Leveraging Focus & Google Classroom for Online Learning

Making the switch to distance learning may require your school district to set up a new Learning Management System (LMS). Google is offering features typically available from G Suite Enterprise for Education to all customers, free of charge, until July 1, 2020. The advanced features include Hangouts Meet video-conferencing capabilities for larger meetings of up to 250 participants per call, live streaming for up to 100,000 viewers within a domain, and the ability to record meetings and save them to Google Drive. Click <u>HERE</u> to learn more.

Your Focus Student Information System includes a built-in Application Programming Interface (API) Grade Passback (the syncing of assignments and grades) that seamlessly integrates with Google Classroom.

Setting Up the Google API in Google Developers

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2. If your district uses G Suite, log in with your G Suite administrator credentials. Otherwise, log in with the Google Account you wish to use to manage the API credentials.

3. If this is the first time you have logged in to the Google Cloud Platform, you may need to agree to Google's Terms of Service.

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			I agree to the <u>Google Cloud Platform Terms of Service</u> , and the terms of service of <u>any applicable services and APIs</u> .						
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4. If you have not previously created a project in the Google Cloud Platform, click **Create Project**. Fill in the **Project name** and, optionally, Organization.

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5. Click Enable APIs and Services, and enable the Google Classroom API.

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6. Return to the main Google APIs dashboard by clicking the navigation menu -> **APIs & Services** -> **Dashboard.**

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7. Repeat steps 5-6 for the Google Calendar API and the Admin SDK.

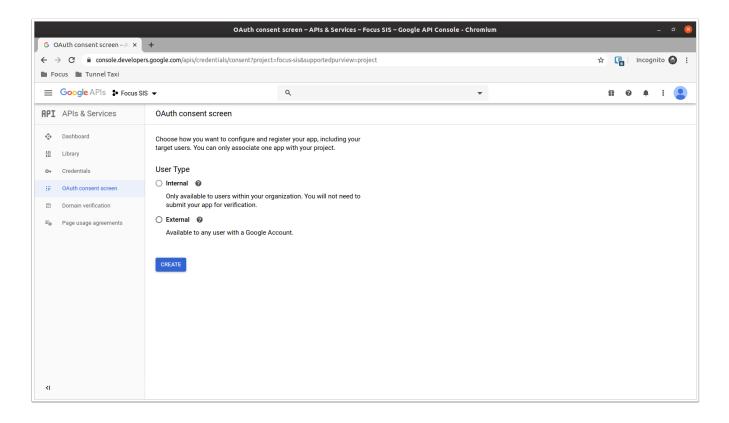
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8. Ensure that you now see the Google Classroom API, Google Calendar API, and Admin SDK on the main Google APIs dashboard at the bottom of the screen.

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9. From the navigation menu, select OAuth consent screen.



10. If your district uses G Suite, select **Internal**. Otherwise, after reading the <u>limitations for</u> <u>unverified apps</u>, select **External**.

11. Enter **Focus SIS** as the **Application name** and optionally upload a logo to be displayed on the Google login screen. Verify that the **Support email** is correct.

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		Scopes for Google APIs Scopes allow your application to access your user's private data. Learn more If you add a sensitive scope, such as scopes that give you full access to Calendar or Drive, Google will verify your consent screen before it's published.	Before your consent screen and application are verified by Google, your application with limitations. Learn more about how your app will behave before it's verified. Let us know what you think about our OAuth experience.						
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12. Click **Add Scope**, click the checkbox on the top right of the table to select all scopes for the enabled APIs, and then click **Add**.

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13. Add the district's domain name under **Authorized domains**. If the district's production site is https://example.com/focus, the domain name is example.com.

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14. Scroll to the bottom of the page and click **Save**. You now should see the following screen.

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15. From the navigation menu, select **Credentials**.

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16. Click the **Create Credentials** button at the top of the screen, then select **OAuth client ID**.

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17. For **Application type**, select **Web application**. Fill in **Focus SIS** as the **Name**. Under **Authorized redirect URIs**, enter the URL of the district's production site, followed by '/redirect.php'. If the district's production site is https://example.com/focus, the redirect URI is https://example.com/focus/redirect.php. At the bottom of the screen, click **Create**.

Create	: OAuth client ID - Focus SIS - Google API Console - Chromium			ō 🙁
G Create OAuth client ID - F - X +				
← → C a console.developers.google.com/apis/credentials/oauthclient?previo	ousPage=%2Fapis%2Fcredentials%3Fproject%3Dfocus-sis&project=focus-s	sis 🛧 📭	Incognito	⊖ :
🖿 Focus 🖿 Tunnel Taxi		_		
≡ Google APIs SFocus SIS -	۹ 🗸	11 6	• • •	•
← Create OAuth client ID				
For applications that use the OAuth 2.0 protocol to call Google APIs, you can use an OAuth 2.0 client ID generate an access token. The token contains a unique identifier. See Setting up OAuth 2.0 for more inf Application type Web application Android Learn more BIG Control Appl Learn more BIG Control Control Appl Learn More BIG Control Control Appl Learn More BIG Control Control Appl Learn Appl Learn BIG Control BIG Control BIG Control Appl Learn BIG Control BIG Control BIG Control BIG Control	rd ti include it			•

18. Make note of the Client ID and the Client Secret. You can also return to Credentials and select Focus SIS under OAuth 2.0 Client IDs to pull up the Client ID and Client Secret in the future.

	Cre	dentials – APIs & Services – Focus SIS – Google API Console - Chr	omium	- ō 😣
G Credentials – APIs & Servic ×	+			
\leftrightarrow \rightarrow C \cong console.develope	ers.google.com/apis/credentials?highlightCl	ient=539941983103-e4smor908gv6vr1l48r8n5jlppd20d7i.apps.googleuse	ercontent.com&clientUpdateTime=2020-04-0	🖈 🖳 Incognito 🚭 🗄
🖿 Focus 🖿 Tunnel Taxi				
	SIS 🔻	٩	•	# 0 A i 😩
APIs & Services	Credentials + CREATE CR	EDENTIALS 👕 DELETE		
💠 Dashboard	Create credentials to access your enabled	APIs. Learn more		
H Library	To protect you and your user	OAuth client created		CONFIGURE CONSENT SCREEN
₩ OAuth consent screen	API Keys	The client ID and secret can always be accessed from Credentials in APIs & Services		
 Domain verification Page usage agreements 	Name Crea	 OAuth is limited to 100 sensitive scope logins until the OAuth consent screen is published. This may require a verification process that can take several days. 	Usage with all services (last 30 days) 🔞	
	OAuth 2.0 Client IDs Name Focus SIS	Your Client ID Final Secret	092192-04cm	/ i ±
	Service Accounts			Manage service accounts
¢I	No service accounts to display			

19. Log in to the Focus site that you want to connect to the Google API. From here, you can use your Client ID and Client Secret to follow the <u>Setting Up Google Classroom API Integration</u> procedure and complete the setup.

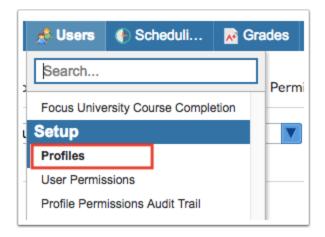
Setting Up Google Classroom API Integration

• You must be on Version 10.0 or the latest Version 9.1 to utilize the Focus API integration with Google Classroom.

Setting Up Admin Profiles

Permissions to view and edit specific screens can be assigned to users by profile. Permissions for one or multiple profiles can be viewed and edited at one time.

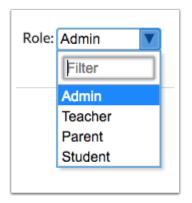
1. In the Users menu, select Profiles.



2. In the Permissions tab of the Profiles screen, select the **Menu** option from the **Permission Type** pull-down.

Permission Type:	Menu 🔽
	Filter
	Menu
	Schedule Fields
	Student Fields
	User Fields
	Employee Fields

3. Select the **Admin** option from the **Role** pull-down.



4. Select the desired **Profiles**. One or multiple profiles can be selected.

rofiles	System Admin Support, System Administrator	
	sys	
	Check all visible Clear selected	
	System Admin View	0
	System Admin Support	
	System Administrator	

5. Click Submit.

Profiles: System Admin Support, System Administrator	Edit Profiles	Submit	
--	---------------	--------	--

6. Navigate to the **Setup** menu, **System Setup** sub-menu. Select the **View** checkbox next to **Third Party Systems** to give the profile users read-only access. Select the **Edit** checkbox next to **Third Party Systems** to give the profile users edit rights.

S Profiles SIS	ERP	Zine Wei	Focus High School - 0101			2018-2019	3rd 9 Wee
Permissions Module Report Pro	ńie Report	Perm	hission Report				
ermission Type: Menu	Role: Admin	۷	Profiles: System Administrator			Edit Profiles	it Sin
Setup							
Portal	- Yee -	ian R	System Setup	Ver B	58K		
Portal	R	8	System Preferences	8	×.	1	
Allow Login	2		Site Administration		8	1	
Package: SIS			Letterhead Templates	8	8	1	
Package: Finance	8		Address Catalog	8		1	
Messenger: Restrict Access			Gradebook Templates	12	12	1	
Messenger: Remove Profile from Search			Gradebook Comment Codes	×.	12	1	
Messenger: Receive Messages Only			Grade Posting Averaging	8	2	1	
Enable Terms and Conditions			School Fields	R	2	1	
Require Two Factor Authentication			Translations	12	12	1	
Portal Editor	R	R	Application Editor	8		1	
Portal Messages	8		Login History	8	2	1	
Automated Cron Messages	2		Lockers	8	8	1	
			Community App	8	8	1	
			Third Party Systems	8			
			Send user as "admin"			1	
			Send user as "teacher"		0		
			Send user as "proctor"		0		
			Send user as "aide"		0		
			Edit Rules & Workflow	8]	
			Form Builder	12	12	1	
			Edit Form Actions				

7. Click the **Save** button to complete the process.

In best practice, access to View or Edit Third Party Systems should be restricted to Super User System Admin profiles.

Setting Up the API Integration

Focus' easy to use Third Party Systems allows end-users to configure their integrations through the interface.

1. In the Setup menu, select Third Party Systems.

Jª Setup	Students	📌 U
Search		
Community	Арр	
Third Party	Systems	
Edit Rules &	& Workflow	
Form Builde	er	
Approval FI	ow	

2. Any existing third party systems set up for the district or school are displayed in the table. To add a new third party system, enter the information in the blank row at the top of the table.

	Filter: OFF Toggle Columns							
		Title	Icon	Version	Dialect ♦	Read Access ≜	Write Access 🛊	
			Upload Clear	1.0 🔻	Focus			
1	-	Microsoft Classroom	Upload Clear	1.0	OneRoster	Address, Assignment, Ass	Assignment, Grade	
	-	Schoology	Upload Clear	1.0	OneRoster	Address, Assignment, Ass	Assignment, Grade	
1	-	ALL in Learning	Upload Clear	1.0	Focus	Address, Assignment, Ass	Assignment, Grade	
1		Its Learning	Upload Clear	1.0	OneRoster	Address, Assignment, Ass	Assignment, Grade	
1	-	Canvas	Upload Clear	1.0	OneRoster	Address, Assignment, Ass	Assignment, Grade	

The information should be entered as such:

Title: Google Classroom

Version: 1.0

Dialect: Google Classroom

3. Once the **Title**, **Version**, and **Dialect** have been selected, press **Enter** to add the third party system to the table. Additions and changes to third-party systems auto-save.

	•		• •	•	0 *	•	0
	Title \$	Icon	Version \$	Dialect \$	Read Access \$	Write Access \$	Sc
		Upload Cear	1.0	Focus			C
-	Google Classroom	Upload Clear	1.0	Google Classroom			C
-	Schoology	Upload Clear	1.0 🔻	OneRoster 💌	Academic Record, Addres 🔻		C
-	ALL in Learning	Upload Clear	1.0	Focus	Academic Record, Addres Y		C
-	Its Learning	Upload Clear	1.0	OneRoster 💌	Academic Record, Addres V		C
_	Canvas	Upload Clear	1.0 🔻	OneRoster	Academic Record, Addres	Assignment, Grade	IC.

4. Next, the following columns should be populated:

Read Access: The Read Access pull-down lists all the resources (data-types) available. For the Google Classroom integration, you do not need to populate any resources.

Write Access: The Write Access pull-down lists all the resources (data-types) available. For the Google Classroom integration, you must populate **Assignment** and **Grade**.

Schools: The Schools pull-down lists all schools set up in Focus. If nothing is selected, the third party system will be configured to send for all schools. If the third party system should be configured for only select schools, select the desired schools from the pull-down. Multiple selections are supported.

	Title 🛊	Icon	Version 🖨	Dialect 🛊	Read Access 🖨	Write Access 🛊	Schools 🛊
		Upload Clear	1.0	Focus			
-	Google Classroom	Upload Clear	1.0	Google Classroom		Assignment, Grade	Beach Elementary School
-	Schoology	Upload Clear	1.0	OneRoster V	Academic Record, Addres V		
-	ALL in Learning	Upload Clear	1.0	Focus	Academic Record, Addres 🔻		
-	Its Learning	Upload Clear	1.0	OneRoster T	Academic Record, Addres 🔻		
-	Canvas	Upload Clear	1.0	OneRoster 🔽	Academic Record, Addres V	Assignment, Grade	

5. When a new third party system is entered, Focus will auto-generate the **Focus API URL** (the base URL used to construct API endpoints), **Focus Client ID** (acts as a "username" to identify the vendor), and **Focus Client Secret** (acts as a "password" to verify the vendor's identity).

	Icon	Focus API URL	Focus Client ID	Focus Client Secret
	Upload Clear			
-	Upload Clear	https://livedemo.focusschoolsoftware.com/darrenk/api/1.0		

Do not share the Client ID or Client Secret with anyone other than the vendor it is intended for.

6. For the External API URL, enter https://classroom.googleapis.com/v1.

For the **External User Auth URL**, enter <u>https://oauth2.googleapis.com</u>.

Enter the **External Client ID** and **External Client Secret** as issued to you by Google during the process <u>Setting Up the Google API in Google Developers</u>.

External API URL 🛊	External User Auth URL 🛊	External Client ID 🛊	External Client Secret 🛓

7. Optionally, when setting up a grade passback third party system, the **Icon** option can be used to add a custom icon to the teacher Gradebook. To add a custom icon, click the **Upload** button located under the **Icon** column. In the pop-up, select the desired icon from your computer.



When successfully loaded, the icon will display in the Icon column.

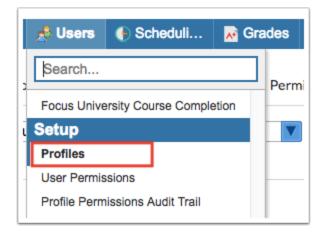


Gradebook 😒				MISS	OWL (Teacl	her) ▼ Beach Quarte	High School (0 r 4 ▼ 04 - 0	0011) 20 010 - CHEM	19-2020 🔻 1 HON 🛟
🔒 Stude 🙀 Grad 📋 Lesso	d Attend	I 🌌 Discipli	A School	My Inf	📰 Forms	₩ ² Perfor	🌚 Emplo	i SSS	🚮 Reports
				Ente	r grades by	Points	¢ 🗌 Include I	nactive Stud	lents Save
All Assignments 🛟 🖈 Add Assignment	nt Add Test	Unlink Goog Log Out	le Classroom Cl	ass					₩ Reports
27 Students 📴							She She	ow First 9 As	signments 🖣
Student	Grade	Student ID	G	arade Level		Lab Assig (100P - 10Q) (Assigned 3/	19) 		* 🖪
Brendano Ryann Alejandro 🕎 📋	Not Graded	153976	1	0					NG
Barbara Maria Bonilla 🕎 📋	Not Graded	154177	1	0					NG
Candice Jacob Campos	Not Graded	155270	1	0					NG
Eric Leonel Cavazos	Not Graded	176715	1	2					NG
Helena Marie Denson 戻 Gifted Student 뉯	Not Graded	175211	1	0					NG
Allison Ryan Enoch	Not Graded	154947	1	0					NG
James Kenneth Evans 🕎 📋	Not Graded	154776	1	0					NG
Jose Ferrari 🕎 📋	Not Graded	154606	1	0					NG
Donnell James Garay	Not Graded	153666	1	0					NG
Illel Vladimirov Grant 対 📋	Not Graded	154933	1	0					NG

Setting Up Teacher Access

Teachers must be granted access to Google Classroom under profile permissions.

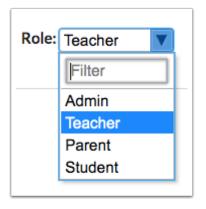
1. In the Users menu, select Profiles.



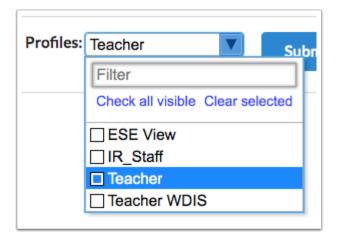
2. In the Permissions tab of the Profiles screen, select the **Menu** option from the **Permission Type** pull-down.

Permission Type:	Menu 🔽
	Filter
	Menu
	Schedule Fields
	Student Fields
	User Fields
	Employee Fields

3. Select the **Teacher** option from the **Role** pull-down.



4. Select the desired **Profiles.** One or multiple profiles can be selected.



5. Click Submit.

Permissions	Module Report	Profile Report	Permission Re	port			
Permission Type	Menu	Role:	Teacher V	Profiles: Teacher	Edit Profiles	Submit	Save

6. Navigate to the Grades menu and select the **View** checkbox next to **Show Google Classroom**.

	View 2
Gradebook	
Show Google Classroom	¥
Gradebook Configuration	
Gradebook Categories & Assignments	
Edit Template Category Color	
Gradebook Reports	
Request Grade Changes	

- 7. Click the **Save** button to complete the process.
 - Your teachers must have an email address saved in Focus in order to utilize Google Classroom. It must be the same email address used to set up their Google Classroom account. This email address can be entered into the system user field Google Classroom Email Address if it is not the same email stored in the standard email user field (users.custom_10000001). If no value is stored in Google Classroom Email Address, the system will default to the email address entered into users.custom_10000001.

Google Classroom for Teachers

Please download the Focus University training document "Google Classroom for Teachers" for information on how teachers can integrate Google Classroom and Focus.

Google Classroom Integration with the Focus Gradebook Video Lesson

This video is intended for teachers as a resource for setting up the Google Classroom integration in Focus, creating assignments in Focus, viewing and grading student work in Google Classroom and then syncing assignment grades back into Focus.