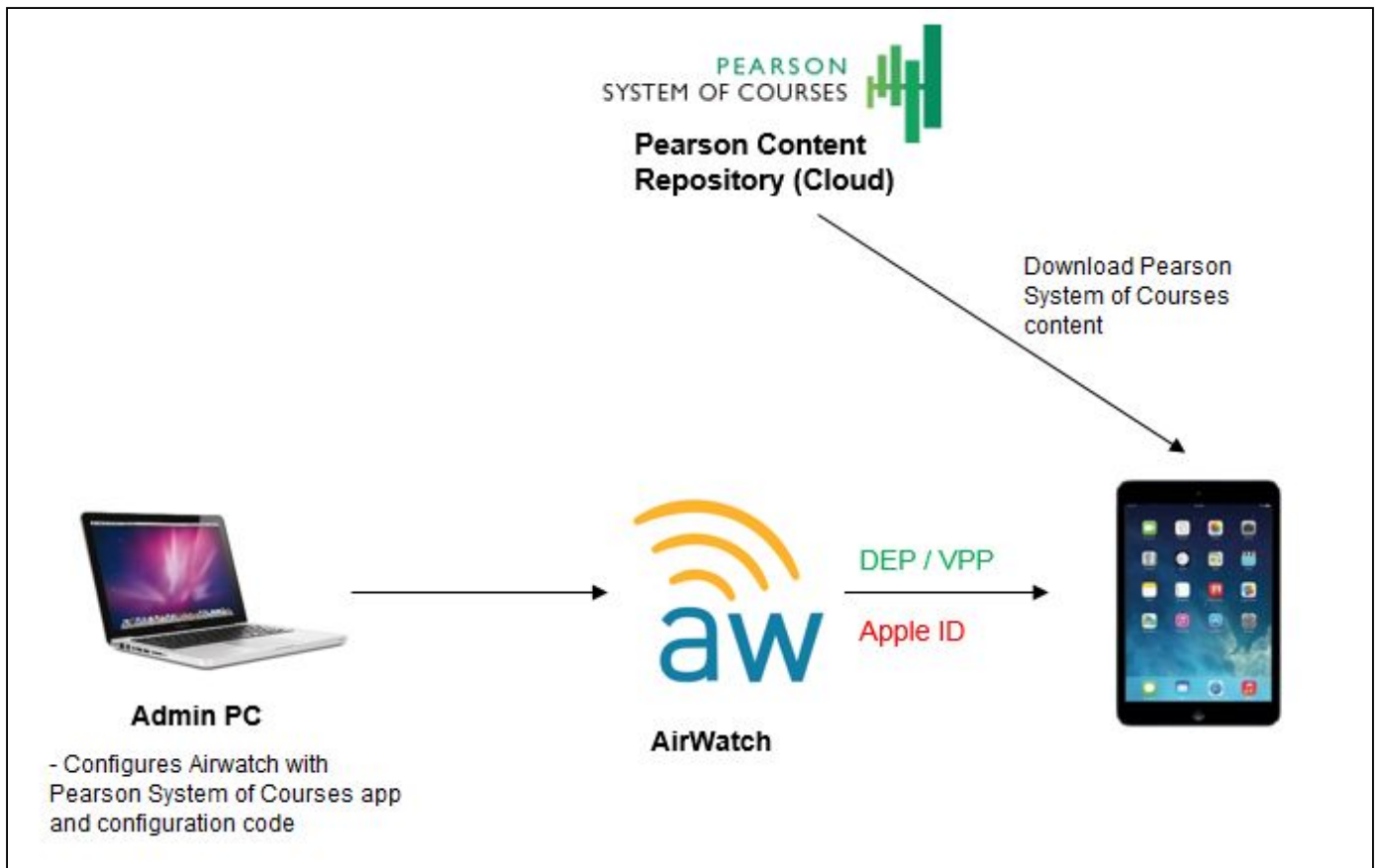


Figure 1

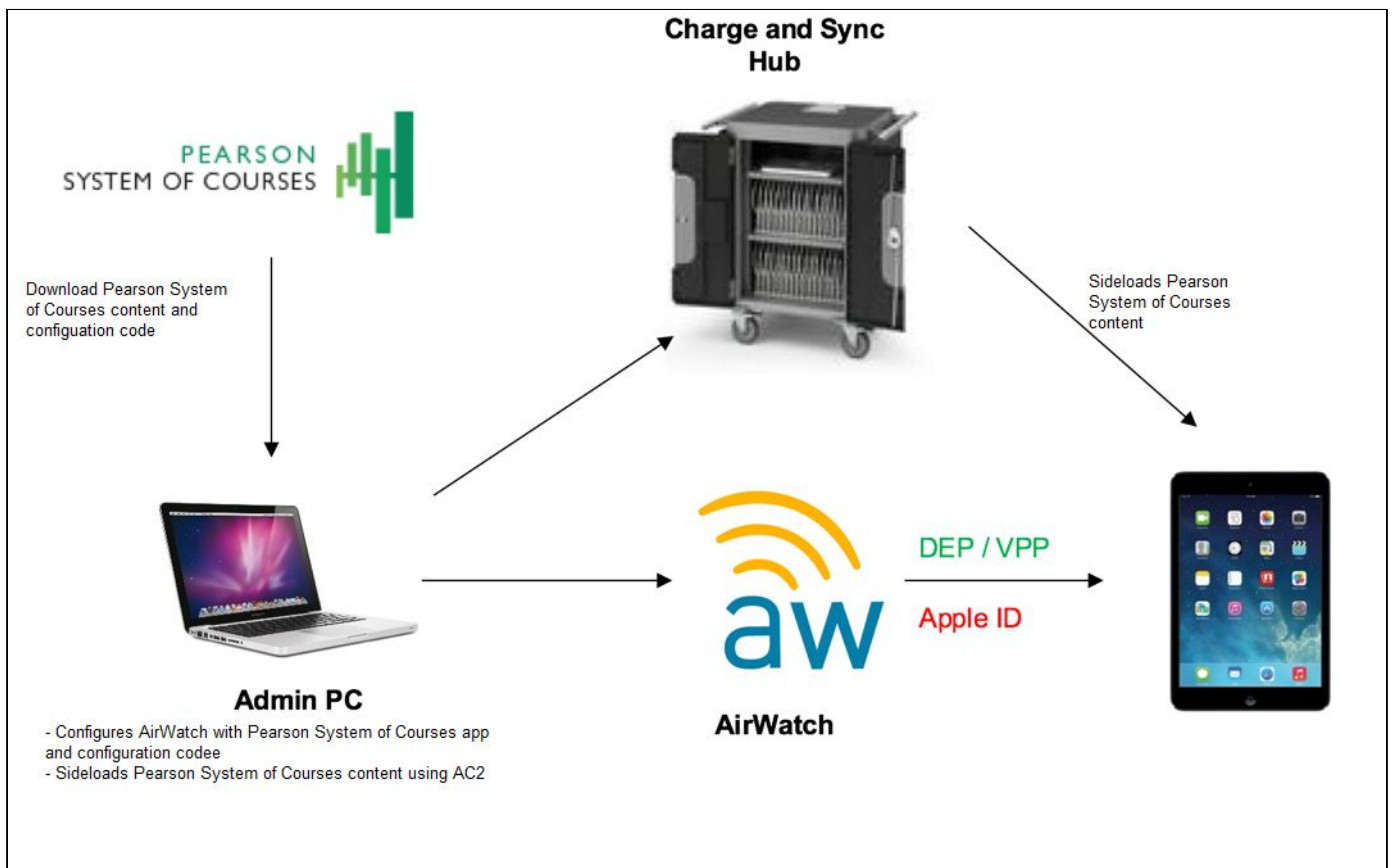


Figure 2

# Recommendations and Assumptions

To enable this process, the following recommendations should be met:

- Strong network connectivity recommended for enabling Over the Air deployment of Pearson System of Courses content
- Apple Volume Purchase Program Account with all user Apple IDs enrolled (Recommended)  
or access to all user Apple IDs (Not recommended)
- iPads are supervised via Device Enrollment Program or Apple Configurator 2

This process was created with the following assumptions:

- AirWatch v 8.3.6.0 or higher
- iOS 10.x or higher
- OSX El Capitan (required to run Apple Configurator 2 for side loading)

# Process

## Pearson System of Courses Deployment Preparation

### Supervise Devices

Supervising a device enables the deployment of the Pearson System of Courses App without administrator interaction.

There are two ways to supervise a device: through Apple's Device Enrollment Program (DEP) or through Apple Configurator 2 (AC2). The DEP route is recommended because this requires less setup time.

### *Apple Device Enrollment Program and AirWatch (Recommended)*

Apple DEP automatically enrolls district owned iPads into your AirWatch instance out of the box. By leveraging DEP, iPads are supervised and the Mobile Device Management configuration cannot be removed. Configure Apple DEP with AirWatch by searching for **VMware AirWatch Guide for the Apple Device Enrollment (DEP) Program** on myAirWatch.

### *Apple Configurator 2 and AirWatch*

Apple Configurator 2 is a utility which allows you to mass configure iPads over USB. To enable supervision, iPads must be factory reset. Configure AirWatch and Apple Configurator 2 by searching for **VMware AirWatch Integration with Apple Configurator 2 Guide** on myAirWatch.

### Set Up Pearson System of Courses App

The Pearson System of Courses app is available in the public Apple App Store.

To seamlessly deploy the app, follow the [Set Up App for VPP \(Recommended\)](#) instructions below.

**Note:** You must have a VPP account to use this method.

Or, to deploy the app without VPP, you must login to every device with an Apple ID to download the Pearson System of Courses App. Follow the [App Setup for Apple ID](#) instructions below.

## Set Up App for VPP (Recommended)

Visit the Apple Volume Purchase Program to purchase the number of licenses you need for mass deployment.

1. Navigate to <https://vpp.itunes.apple.com/>.
2. Login using your Apple Deployment Program Account. Refer to Figure 3.

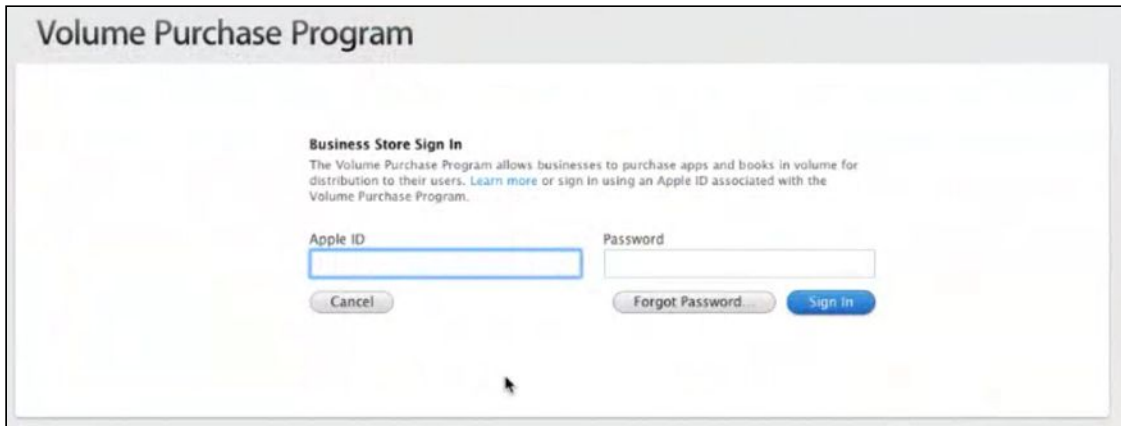


Figure 3

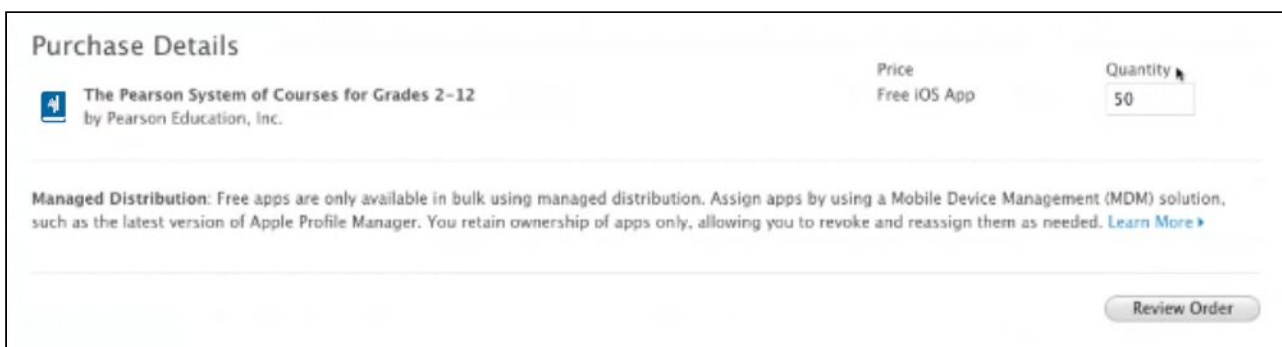
3. Search for 'Pearson System of Courses'. Refer to Figure 4.




Name	Developer	Category	Released/Updated	Price
 The Pearson System of Courses for Grades 2-12	Pearson Education, Inc.	Education	04/01/15	Free

Figure 4

4. Click **Pearson System of Courses**.
5. Enter a **Quantity**.
6. Click **Review Order**. Refer to Figure 5.



**Purchase Details**

 The Pearson System of Courses for Grades 2-12 by Pearson Education, Inc.

Price: Free iOS App      Quantity: 50

**Managed Distribution:** Free apps are only available in bulk using managed distribution. Assign apps by using a Mobile Device Management (MDM) solution, such as the latest version of Apple Profile Manager. You retain ownership of apps only, allowing you to revoke and reassign them as needed. [Learn More](#)

[Review Order](#)

Figure 5

1. Make sure **Distribution Type** is set to **Managed Distribution** on the Purchase

Details screen.

7. Click **Place Order**. Refer to Figure 6.

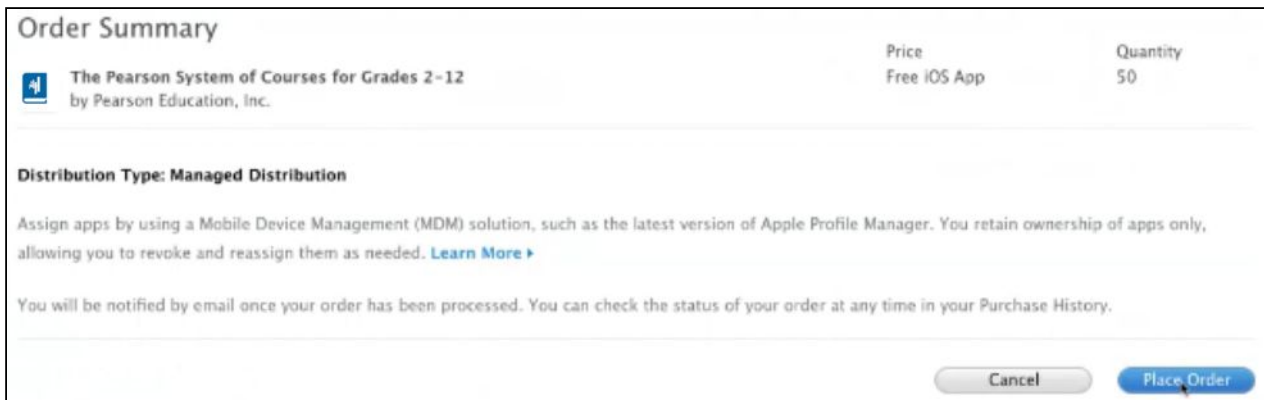


Figure 6

## Link VPP to Your MDM Solution

1. Navigate to <https://vpp.itunes.apple.com/>.
2. Login using your Apple Deployment Program Account.
3. Click **Account Summary**. Refer to Figure 7.

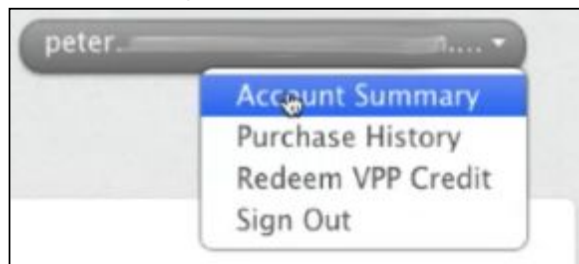


Figure 7

4. Click **Download Token**. Refer to Figure 8.

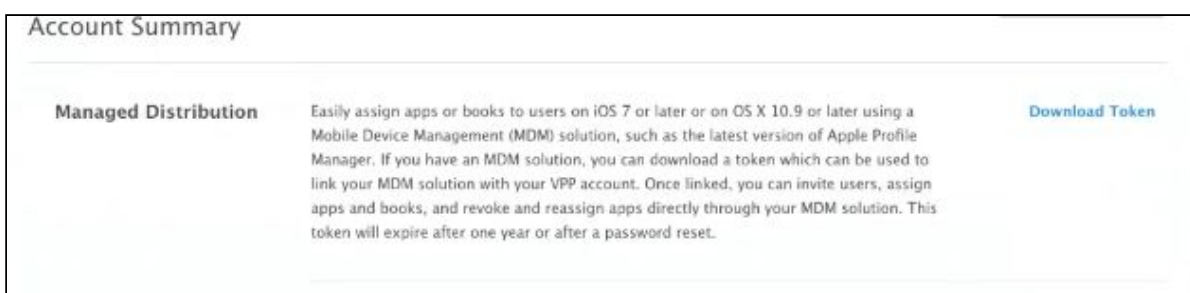


Figure 8

5. Navigate to and log into your AirWatch Console.
6. Click **Groups & Settings**.
7. Click **All Settings**.
8. Under Apps, click **Catalog**.
9. Click **VPP Managed Distribution**.
10. Upload VPP Token, browse for and upload the .vpptoken file downloaded from Apple in a previous step.



## Set Up App in MDM with VPP

1. Navigate and login to AirWatch Console.
2. Click **Apps & Books** on the left panel.
3. Click the **Purchased** tab.
4. Click **Sync Assets**. Refer to Figure 9.

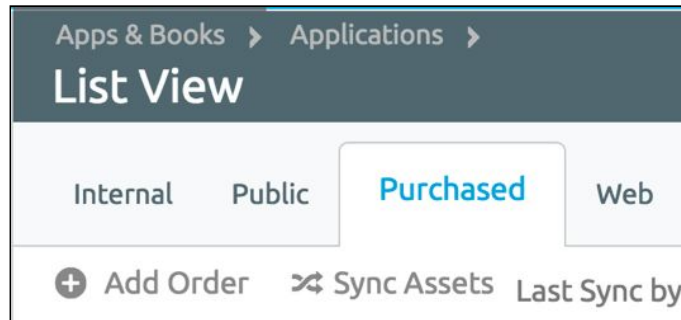


Figure 9

5. It will take a few minutes for your VPP purchased apps to populate.
6. Click **Edit Assignment** next to the Pearson System of Courses App. Refer to Figure 10.

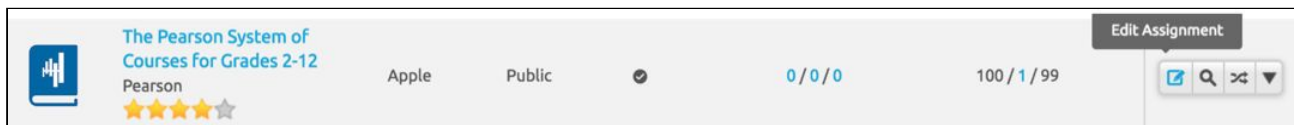


Figure 10

7. Click **Device Based Assignment** in order to deploy without an Apple ID. Refer to Figure 11.

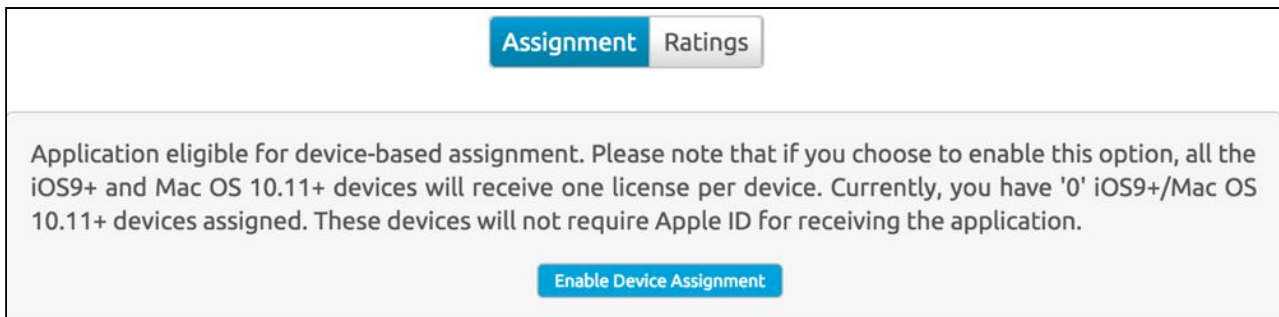


Figure 11

8. Hover over **Add Assignment By** and click **License Codes by Smart Group**. Refer to Figure 12.

**ASSIGNMENT**

Assignment for License Codes can be done by Smart Groups only  
 Add groups to assign your 10 remaining license(s).

[Create New Smart Group](#)

+ Add Assignment By

[License Codes By Smart Group](#)

Licenses on hold \*

Figure 12

9. Click on the textbox that says **Select Smart Group** and enter the name of a smart group you wish to associate the Pearson System of Courses app with.
10. Under **Allocated** enter the amount of License Codes for the Pearson System of Courses app you wish to allocate to the particular smart group assigned. Refer to Figure 13.

**ASSIGNMENT**

Assignment for License Codes can be done by Smart Groups only

Active	Assignment Group (Org Group / Smart Group)	Devices	Allocated	Redeemed	
<input checked="" type="checkbox"/>	Grade 6 License Codes By Smart Group <a href="#">Create New Smart Group</a>	<input type="text" value="0"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="button" value="✕"/>

+ Add Assignment By

Licenses on hold \*

Figure 13

11. Under Deployment: Set Assignment Type to **Auto** to enable automatic deployment of the Pearson System of Courses app upon enrollment.
12. Check **Send Application Configuration**, and click **Add**.
13. Under Configuration Key, input: EnvironmentIdentifier.
14. Under Configuration Value, input your Pearson provided Pearson System of Courses configuration code. Refer to Figure 14.

**DEPLOYMENT**

Assignment Type 1

Remove On Unenroll 2

Prevent Application Backup

Make App MDM Managed if User Installed  ⓘ iOS 9+

Use VPN

Send Application Configuration

Application Configuration

Configuration Key	Value Type	Configuration Value
EnvironmentIdentifie	String	CONFIGCODE <input type="text"/> <input type="button" value="✕"/> <input type="button" value="+ Insert Lookup Value"/>

Figure 14

## Set Up App for Apple ID

If you are not following the [Setup App for VPP](#) steps, then please follow these steps below to complete the app setup using Apple ID,

### Set Up App in MDM

1. Navigate and login to AirWatch Console.
2. Click **Apps & Books** on the left panel.
3. Click the **Public** tab.
4. Click **Add Application**. Refer to Figure 15.

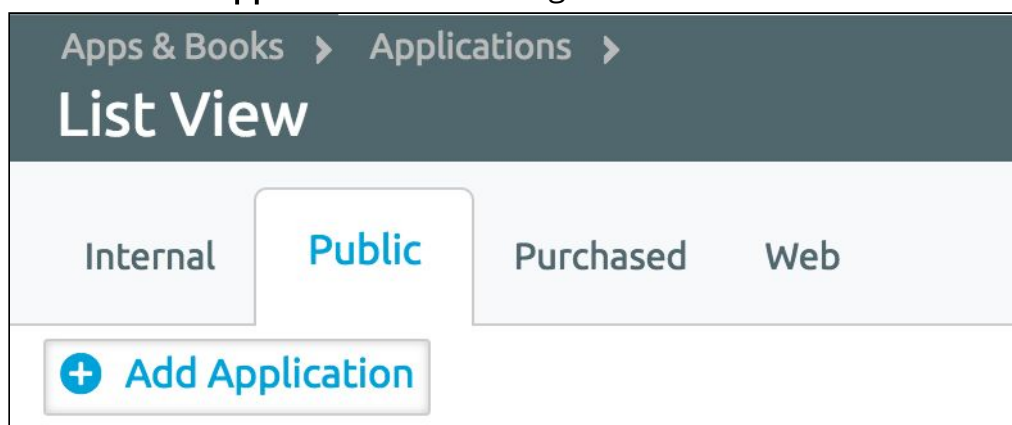
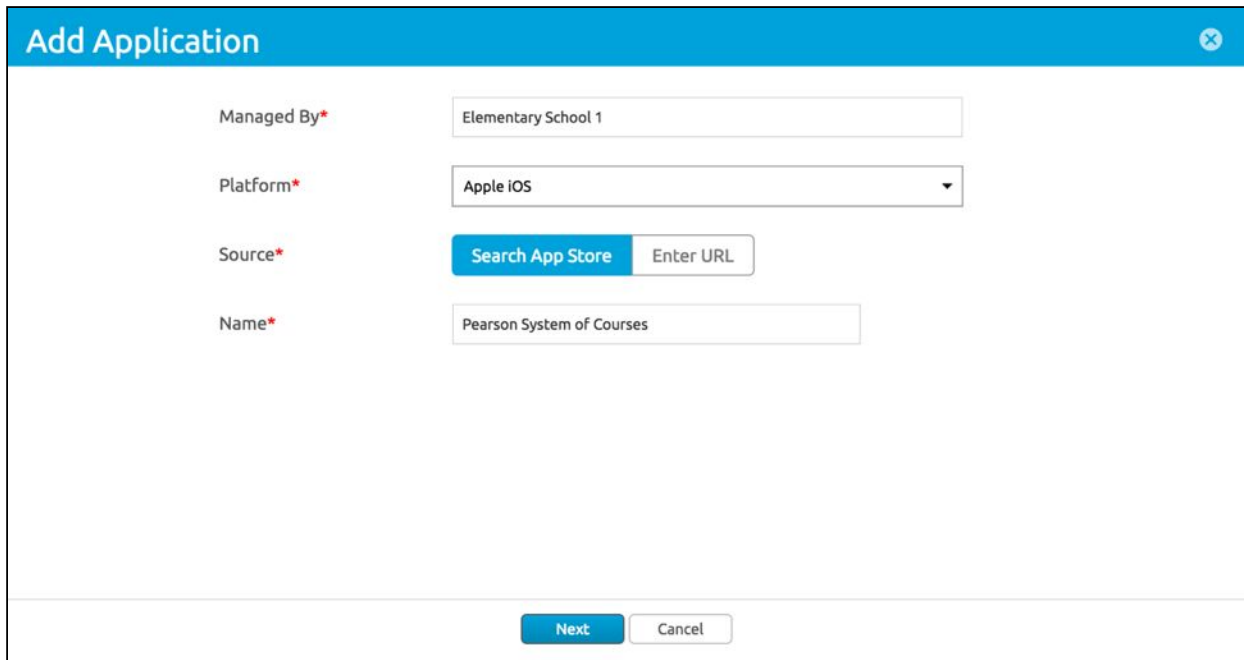


Figure 15

5. In Managed By, input the **Organization Group** used to manage this app.
6. In Platform select **Apple iOS**.

7. In Name, input Pearson System of Courses and click **Next**. Refer to Figure 16.



**Add Application**

Managed By\* Elementary School 1

Platform\* Apple iOS

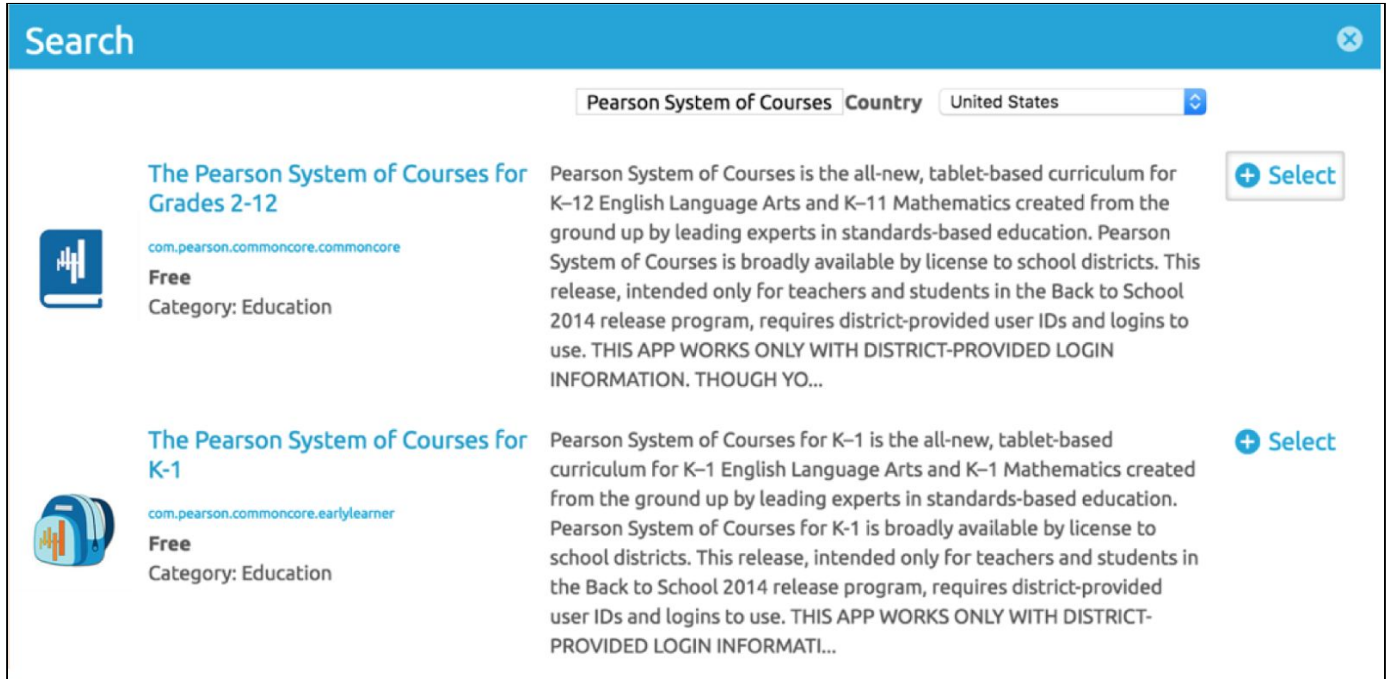
Source\* Search App Store Enter URL

Name\* Pearson System of Courses

Next Cancel

Figure 16

8. Click **Select** next to the Pearson System of Courses app that you wish to deploy (2-12 or K-1). Refer to Figure 17. Note if you are using both Pearson System of Courses apps then repeat this process to add another application.



**Search**

Pearson System of Courses Country United States

**The Pearson System of Courses for Grades 2-12**  
com.pearson.commoncore.commoncore  
Free  
Category: Education  
Pearson System of Courses is the all-new, tablet-based curriculum for K-12 English Language Arts and K-11 Mathematics created from the ground up by leading experts in standards-based education. Pearson System of Courses is broadly available by license to school districts. This release, intended only for teachers and students in the Back to School 2014 release program, requires district-provided user IDs and logins to use. THIS APP WORKS ONLY WITH DISTRICT-PROVIDED LOGIN INFORMATION. THOUGH YO...  
+ Select

**The Pearson System of Courses for K-1**  
com.pearson.commoncore.earlylearner  
Free  
Category: Education  
Pearson System of Courses for K-1 is the all-new, tablet-based curriculum for K-1 English Language Arts and K-1 Mathematics created from the ground up by leading experts in standards-based education. Pearson System of Courses for K-1 is broadly available by license to school districts. This release, intended only for teachers and students in the Back to School 2014 release program, requires district-provided user IDs and logins to use. THIS APP WORKS ONLY WITH DISTRICT-PROVIDED LOGIN INFORMATI...  
+ Select

Figure 17

9. Click **Assignments** tab.
10. In Assigned Smart Groups input the Smart Group you wish to associate the Pearson System of Courses app with. Refer to Figure 18.

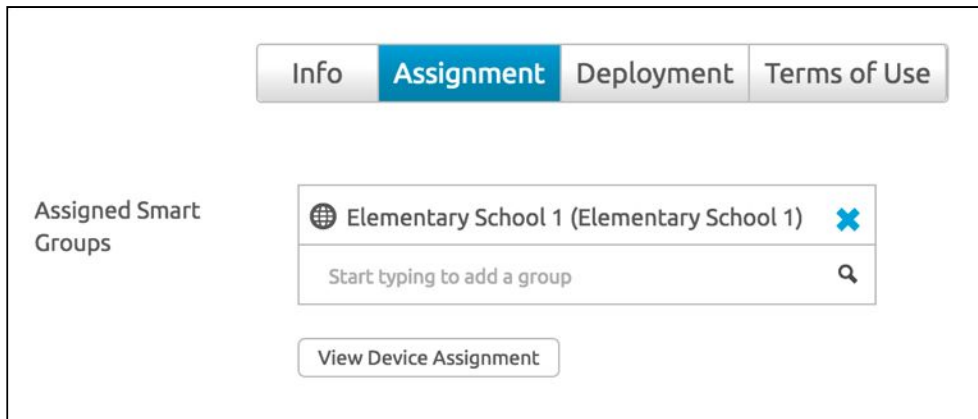


Figure 18

11. Click **Deployment** tab.
12. Change Push Mode to **Auto** to enable automatic deployment of the Pearson System of Courses App upon enrollment.
13. Check **Send Application Configuration**, and click Add.
14. Under Configuration Key, input: EnvironmentIdentifier.
15. Under Configuration Value, input your Pearson provided Pearson System of Courses configuration code. Refer to Figure 19.

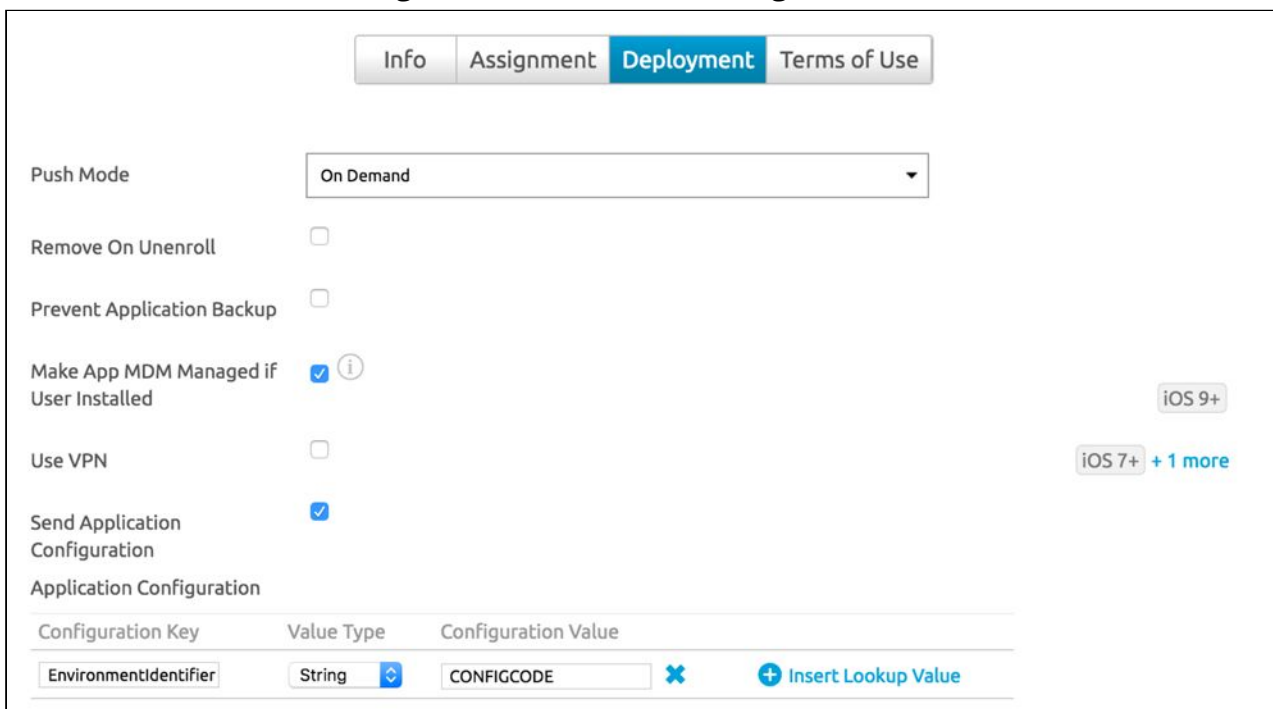


Figure 19

16. Click **Save & Publish**.

## Profiles Impacting Pearson System of Courses App Deployment

Certain iOS restrictions impact the deployment of the Pearson System of Courses app. Ensure your AirWatch Device Profile Restrictions are configured properly:

1. Navigate and login to AirWatch Console.
2. Click **Devices**. Click **Profiles**. Click **List View**.
3. Find your already deployed profile(s) and click **Edit** (pencil icon). Refer to Figure 20.

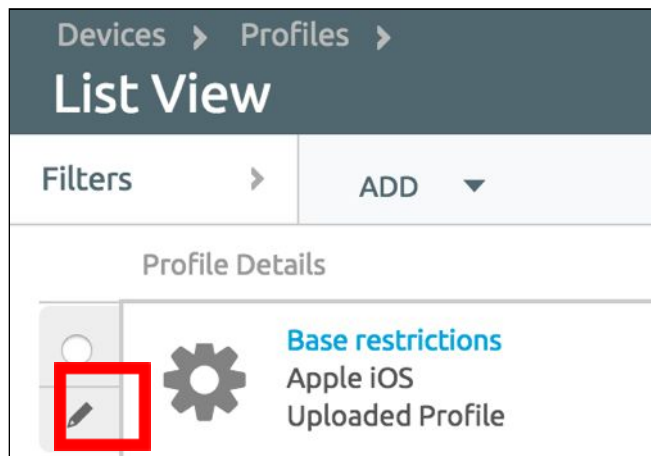


Figure 20

4. Click **Add Version** on the bottom, then click **Restrictions** on the left, and click **Configure**. Refer to Figure 21.

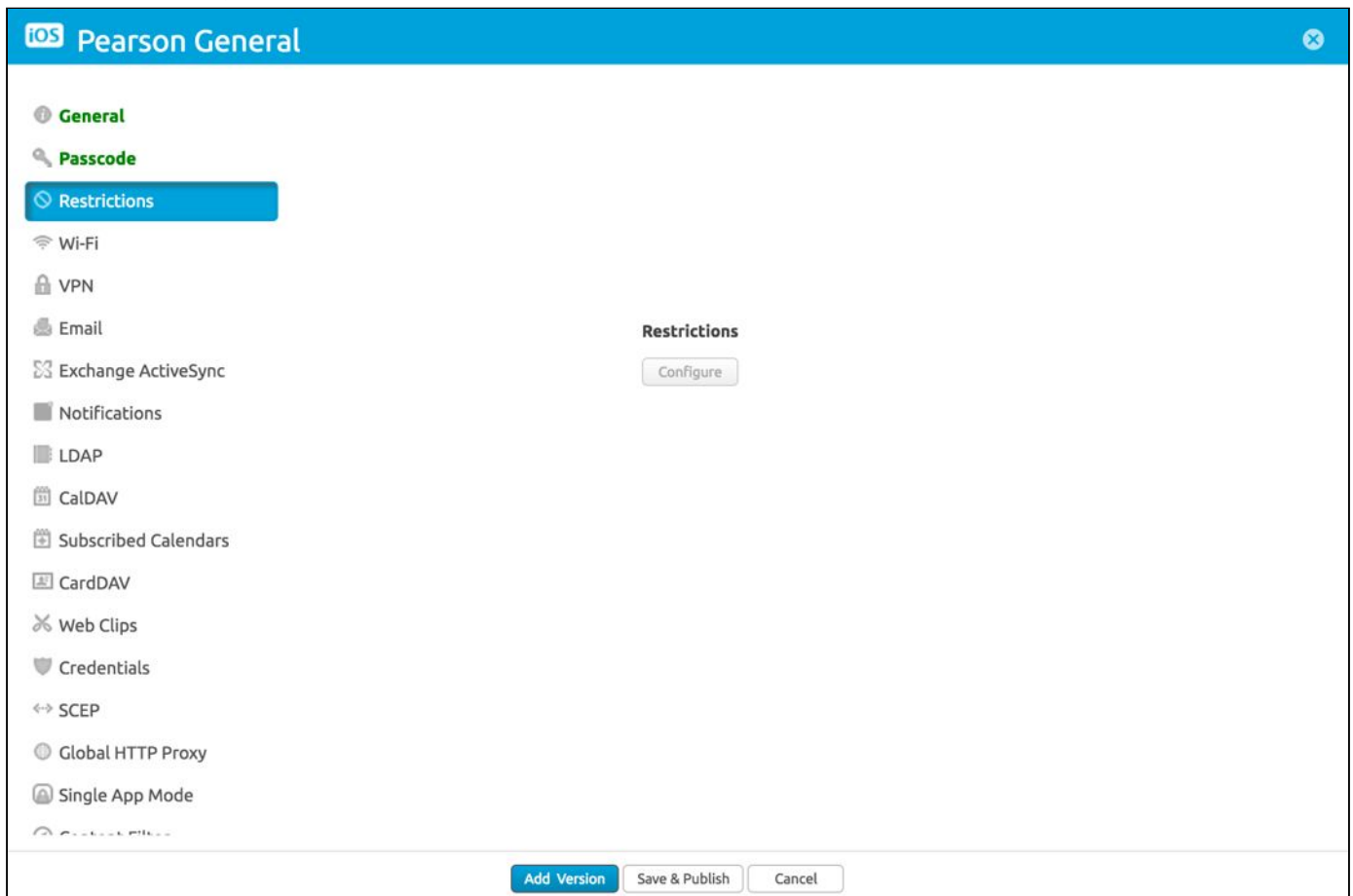


Figure 21

5. Ensure the restrictions below are configured to their default settings. Refer to Table 2.

Restriction	Setting	Comment
Allow installing apps using Apple Configurator 2 and iTunes	✓	To allow break fix scenarios using Apple Configurator 2
Require iTunes password for all purchases	✗	This will prompt for an Apple ID login even when using VPP if turned on
Allow trusting new enterprise app authors	✓	If using an in-house IPA that needs to be trusted before running
Allow modifying device name (Supervised only)	✓	In order to change device name for inventory/organizational purposes
Allow pairing with non-Configurator hosts (Supervised only)	✓	To allow break fix scenarios using computers other than the Apple Configurator Mac

*Table 2*

6. Click **Save & Publish**.

# Pearson System of Courses Deployment

In the deployment phase, there are two main steps: installing the Pearson System of Courses app and transferring the Pearson System of Courses content.

## Install Pearson System of Courses App

Depending on your supervision state and whether the app is deployed with VPP, there are various expected behaviors when installing Pearson System of Courses.

### *Recommended: Supervised and VPP*

1. Activate devices (turn on new devices; or restore old devices).
2. When prompted, on the iPad(s) login using AirWatch credentials or follow prompts to complete setup with Apple Configurator 2. Refer to Figure 22.

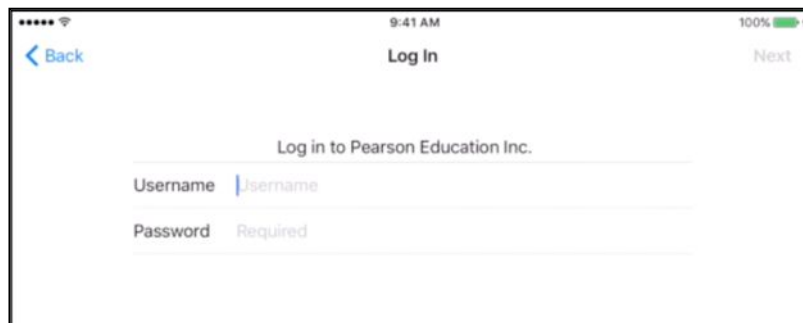


Figure 22

3. Activate iPad.
4. Pearson System of Courses app starts downloading automatically and installs onto the devices with zero touch.

### *Supervised and No VPP*

1. Activate devices (turn on new devices; or restore old devices).
2. When prompted, on the iPad(s) login using AirWatch credentials or follow prompts to complete setup with Apple Configurator 2. Refer to Figure 23.

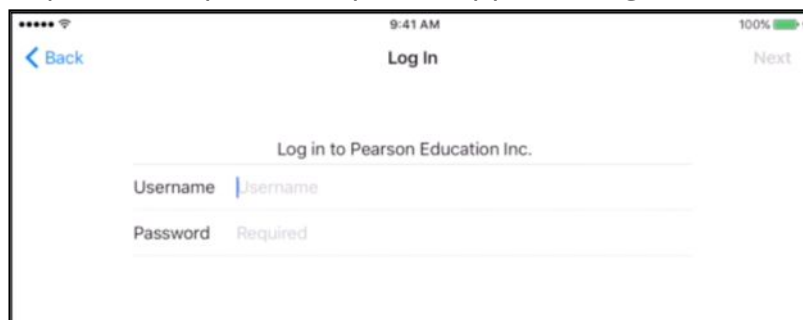


Figure 23

3. iTunes login prompt appears, login using Apple ID for user device. Refer to Figure 24.



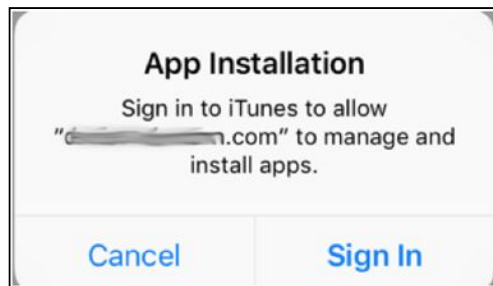


Figure 24

The Pearson System of Courses app should now be installed.

### *Unsupervised and VPP*

1. On the device, launch the App Store.
2. In the search bar type **AirWatch Agent** and click Search.
3. Click **Get** and click **Install**.
4. Sign in to iTunes Store if prompted.
5. After AirWatch Agent finishes installing, click **Open**.
6. Click **Server Details**. Refer to Figure 25.

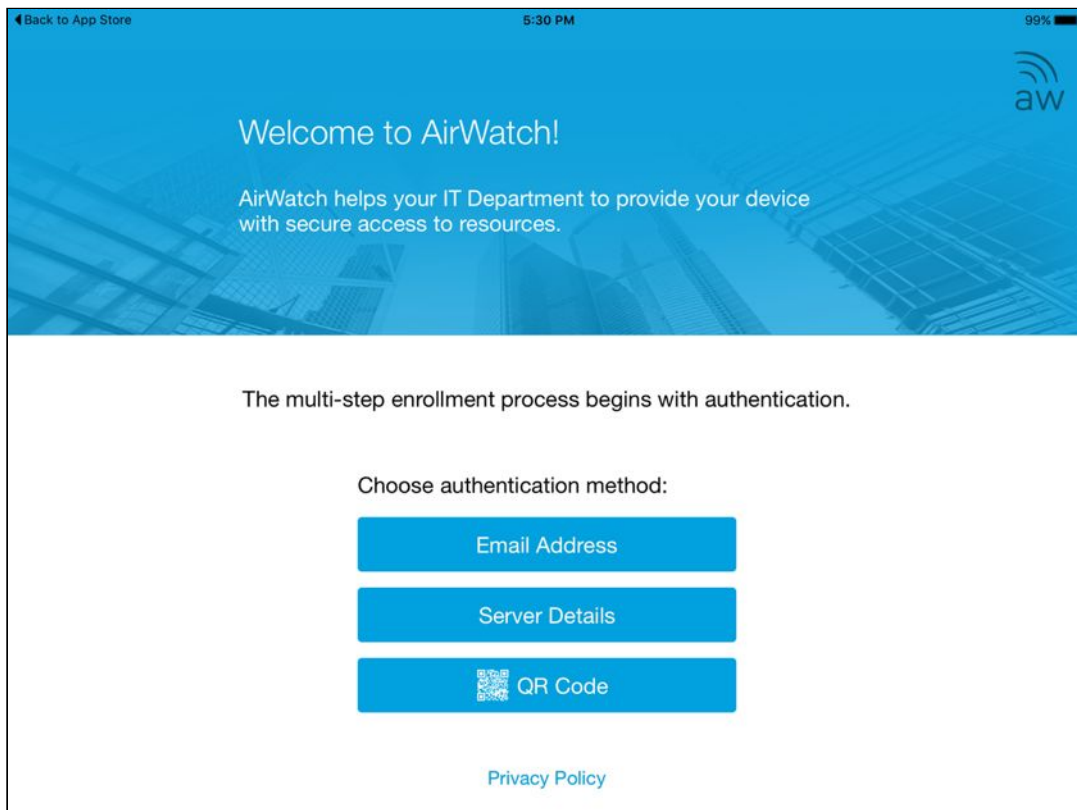


Figure 25

7. Enter your **Server URL** and **Group ID** that you wish to associate with.
8. Enter the **Username** and **Password** associated with AirWatch.
9. Click **Redirect & Enable**.
10. Click **Install Profile** when prompted. Refer to Figure 26.

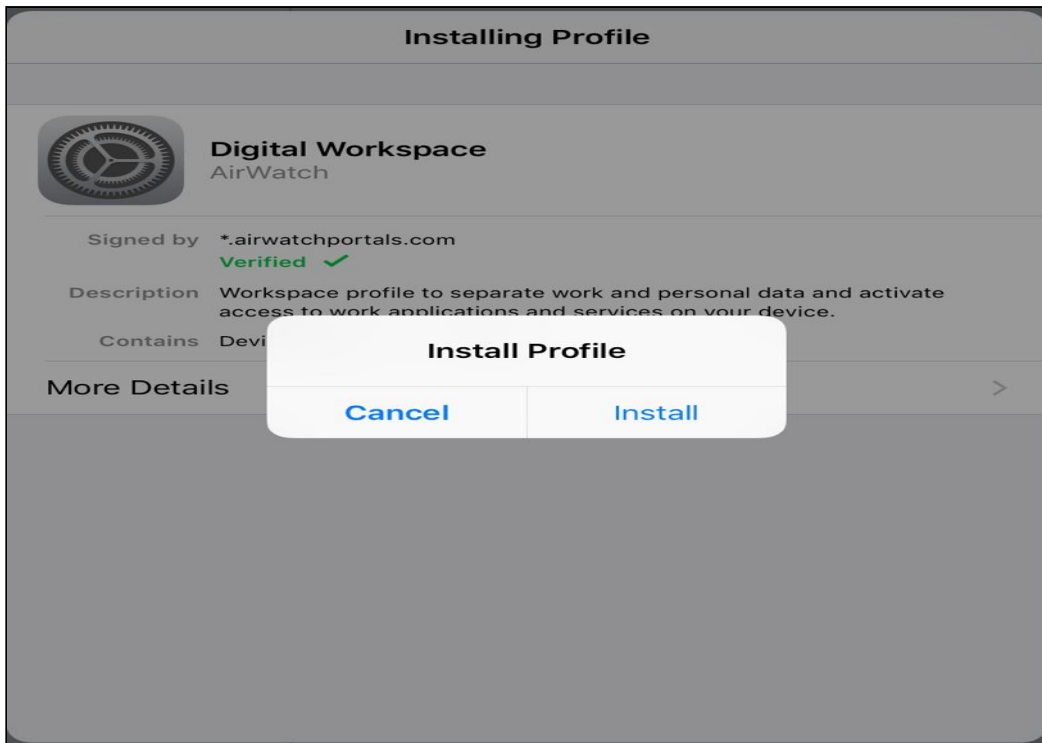


Figure 26

11. Click **Trust** when prompted
12. Restrictions automatically take effect.
13. App Installation popup appears, click **Install** to install Pearson System of Courses app. Refer to Figure 27.

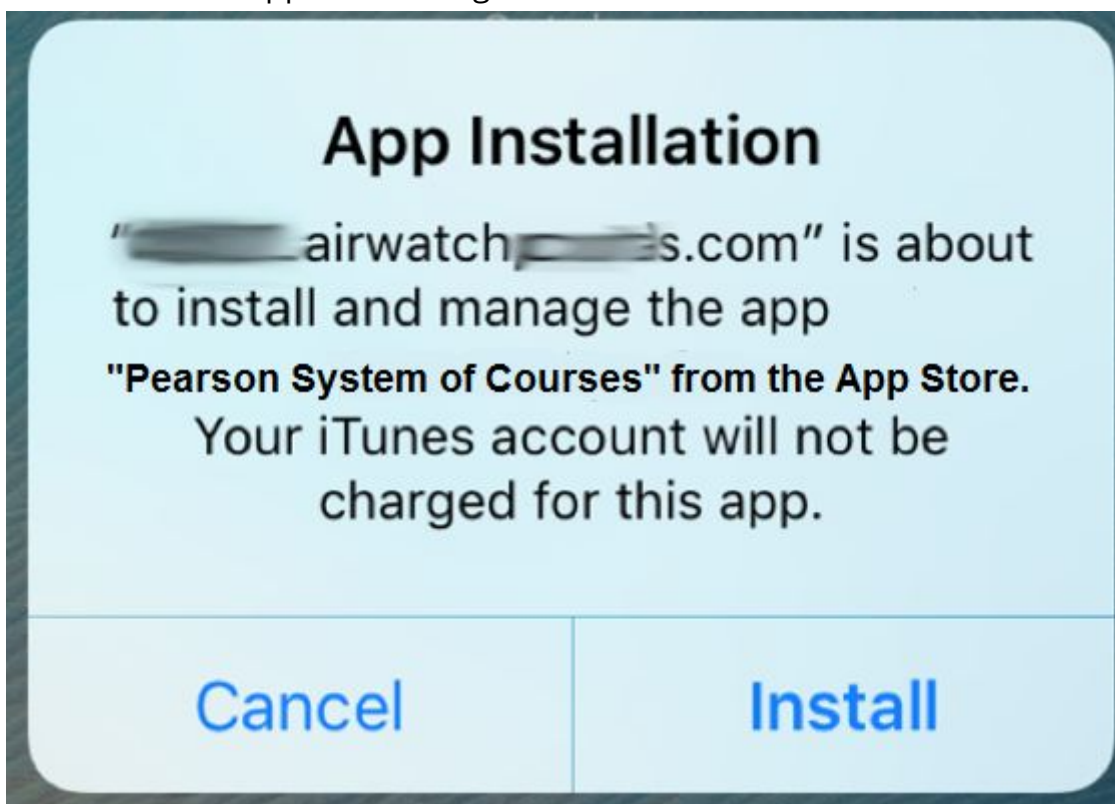


Figure 27

## Unsupervised and No VPP

1. On the device, launch the App Store.
2. In the search bar type **AirWatch Agent** and click **Search**.
3. Click **Get** to download the AirWatch app.
4. Click **Install** to install the AirWatch app.
5. Sign in to iTunes Store if prompted.
6. After the AirWatch Agent finishes installing, click **Open**.
7. Click **Server Details**. Refer to Figure 28.

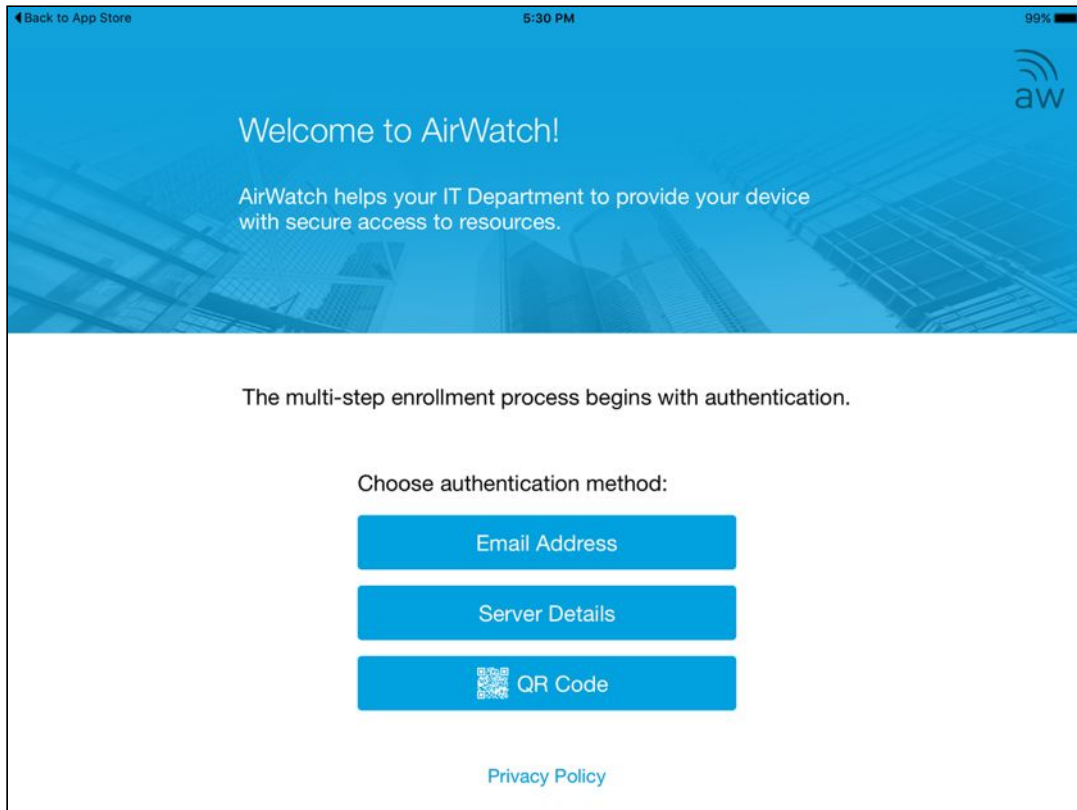


Figure 28

8. Enter your AirWatch Server URL and Group ID that you wish to associate with.
9. Enter the **Username** and **Password** associated with AirWatch.
10. Click **Redirect & Enable**.
11. Click **Install** when prompted. Refer to Figure 29.

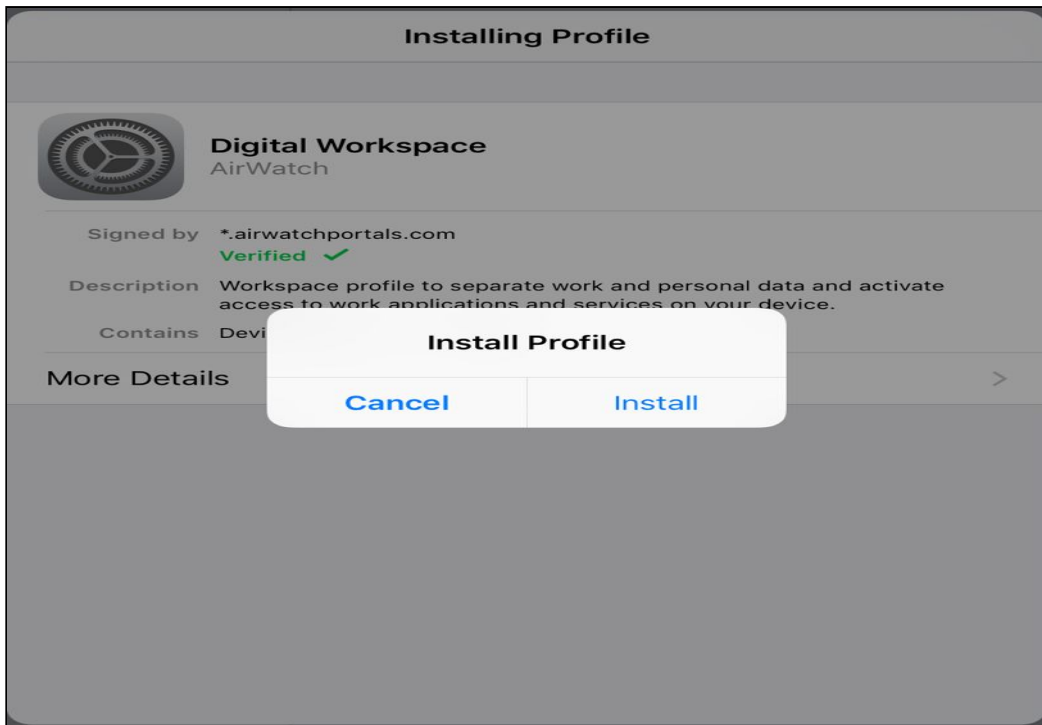


Figure 29

12. Click **Trust** when prompted.
13. Restrictions automatically take effect.
14. Login using Apple ID if prompted.
15. App Installation popup appears, click **Install** to install Pearson System of Courses app.

## Transfer Pearson System of Courses Content

There are two ways to transfer Pearson System of Courses content onto the devices.

Transferring [Over the Air Fully \(2-12 Pearson System of Courses App\)](#) requires less IT administrator interaction, however calls for longer download times and requires a reliable network connection with a recommended minimum of 5 Mbps per device.

[Transfer Content Using Sideload](#) requires more dedicated time from the IT administrators to oversee the content transfer and extraction process.

### *Over the Air Fully (2-12 Pearson System of Courses App)*

1. Launch Pearson System of Courses app.
2. Enter user credentials for an unsectioned Pearson System of Courses user.
3. Select the desired grade. Refer to Figure 30.
  - a. **Note:** Only one grade can be selected at a time.

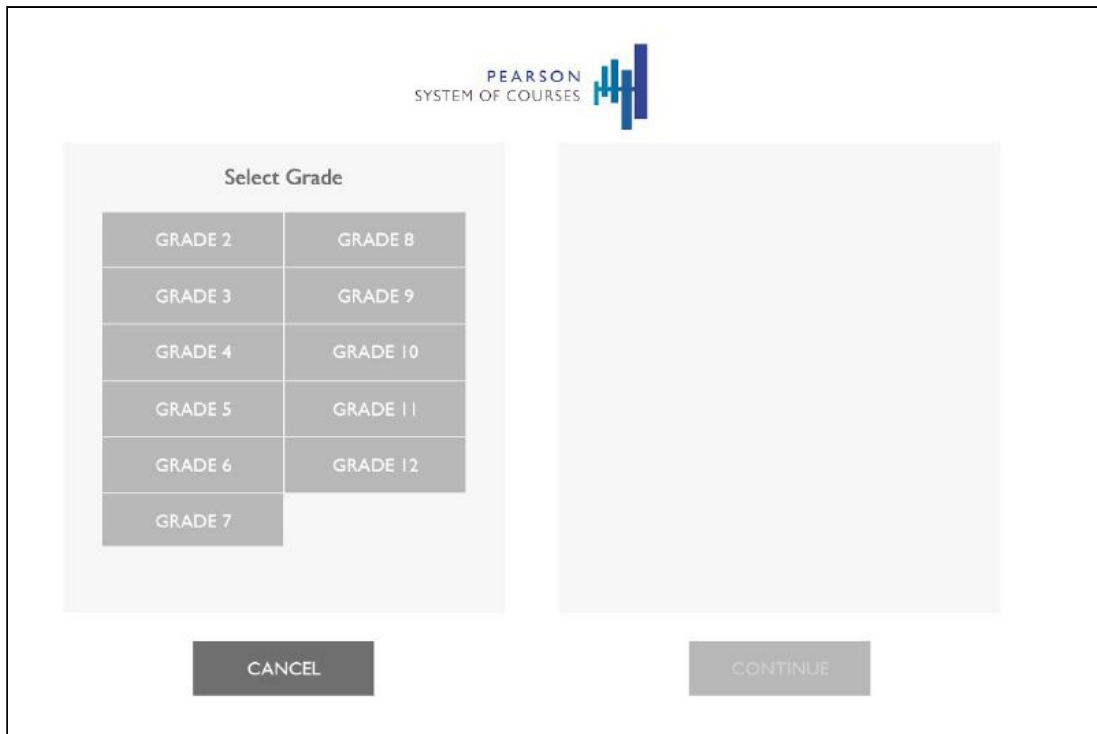


Figure 30

4. Select desired subject for ELA and/or Math.
5. Select **Yes** to download all lessons now (each subject is distinct, and it is possible to select yes or no for each subject).
  - a. **Note:** Downloading all lessons at once may take an estimated hour and a half per grade assuming 5 Mbps per device (the lowest recommended bandwidth per device).
6. Click **Continue**. Refer to Figure 31.

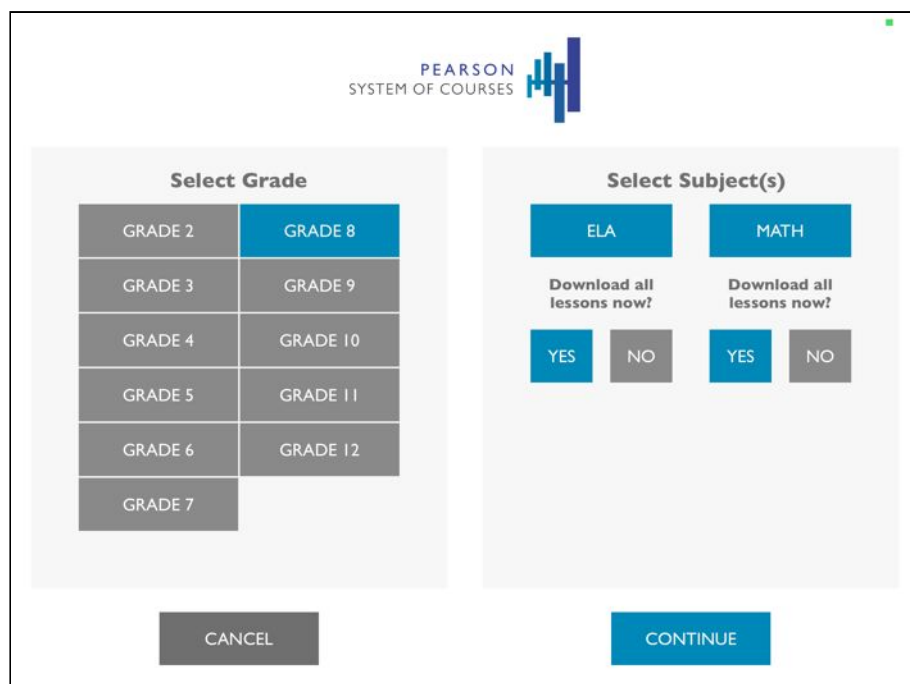
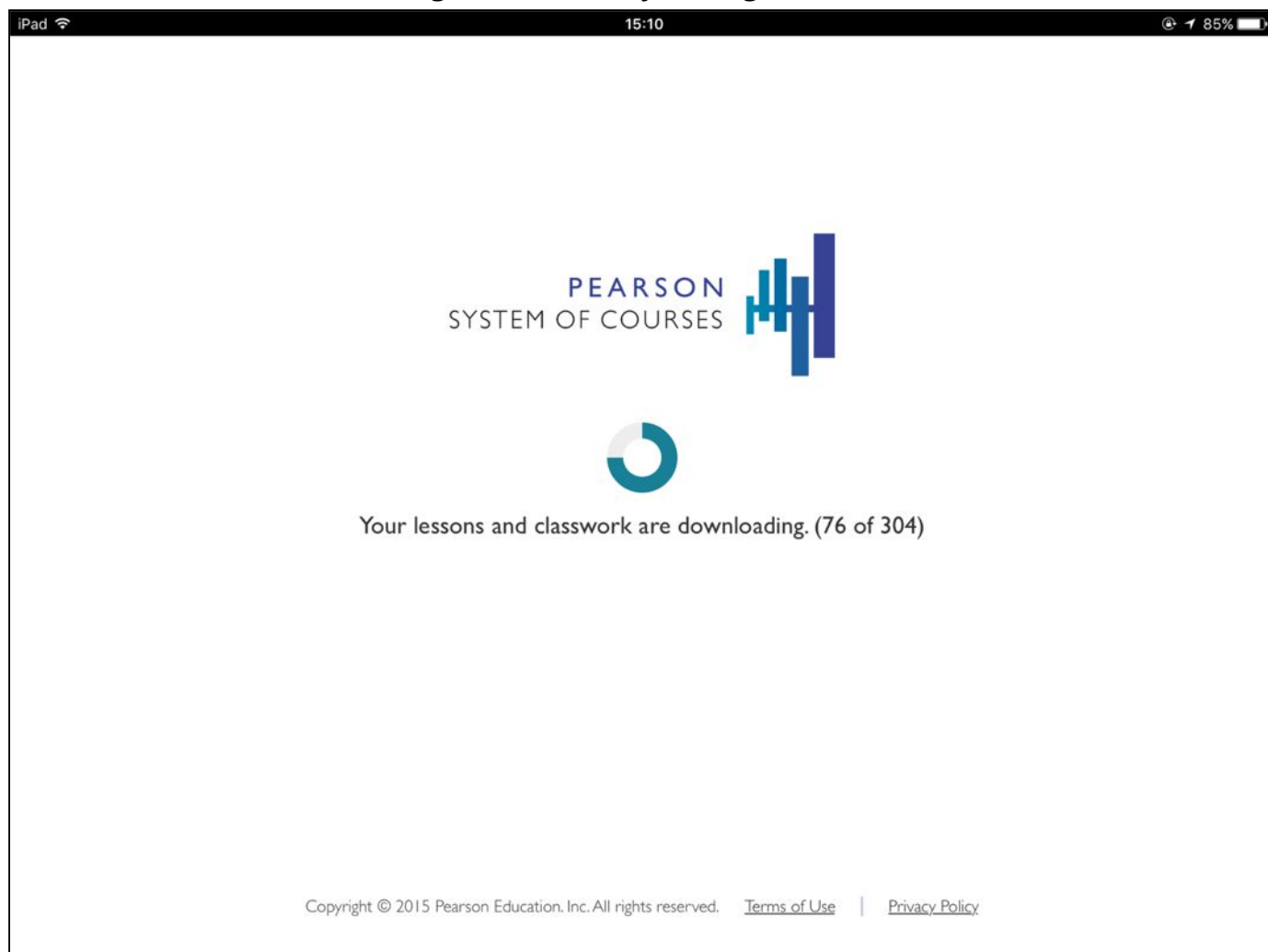


Figure 31

7. After tapping Continue, all lessons content will be downloaded in full. Refer to Figure 32. Once the download is complete, the Pearson System of Courses app and content are configured and ready to be given to students.



*Figure 32*

### *Over the Air (K-1 Pearson System of Courses App)*

**Note:** There is currently no option to download all units fully like in the 2-12 App. To accomplish this, the user must select each unit manually.

1. Launch K-1 Pearson System of Courses app.
2. Enter user credentials for a K-1 Pearson System of Courses user.
3. Select the desired units based on the grade you wish to download. Refer to Figure 33.

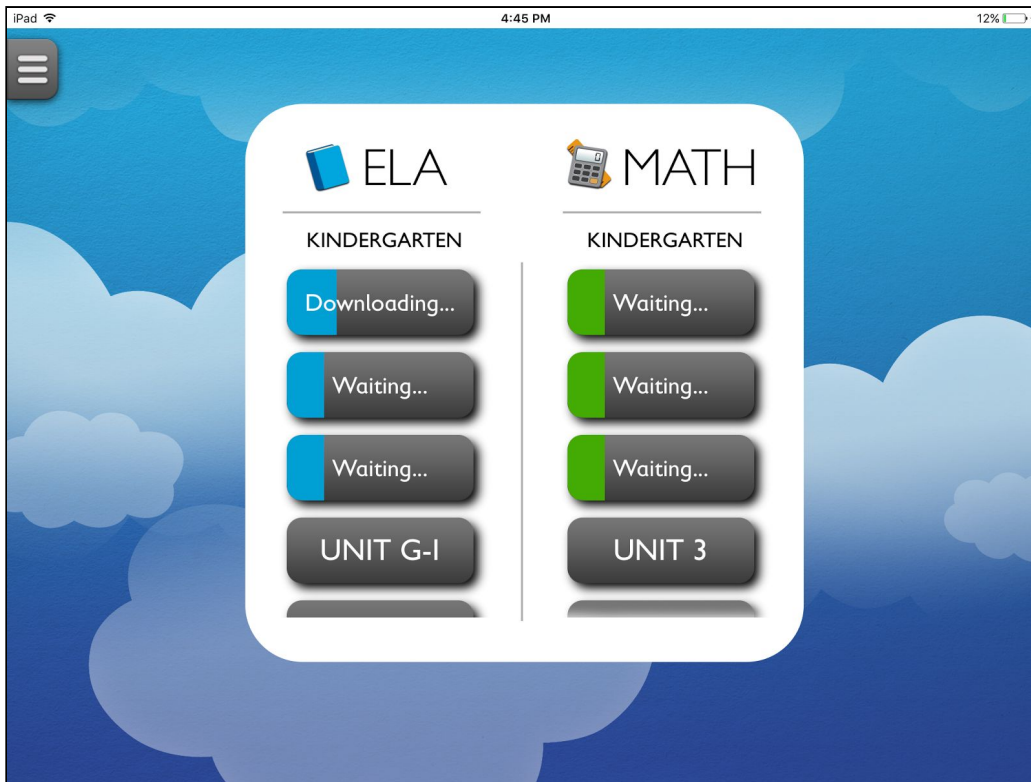


Figure 33

- Once complete, the downloaded units will be highlighted. Refer to Figure 34.

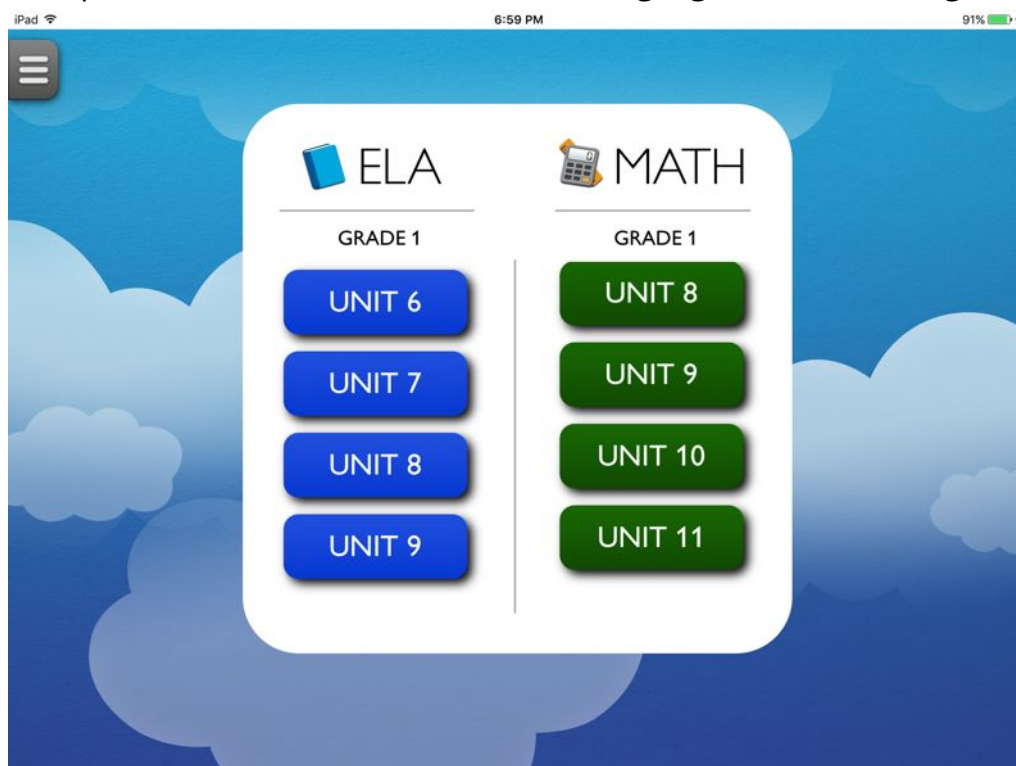


Figure 34

### Transfer Content Using Sideload

- Login to the Pearson System of Courses content download website at <https://ccscc-content-download.azurewebsites.net/>.
- Select **CUSTOM (FOR PARTNERS)** and use the login provided by your Pearson

Support contact. Refer to Figure 35.



Figure 35

3. Download the sideload packages: Refer to Figure 36.
  - a. Select desired grades.
  - b. Save the files to an accessible folder on your computer.

Content Set ( )						
Grade	ELA	Last Modified	Size (bytes)	MATH	Last Modified	Size (bytes)
9	ELA	6/3/2016		n/a	n/a	n/a
10	ELA	6/3/2016		n/a	n/a	n/a
11	ELA	6/3/2016		n/a	n/a	n/a
12	ELA	6/3/2016		n/a	n/a	n/a

Figure 36

4. Connect all iPads to a Mac computer through Sync and Charge Hub.
5. Launch Apple Configurator 2 on the Mac.
6. Select all iPads (command + a).
7. Right click any iPad.
8. Click **Add**.
9. Click **Documents**. Refer to Figure 37.



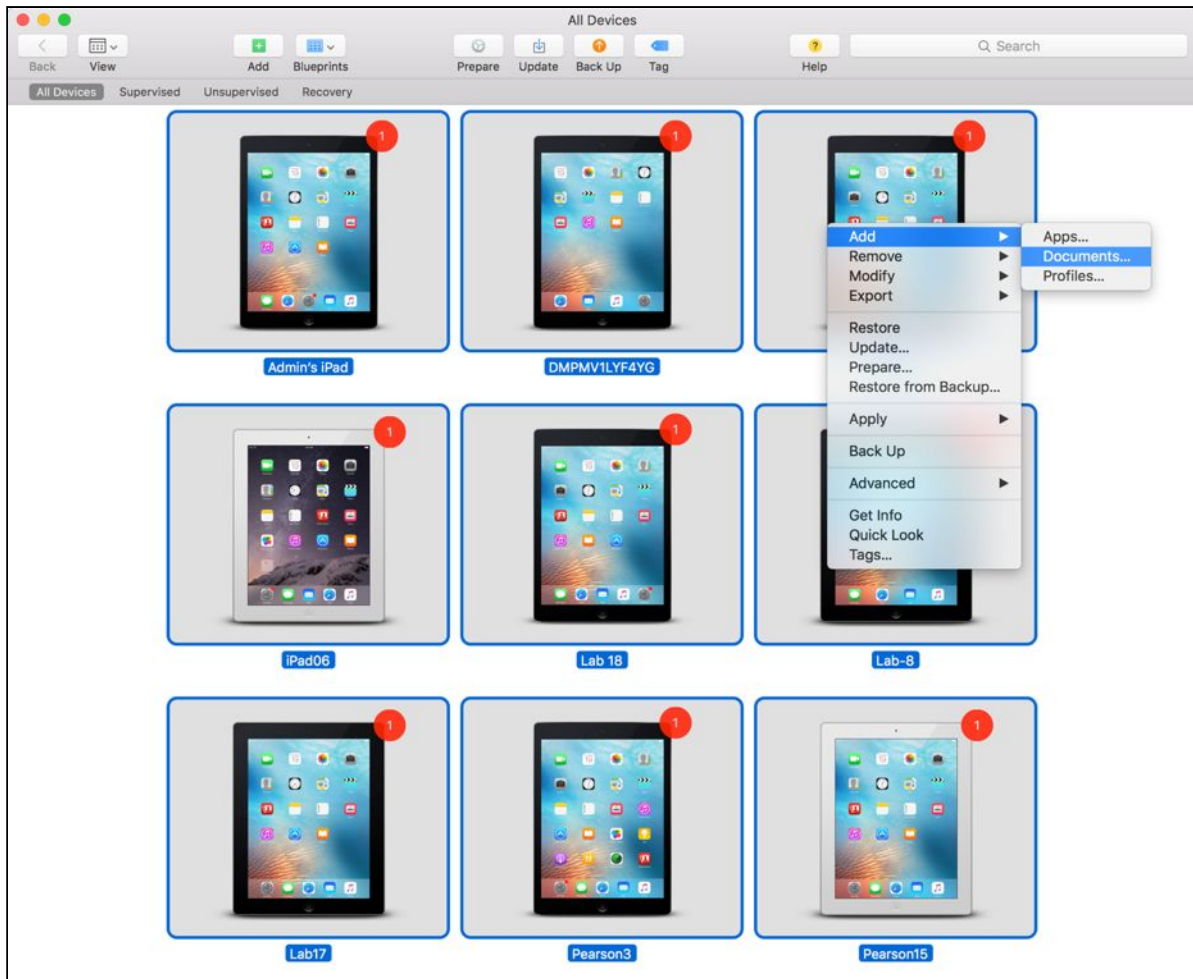


Figure 37

10. Click the Pearson System of Courses app to sideload the PCS content onto.
11. Click **Choose**.
12. Browse and select all Pearson System of Courses content \*.ccsoc files you wish to sideload.
13. Click **Open**.
14. All of the selected items will transfer onto all devices.
15. On each iPad, launch the Pearson System of Courses app to extract the Pearson System of Courses content.
16. The Pearson System of Courses content will extract and this will take 15-30 minutes per grade level installed. Refer to Figure 38 for 2-12 Pearson System of Courses app and refer to Figure 39 for K-1 Pearson System of Courses app.

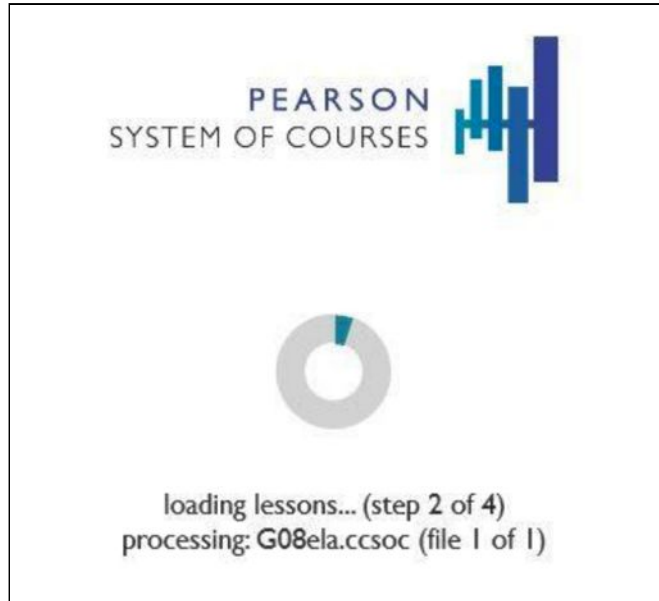


Figure 38

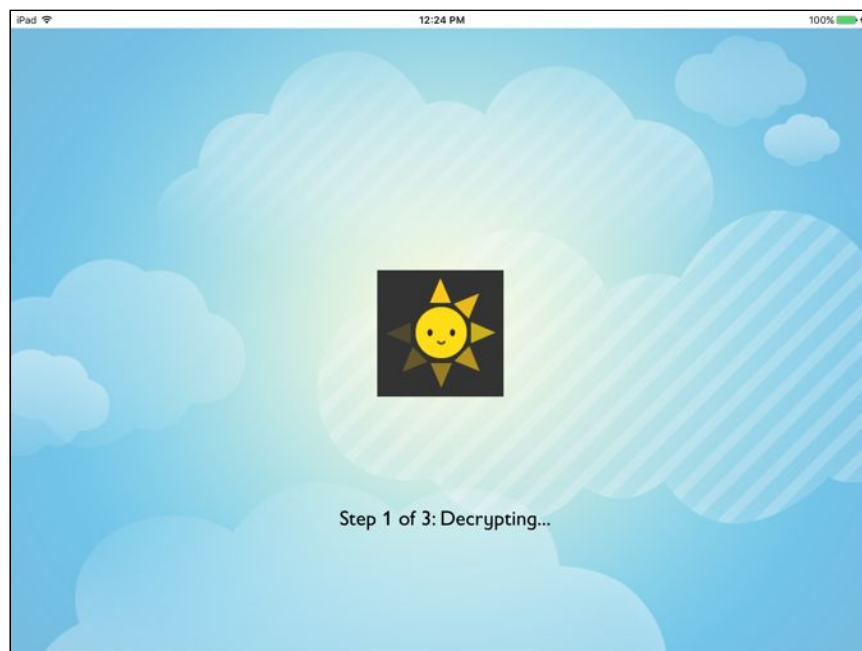


Figure 39

17. Once the content is extracted, the devices are provisioned and ready to be used by students.

## Update the Pearson System of Courses App

The Pearson System of Courses app may be periodically updated to improve performance and reliability.

If the Pearson System of Courses app has been deployed using VPP, it is recommended to update the Pearson System of Courses app using AirWatch to remove the need for Apple ID Credentials.

If the Pearson System of Courses app has been deployed without using VPP, then Apple ID credentials are necessary and the app may be updated using the Apple App Store.

### Update a VPP-deployed App

1. Navigate and login to AirWatch Console.
2. Click **Apps & Books** on the left panel.
3. Click the **Purchased** tab.
4. Next to the Pearson System of Courses app click **Manage Devices**. Refer to Figure 40.

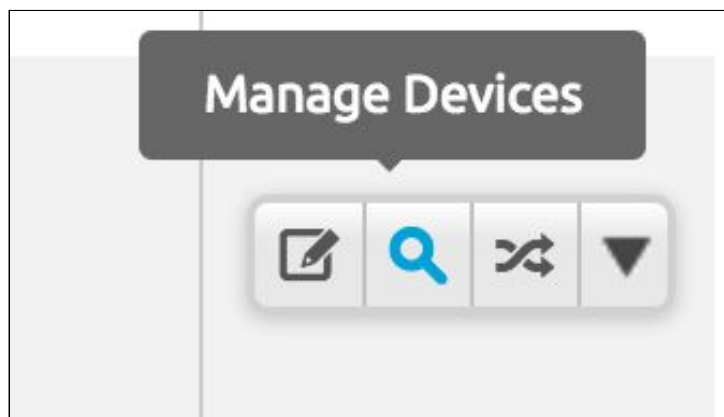


Figure 40

5. Select all devices you wish to update.
6. Hover over Install and click Install on Selected. Refer to Figure 41.

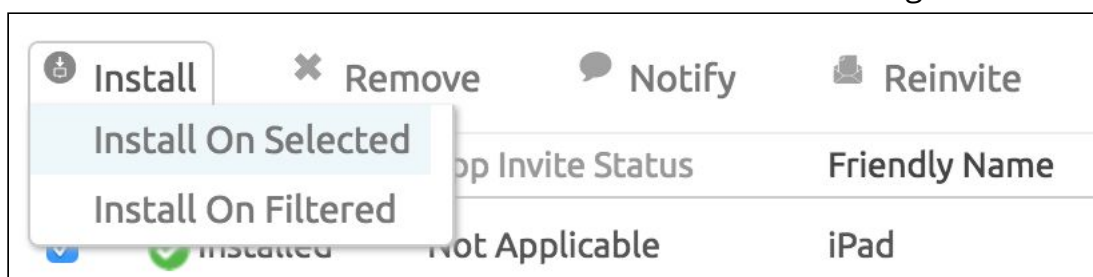


Figure 41

## Update a Non-VPP App

1. Make sure that Automatic App Updates is set to On for each device in the Apple iOS device Settings.
  - a. Navigate to device settings.
  - b. Click **iTunes & App Store**. Refer to Figure 42.
  - c. Sign into the App Store using Apple ID credentials.

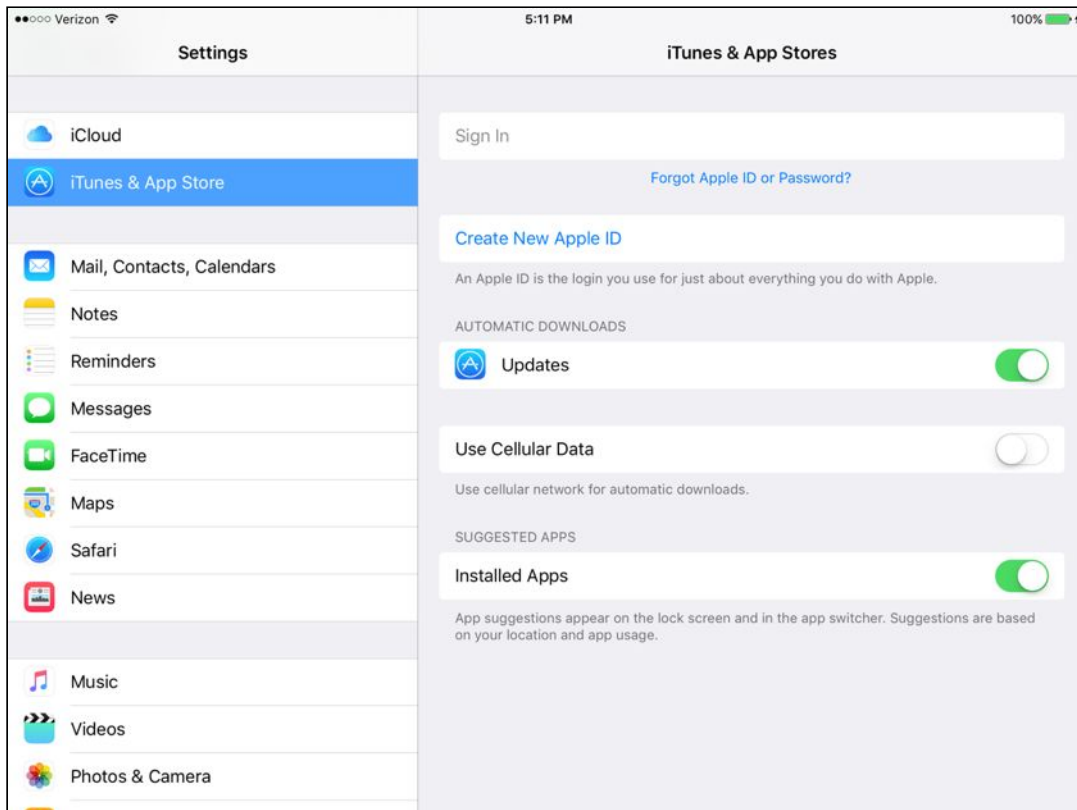


Figure 42

2. The Pearson System of Courses app will be automatically updated when a new update is released to the Apple App Store if the device is signed in with an Apple ID.

# Uninstall the Pearson System of Courses App

## Uninstall a VPP App

1. Navigate and login to AirWatch Console.
2. Click **Apps & Books** on the left panel.
3. Click the **Purchased** tab.
4. Next to the Pearson System of Courses app click **Manage Devices**. Refer to Figure 43.

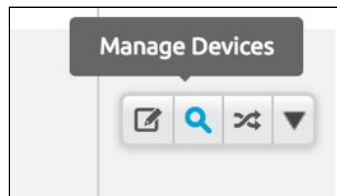


Figure 43

5. Select all devices you wish to uninstall the app from.
6. Hover over **Remove** and click **Remove on Selected**. Refer to Figure 44.

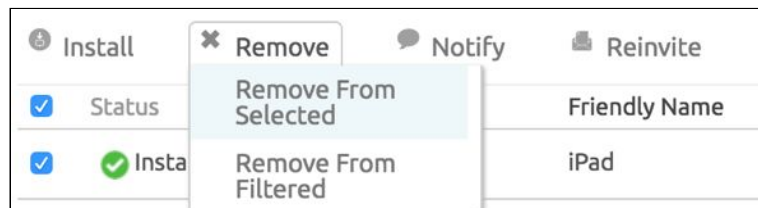


Figure 44

## Uninstall a Non-VPP App

1. Navigate and login to AirWatch Console.
2. Click **Apps & Books** on the left panel.
3. Click the **Public** tab.
4. Next to the Pearson System of Courses app click the triangle and click **Manage Devices**. Refer to Figure 45.

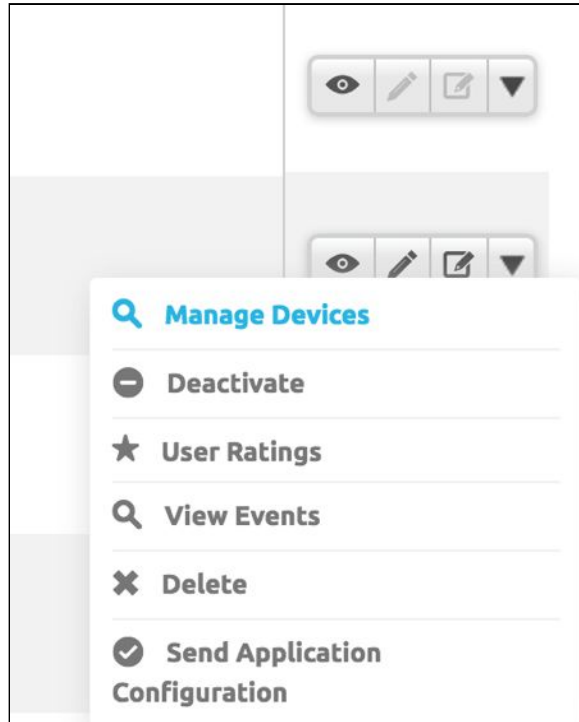


Figure 45

5. Select all devices you wish to update.
6. Hover over **Remove** and click **Remove on Selected**. Refer to Figure 46.

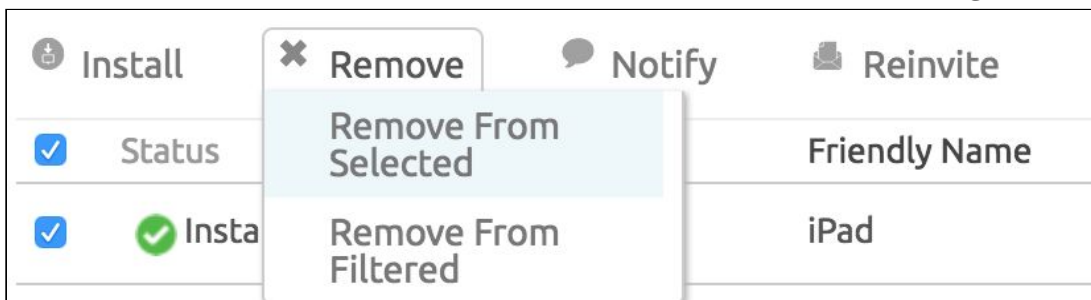


Figure 46