



Pearson System of Courses

Deploy with Mobile Device Management JAMF Software for iOS

Table of Contents

Deployment Process Overview	3
Pearson System of Courses App Considerations	3
Pearson System of Courses Content Considerations	3
Recommendations and Assumptions	4
Process	6
Pearson System of Courses Deployment Preparation	6
Supervise Devices	6
Apple Device Enrollment Program and JAMF (Recommended)	6
Apple Configurator 2 and JAMF	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 App Deployment	14
Pearson System of Courses Deployment	14
Install Pearson System of Courses App	14
Recommended: Supervised and VPP	15
Supervised and No VPP	15
Unsupervised and VPP	16
Unsupervised and No VPP	17
Transfer Pearson System of Courses Content	19
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
Update the App	26
Uninstall the App	28
Appendix	29

Deployment Process Overview

JAMF Software Server (JSS) 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 administrators 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 JAMF Software Server (JSS) 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 removing any settings or apps you apply. 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 App 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.

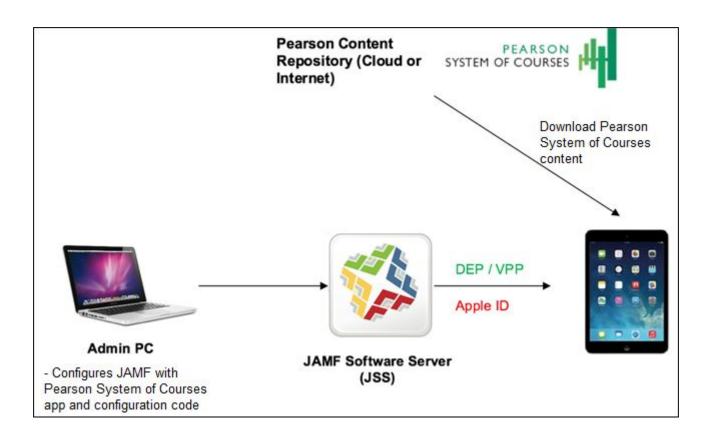


Figure 1

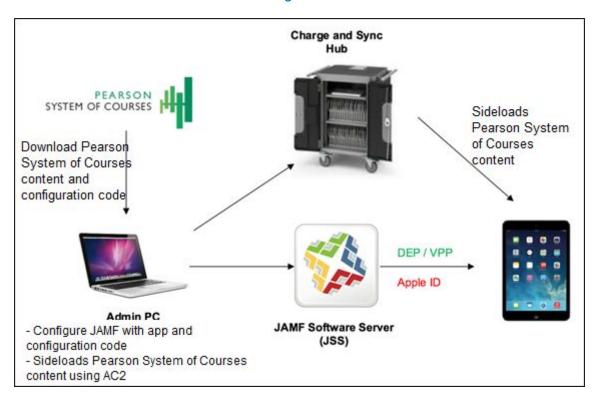


Figure 2

Recommendations and Assumptions

To enable this process, the following should be met:

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

This blueprint was created with the following assumptions:

- JAMF v 9.9 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 JAMF (Recommended)

Apple DEP automatically enrolls district owned iPads into your JAMF Software Server (JSS) instance out of the box. By leveraging DEP, iPads are supervised and the Mobile Device Management configuration cannot be removed. Configure Apple DEP with JAMF: https://jamfnation.jamfsoftware.com/article.html?id=359.

Apple Configurator 2 and JAMF

Apple Configurator 2 is a utility which allows you to mass configure iPads over USB. To enable supervision, iPads must be factory reset. Configure JAMF and Apple Configurator 2: http://resources.jamfsoftware.com/documents/technical-papers/Deploying-iOS-Devices-with-the-Casper-Suite-and-Apple-Configurator-2-v9.82-or-Later.pdf.

Set Up Pearson System of Courses App

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

To seamlessly deploy the app follow the <u>Set Up App for VPP</u> instructions.

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 <u>Set Up App for Apple ID</u> instructions.

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.

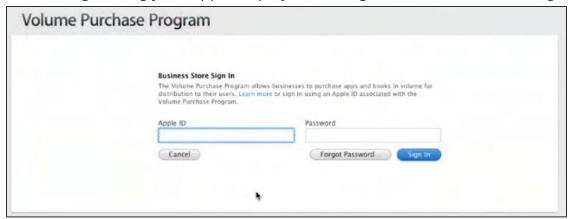


Figure 3

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



Figure 4

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

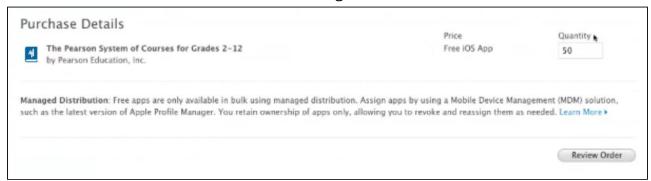


Figure 5

- 7. Make sure **Distribution Type** is set to **Managed Distribution** on the Purchase Details screen.
- 8. Click **Place Order**. Refer to Figure 6.

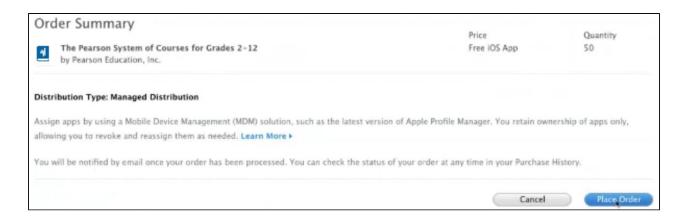


Figure 6

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.

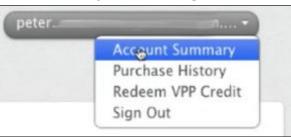


Figure 7

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

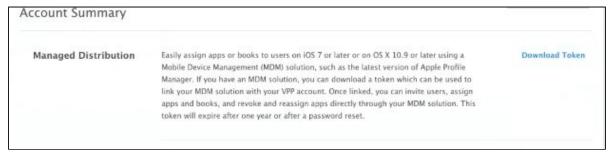


Figure 8

- 5. Navigate to and login to JAMF Software Server (JSS).
- 6. Click Mobile Devices.
- 7. Click Management Settings.
- 8. Click Global Management.
- 9. Click **VPP Accounts**.
- 10. Click New.
- 11. Click **Upload Service Token** and browse for and upload the .vpptoken file downloaded from Apple in a previous step. Refer to Figure 9.

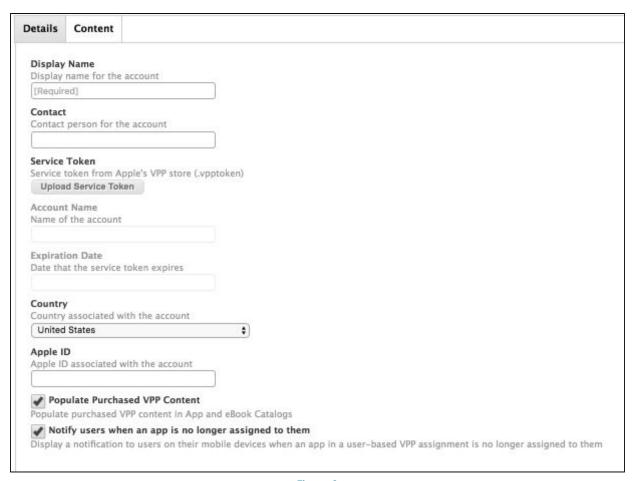


Figure 9

- 12. Create a display name for the account.
- 13. Click Save.

Set Up App in MDM with VPP

- 1. Navigate and login to JSS.
- 2. Click Mobile Devices > Click Apps.
- 3. Click New. Refer to Figure 10.



Figure 10

4. Click **App Store App or VPP Store App**. Refer to Figure 11.



Figure 11

- 5. Search **Pearson System of Courses**.
- 6. Click **Add** next to Pearson System of Courses app. Refer to Figure 12.



Figure 12

7. Change Distribution method to **Install Automatically/Prompt Users to Install**. Refer to Figure 13.

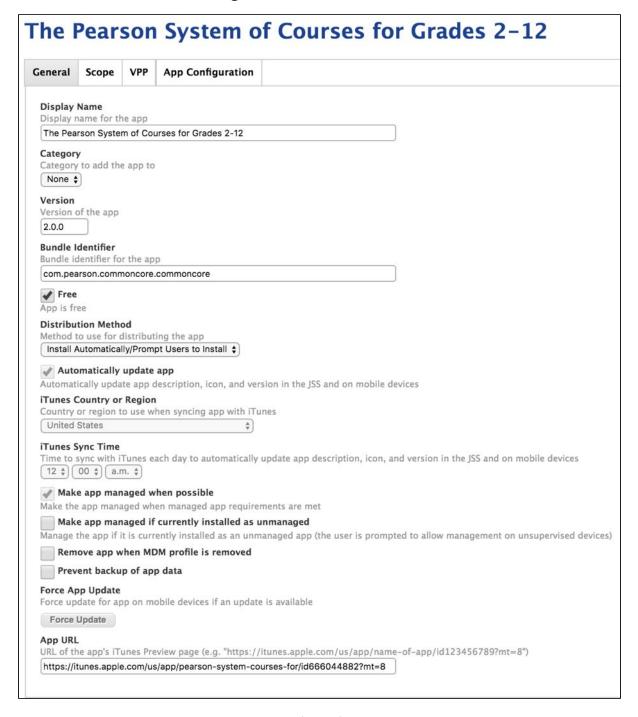


Figure 13

- 8. Click Scope > Add desired iPad(s) to scope.
- 9. Click VPP tab.

- 10. Check Assign VPP Content.
- 11. Make sure **Device Assignments** is selected.
- 12. Under VPP Account assign correct VPP account. Refer to Figure 14.

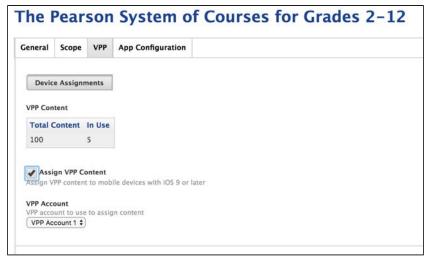


Figure 14

13. Click **App Configuration** > enter XML code for Pearson System of Courses configuration code population (see appendix), and refer to Figure 15.

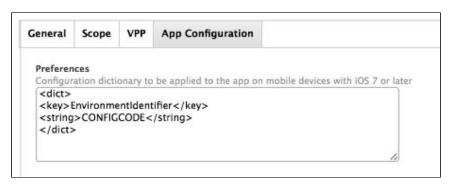


Figure 15

14. Click **Done**.

Set Up App for Apple ID

If you are not following the "App setup with VPP" steps, then please follow these steps below to complete the App setup using Apple ID.

Set Up App in MDM

- 1. Click Mobile Devices > Click Apps.
- 2. Click **New**. Refer to Figure 16.

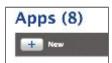


Figure 16

- 3. For a public app:
 - a. Click **App Store App or VPP Store App**. Refer to Figure 17.



Figure 17

- b. Search 'Pearson System of Courses'
- c. Click 'Add' next to Pearson System of Courses app. Refer to Figure 18.



Figure 18

d. Change Distribution method to **Install Automatically/Prompt Users to Install**. Refer to Figure 19.

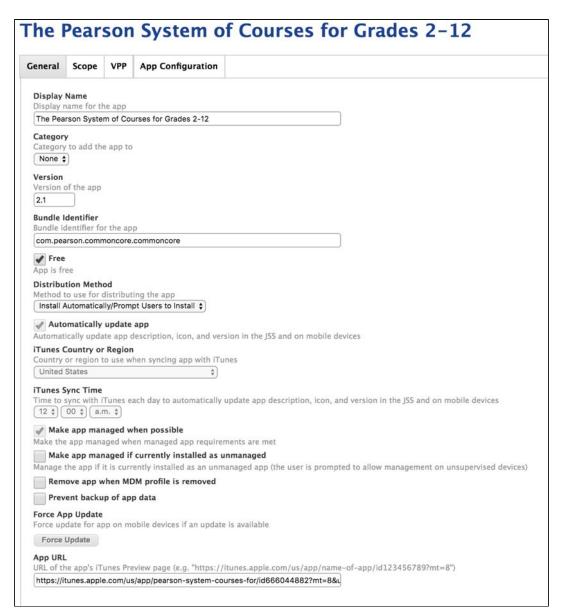


Figure 19

- e. Click Scope > Add desired iPad(s) to scope.
- f. Click **App Configuration** > enter XML code for Pearson System of Courses configuration code population (see appendix), and refer to Figure 20.



Figure 20

g. Click **Done**.

Profiles Impacting App Deployment

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

- 1. Click **Mobile Devices > Configuration Profile**.
- 2. Choose an existing profile, or click **New**.
- 3. Click Restrictions, and 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	X	This will prompt for an Apple ID login even when using VPP if turned on
Allow trusting new enterprise app authors	1	If using an in-house IPA that needs to be trusted before running
Allow modifying device name (Supervised only)	1	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

- 4. Click Scope > Add desired iPad(s) to scope.
- 5. Click Save.

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 JSS credentials or follow prompts to complete setup with Apple Configurator 2. Refer to Figure 21.

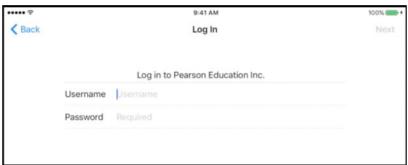


Figure 21

- 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 JSS credentials or follow prompts to complete setup with Apple Configurator 2. Refer to Figure 22.



Figure 22

3. iTunes login prompt appears, login using Apple ID for the user device. Refer to Figure 23.



Figure 23

The Pearson System of Courses app should now be installed.

Unsupervised and VPP

- 1. On the device, navigate to your enrollment portal.
- 2. Login using JAMF credentials. Refer to Figure 24.



Figure 24

3. Enter a username from LDAP to associate the device with. If you do not have LDAP configured, leave this blank and click **Enroll**. Refer to Figure 25.



Figure 25

- 4. Click Continue.
- 5. Click Install. Refer to Figure 26.



Figure 26

- 6. Click **Done**.
- 7. Click Continue.
- 8. Click **Install** profile. Refer to Figure 27.



Figure 27

9. Click **Trust**. Refer to Figure 28.

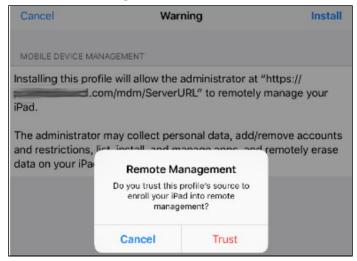


Figure 28

- 10. Restrictions automatically take effect.
- 11. App Installation popup appears, click **Install** to install Pearson System of Courses app. Refer to Figure 29.

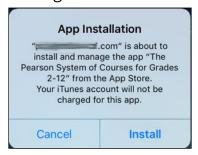


Figure 29

The Pearson System of Courses app should now be installed.

Unsupervised and No VPP

- 1. On the device, navigate to your enrollment portal.
- 2. Login using JAMF credentials. Refer to Figure 30.



Figure 30

3. Enter a username from LDAP to associate the device with. If you do not have LDAP configured, leave this blank and click **Enroll**. Refer to Figure 31.



Figure 31

- 4. Click Continue.
- 5. Click Install. Refer to Figure 32.



Figure 32

- 6. Click Done.
- 7. Click Continue.
- 8. Click **Install** profile. Refer to Figure 33.



Figure 33

9. Click Trust. Refer to Figure 34.

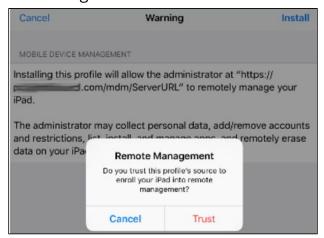


Figure 34

- 10. Restrictions automatically take effect.
- 11. iTunes login prompt appears, login using Apple ID. Refer to Figure 35.



Figure 35

12. App Installation popup appears. Click **Install** to install Pearson System of Courses app. Refer to Figure 36.

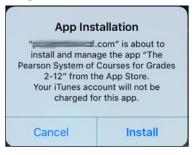


Figure 36

The Pearson System of Courses app should now be installed.

Transfer Pearson System of Courses Content

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

Transferring <u>Content Over the Air Fully (2-12 Pearson System of Courses App)</u> requires less IT administrator interaction, however requires a strong network connection and a longer download time.

<u>Transfer Content Using Sideload</u> 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 unsectioned Pearson System of Courses user credentials.
 - a. Note: Unsectioned users are those that are not aligned to any particular course. In order to choose to download all lesson content for a grade fully, one must login as an unsectioned user. Sectioned users are those that are aligned to a particular course, such as Grade 8 ELA and Math. When logging in with a sectioned user the Pearson System of Courses app will automatically start downloading just the course information for the course(s) the user is sectioned to.
- 3. Select desired grade. Refer to Figure 37.
 - a. **Note:** Only one grade can be selected at a time.

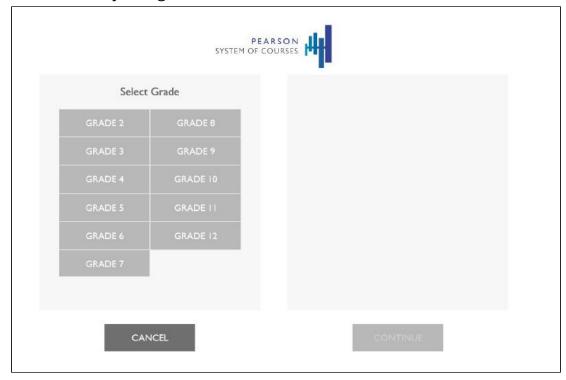


Figure 37

- 4. Select desired subject(s).
- 5. Select **Yes** to download all lessons now.
 - a. **Note:** Downloading all lessons for one grade may take up to an hour and a half on a 5Mbps network (the lowest recommended bandwidth per device).
- 6. Click **Continue**. Refer to Figure 38.

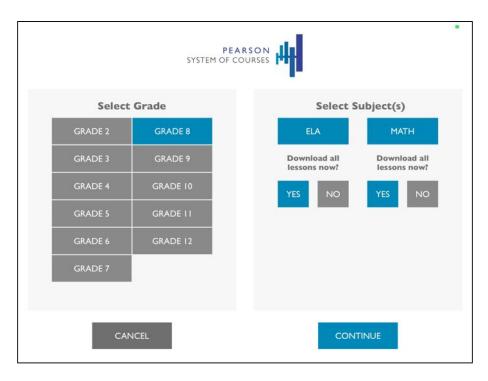


Figure 38

7. After tapping Continue, all lessons content will be downloaded. Refer to Figure 39. Once the download is complete, the Pearson System of Courses app and content are configured and ready to be given to students.

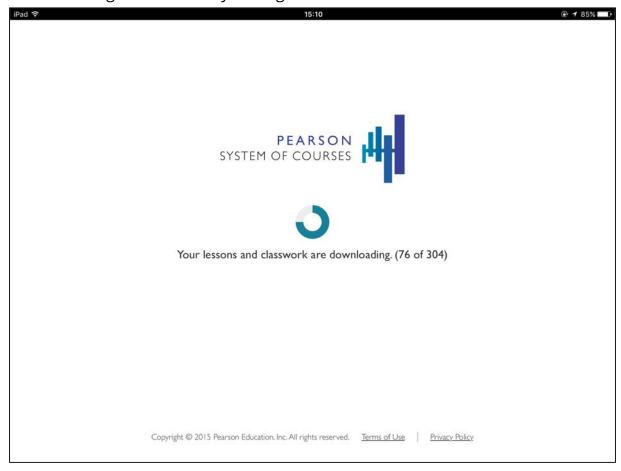


Figure 39

The Pearson System of Courses app should now be installed.

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 40.

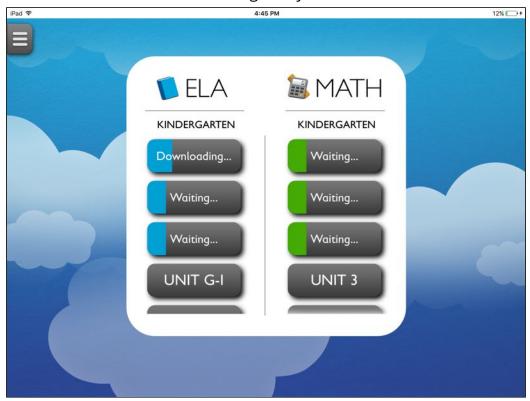


Figure 40

- 4. Once complete, the downloaded units will be highlighted. Refer to Figure 41.
- 5. Click on one of the units to begin using Pearson System of Courses with that unit.

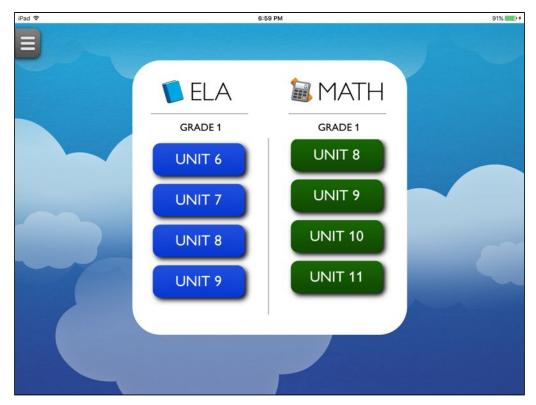


Figure 41

The Pearson System of Courses app should now be installed.

Transfer Content Using Sideload

- 1. Login to the Pearson System of Courses content download website at https://ccsoc-content-download.azurewebsites.net/.
- 2. Select **CUSTOM (FOR PARTNERS)** and use the login provided by your Pearson technical contact. Refer to Figure 42.



Figure 42

- 3. Download the sideload packages: Refer to Figure 43.
 - a. Download Pearson System of Courses content by clicking the link (ELA or MATH) next to desired grade.

b. Save the files to an accessible folder on your computer.

Grade	ELA	Last Modified	Size (bytes)	MATH	Last Modified	Size (bytes)
9	ELA			n/a	n/a	n/a
10	ELA			n/a	n/a	n/a
11	ELA			n/a	n/a	n/a
12	ELA	47		n/a	n/a	n/a

Figure 43

- 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 44.

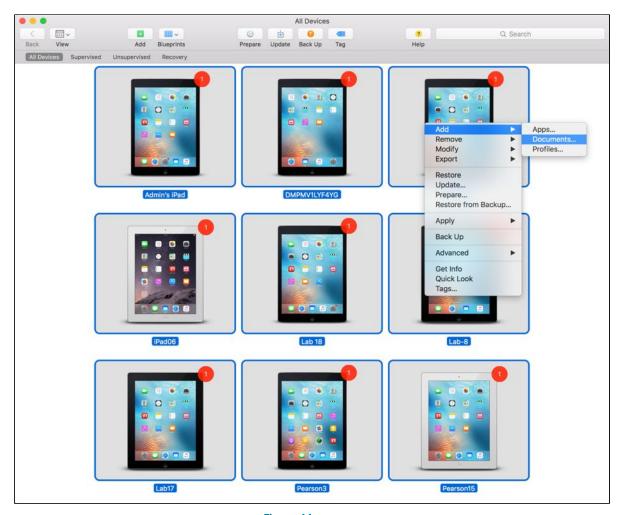


Figure 44

- 10. Click the Pearson System of Courses app to sideload the Pearson System of Courses 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 mins per grade installed. Refer to Figure 45 for 2-12 Pearson System of Courses app and refer to Figure 46 for K-1 Pearson System of Courses app.

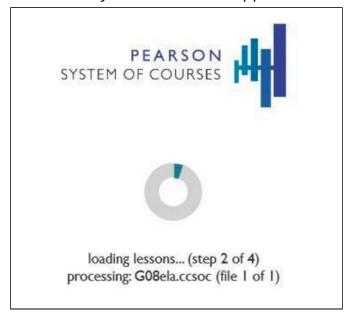


Figure 45

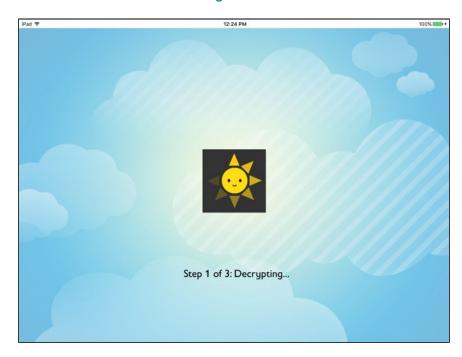


Figure 46

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

Update the App

Updating the Pearson System of Courses App is recommended to be performed Over the Air using JAMF Software Server. This process can be configured to automatically update the Pearson System of Courses app from the Apple App Store whenever a new version is available.

- 1. One time update:
 - a. Navigate to JSS.
 - b. Click **Mobile Devices**.
 - c. Click **Apps**.
 - d. Click on the Pearson System of Courses app you wish to update to the newest version.
 - e. Click Edit.
 - f. Click **Force Update**.
- 2. To automatically update apps in the future:
 - a. Navigate to JSS.
 - b. Click **Mobile Devices**.
 - c. Click **Apps**.
 - d. Click the **Pearson System of Courses** app.
 - e. Click **Edit**.
 - f. Check Automatically update app. Refer to Figure 47.

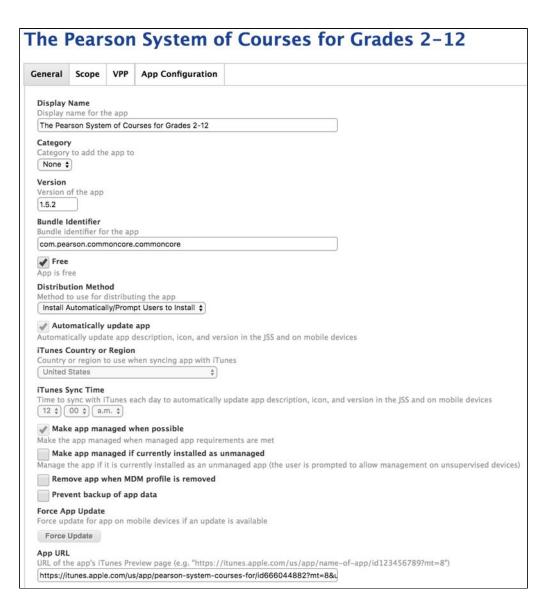


Figure 47

Uninstall the App

- 1. Navigate to JSS.
- 2. Click Mobile Devices.
- 3. Click **Apps**.
- 4. Click **Pearson System of Courses**.
- 5. Click **Scope**.
- 6. Click Edit.
- 7. Remove device(s) from scope by adding them in Exclusions, or removing them from Targets. Refer to Figure 48.

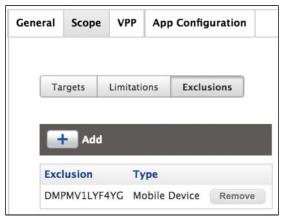


Figure 48

- 8. Click Done.
- 9. Click **Save**.

Appendix

XML code to auto-populate config code: (Replace "CONFIGCODE" with your specific configuration code)

```
<dict>
<key>EnvironmentIdentifier</key>
<string>CONFIGCODE</string>
</dict>
```