

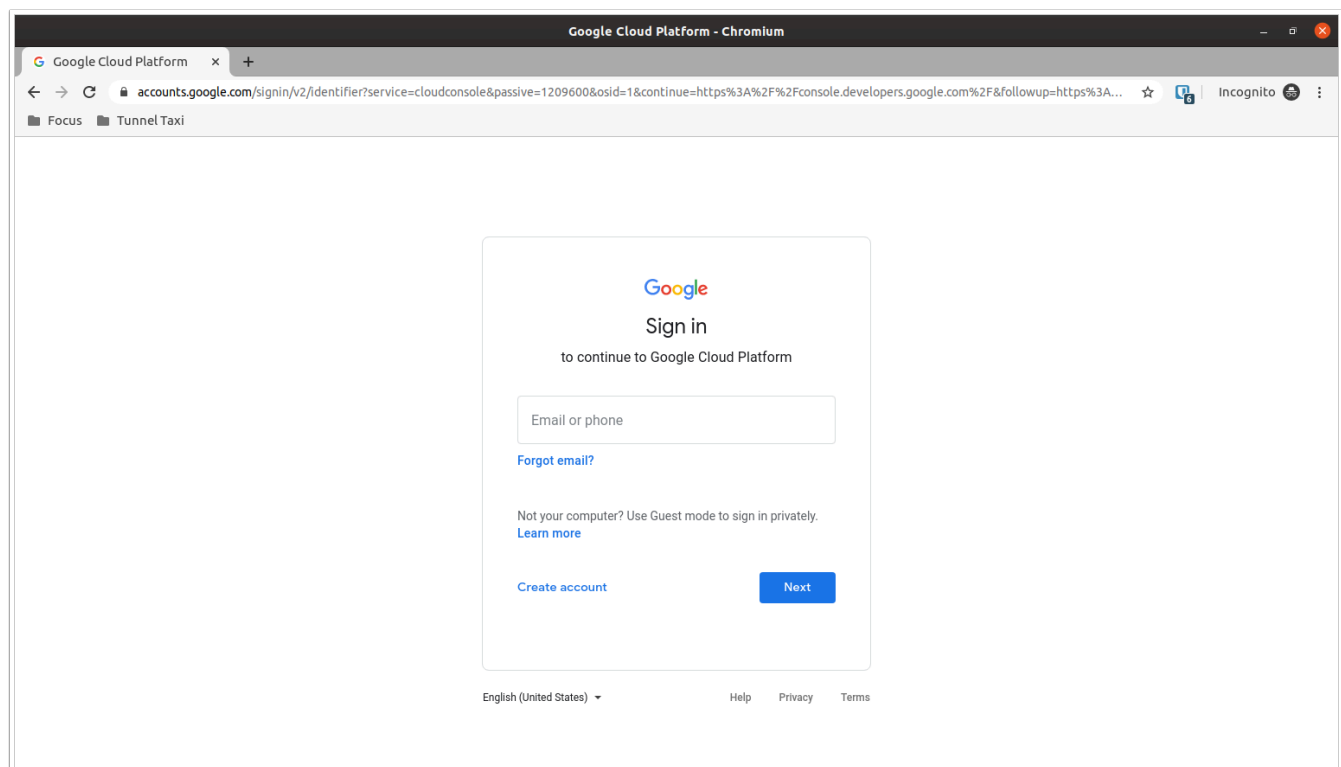
Leveraging Focus & Google Classroom for Online Learning

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 [HERE](#) to learn more.

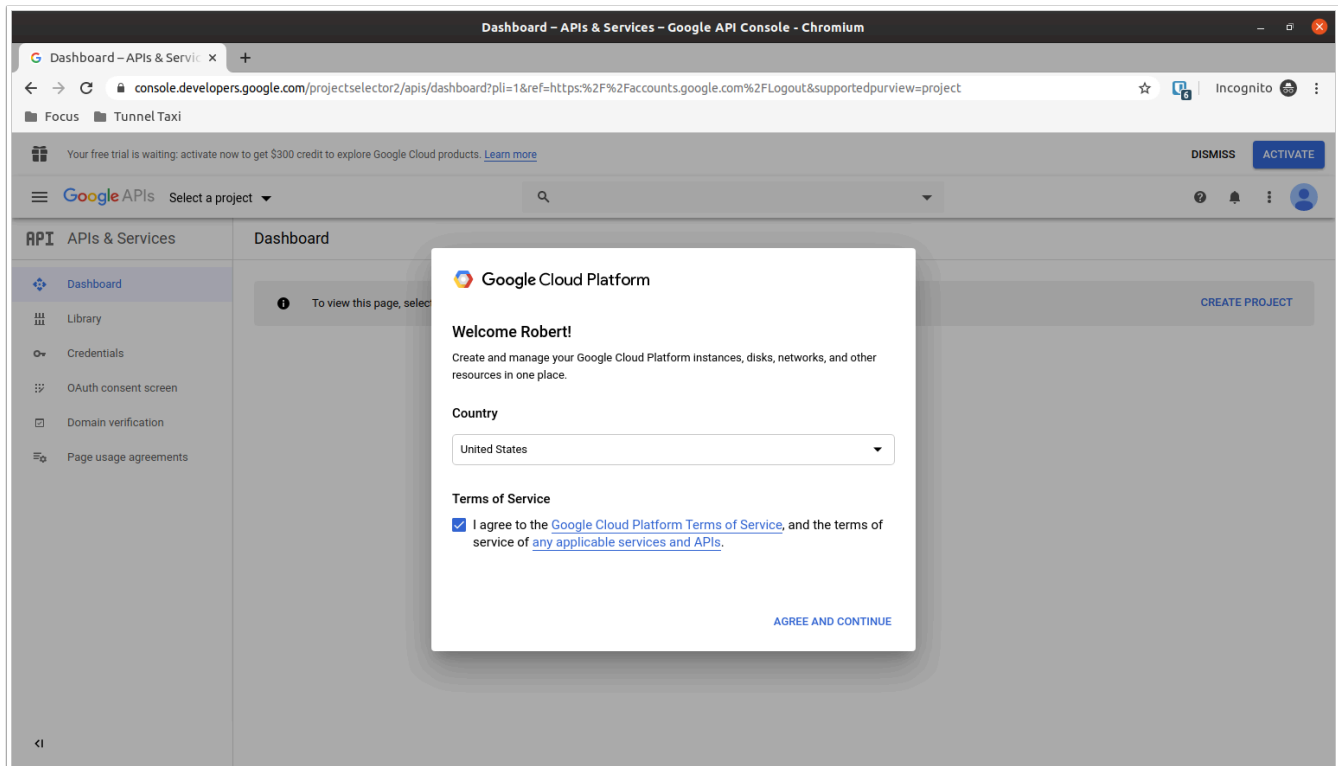
Your Focus Student Information System includes a built-in Application Programming Interface (API) Grade Passback (the syncing of assignments and grades) that seamlessly integrates with Google Classroom.

Setting Up the Google API in Google Developers

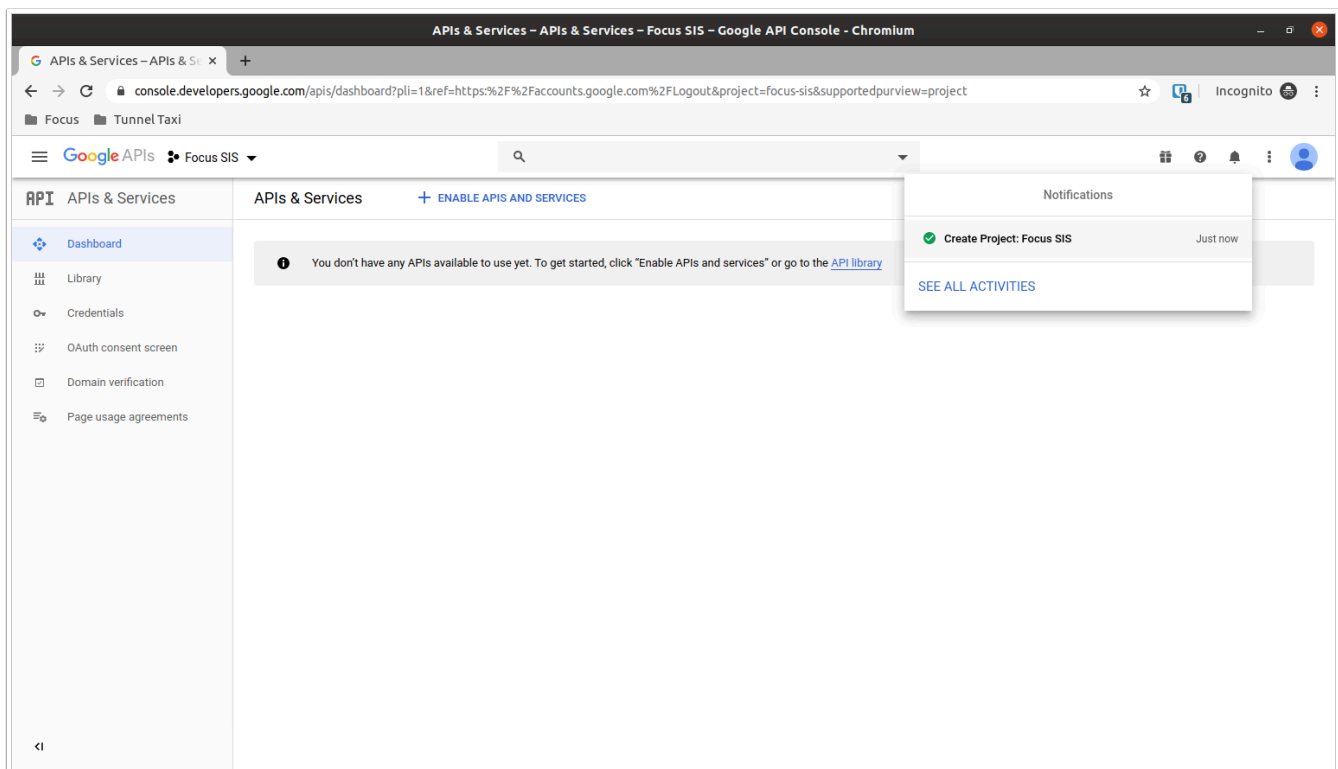
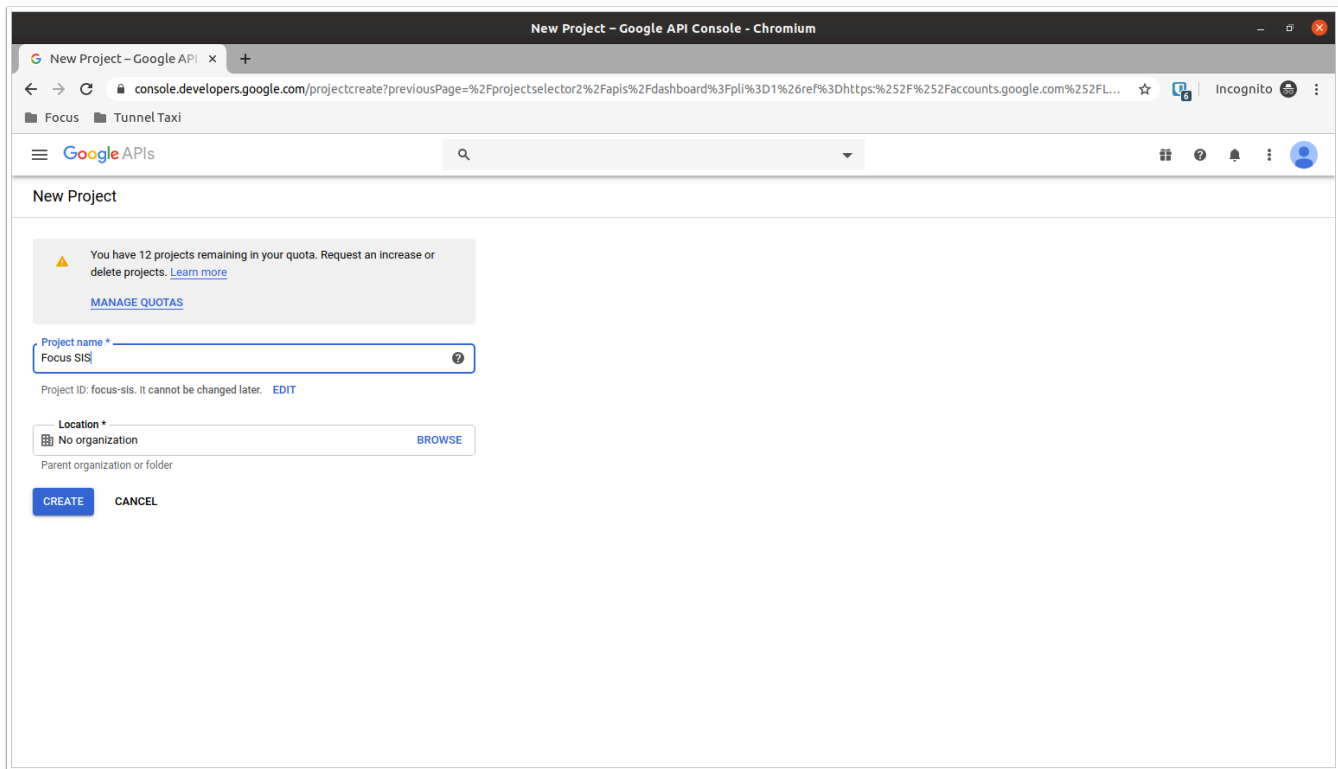
1. Navigate to <https://console.developers.google.com/>.



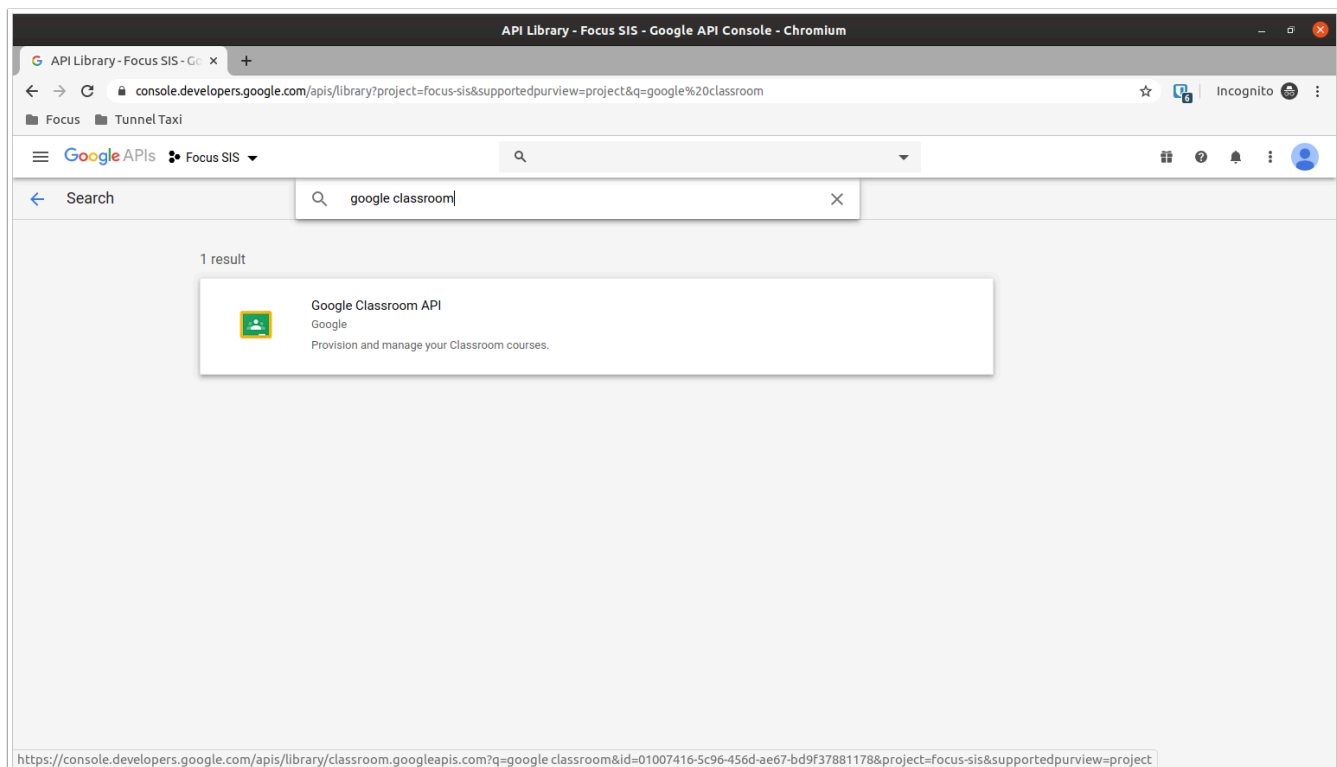
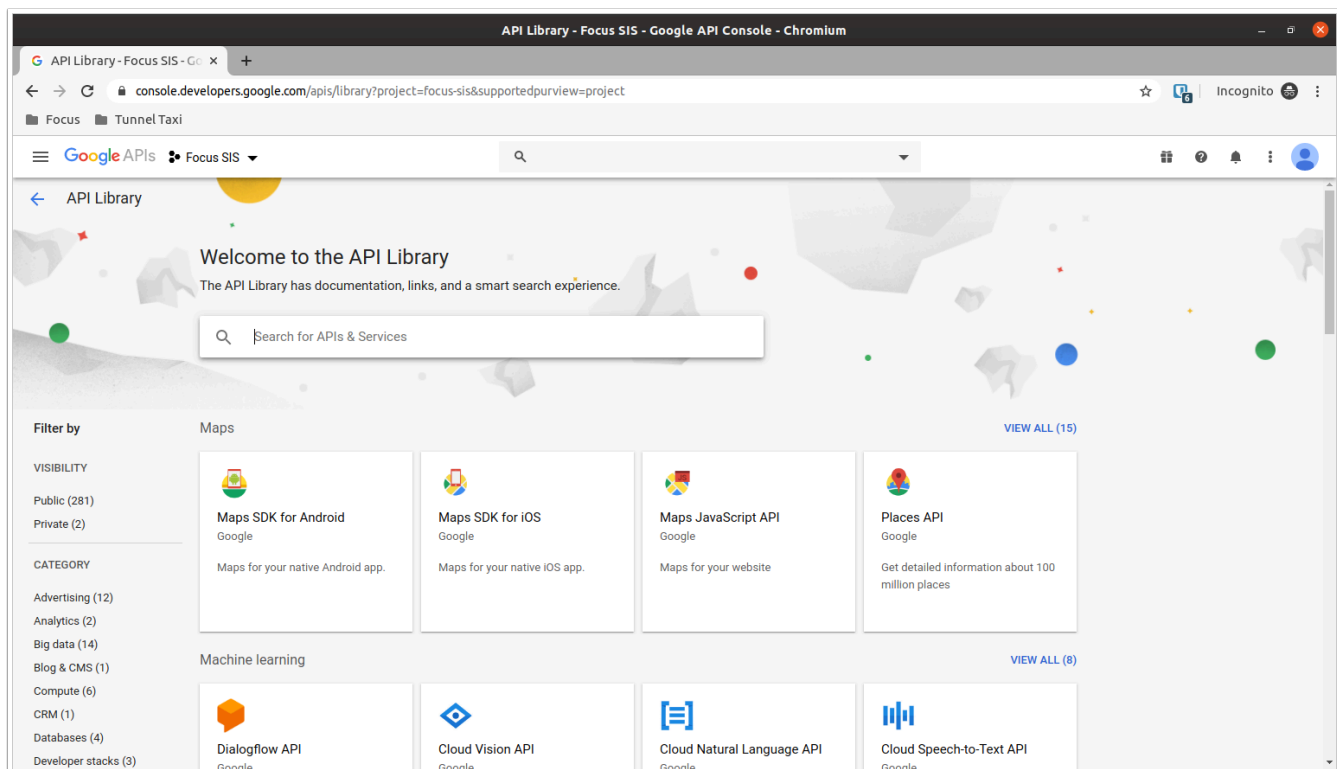
2. If your district uses G Suite, log in with your G Suite administrator credentials. Otherwise, log in with the Google Account you wish to use to manage the API credentials.
3. If this is the first time you have logged in to the Google Cloud Platform, you may need to agree to Google's Terms of Service.

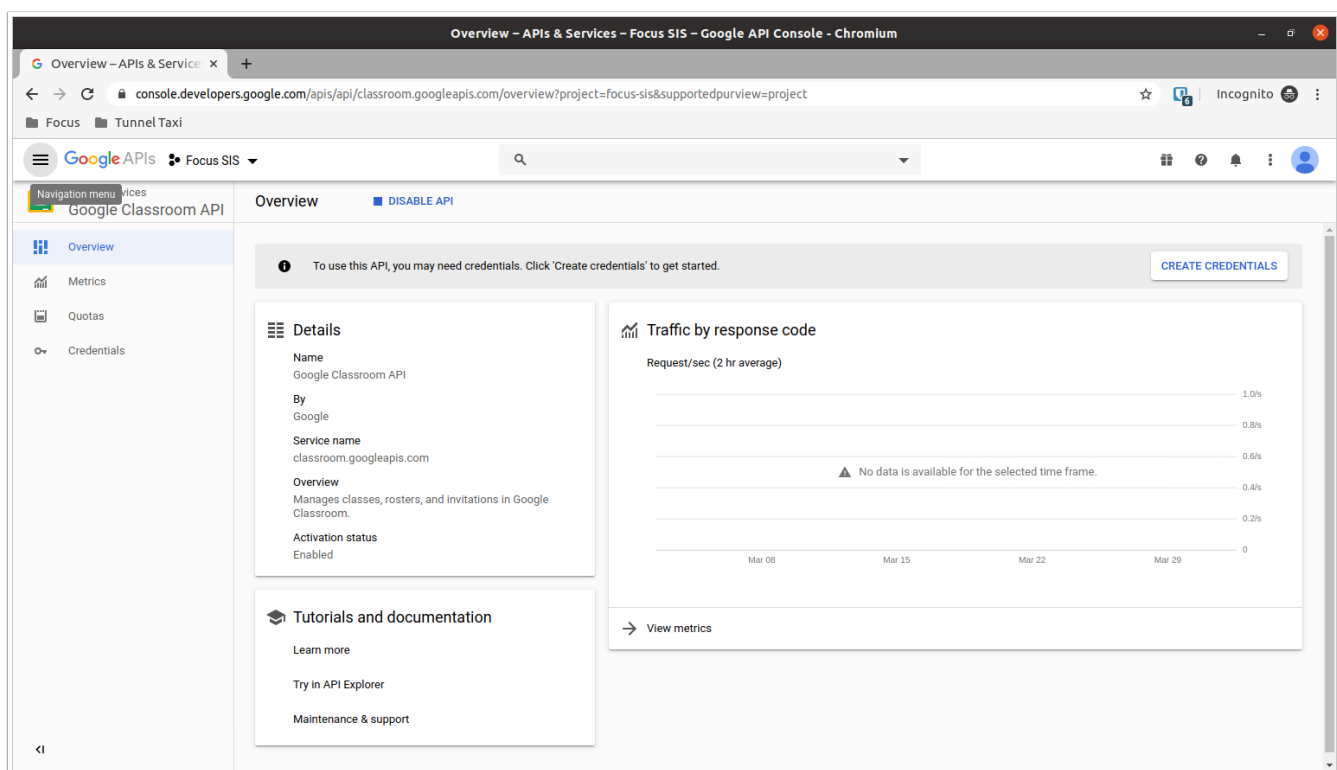
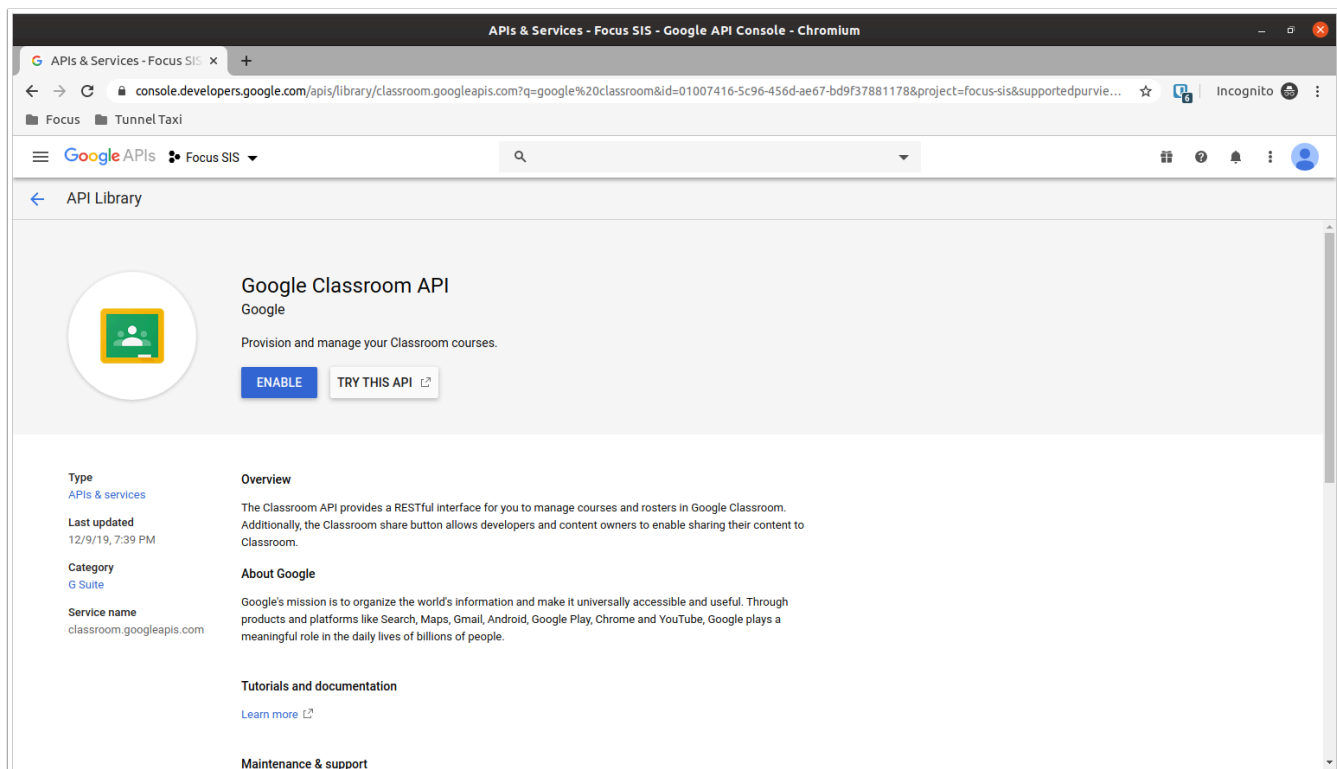


4. If you have not previously created a project in the Google Cloud Platform, click **Create Project**. Fill in the **Project name** and, optionally, Organization.

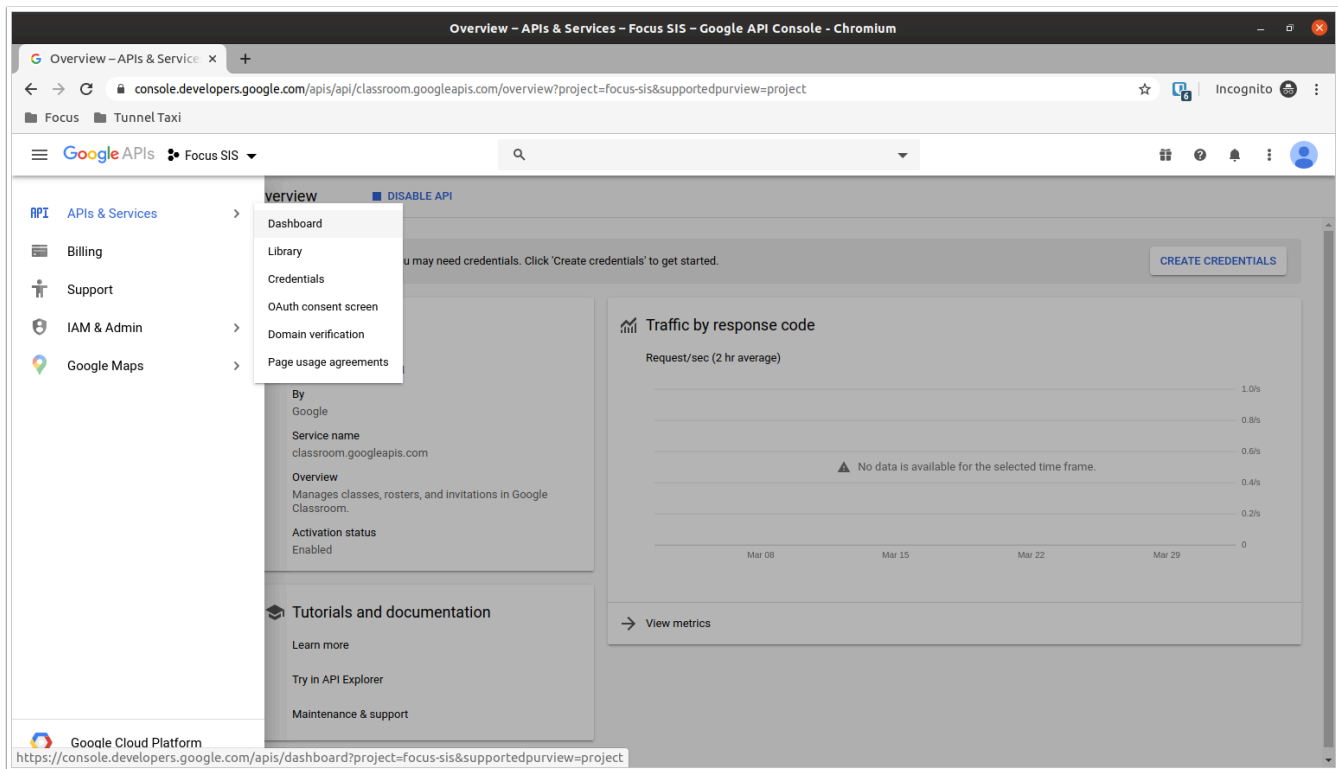


5. Click **Enable APIs and Services**, and enable the **Google Classroom API**.

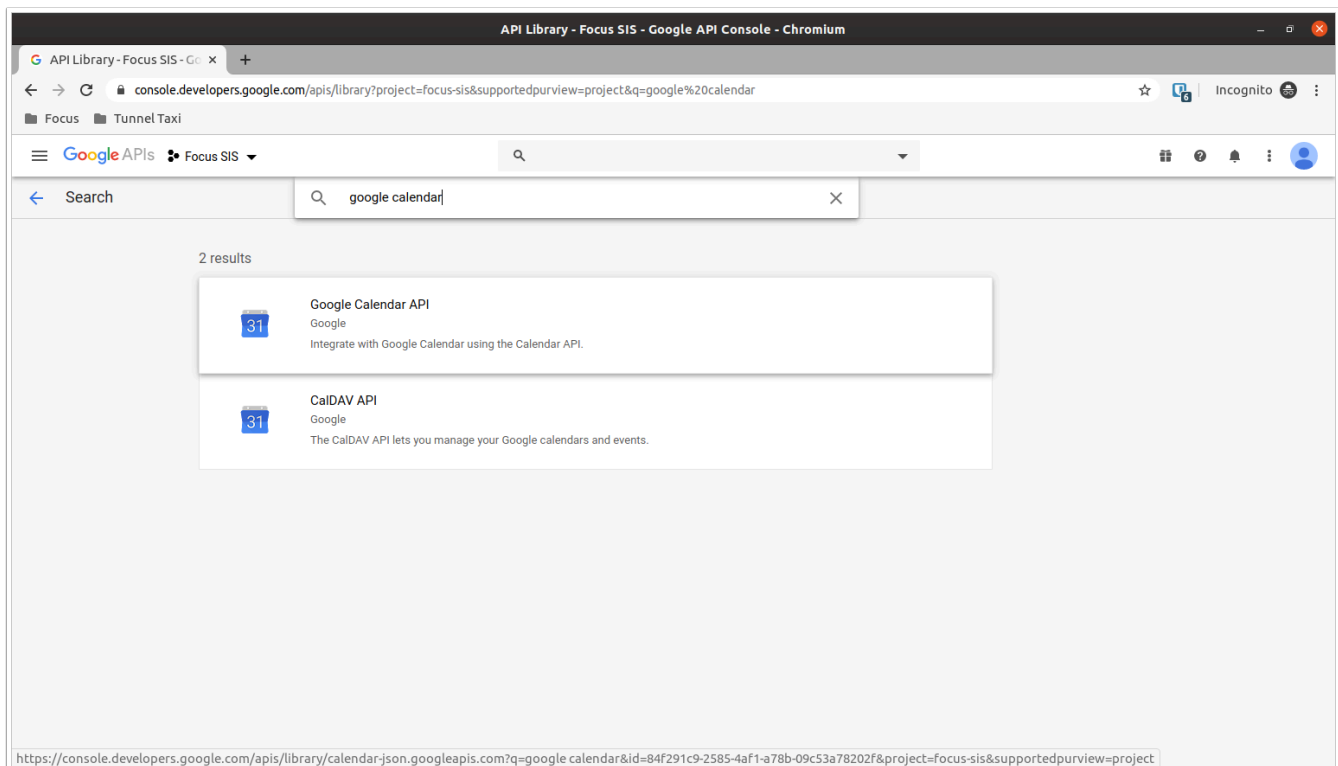


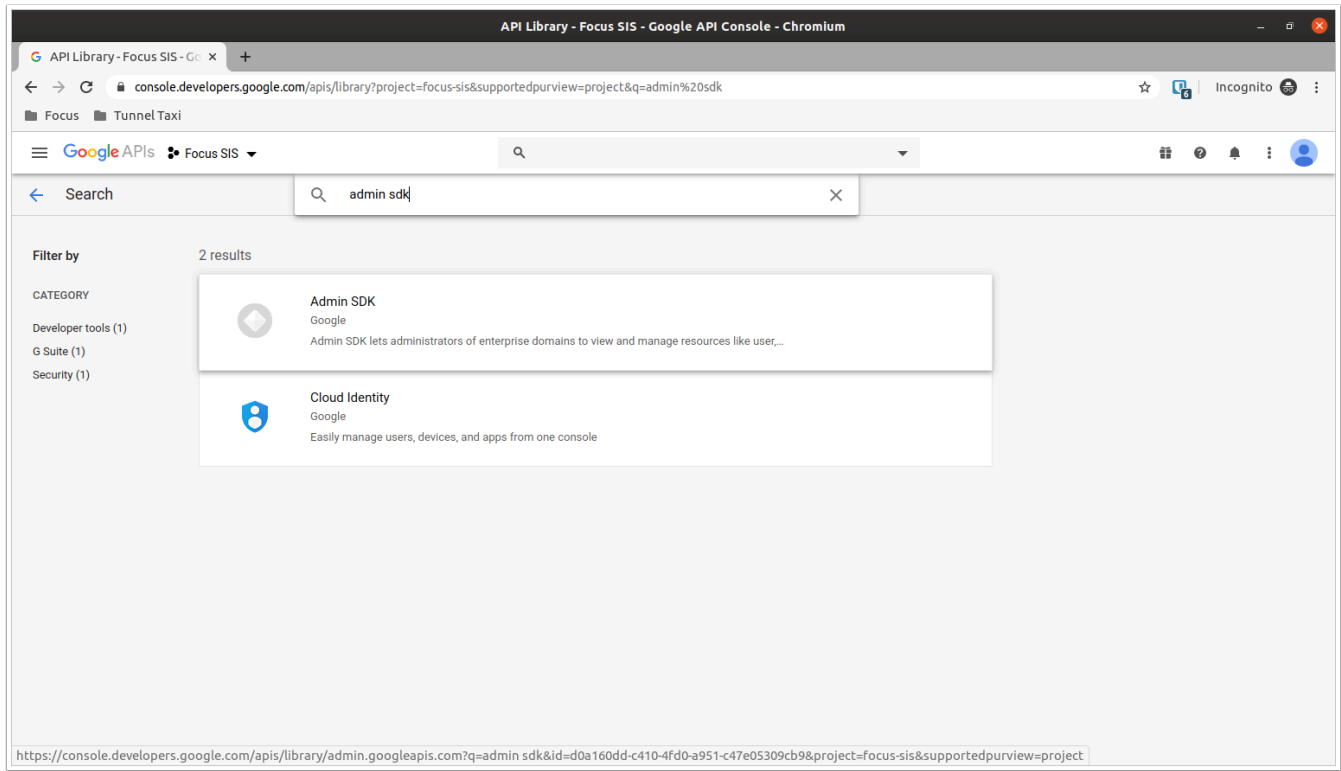


6. Return to the main Google APIs dashboard by clicking the navigation menu -> **APIs & Services -> Dashboard**.

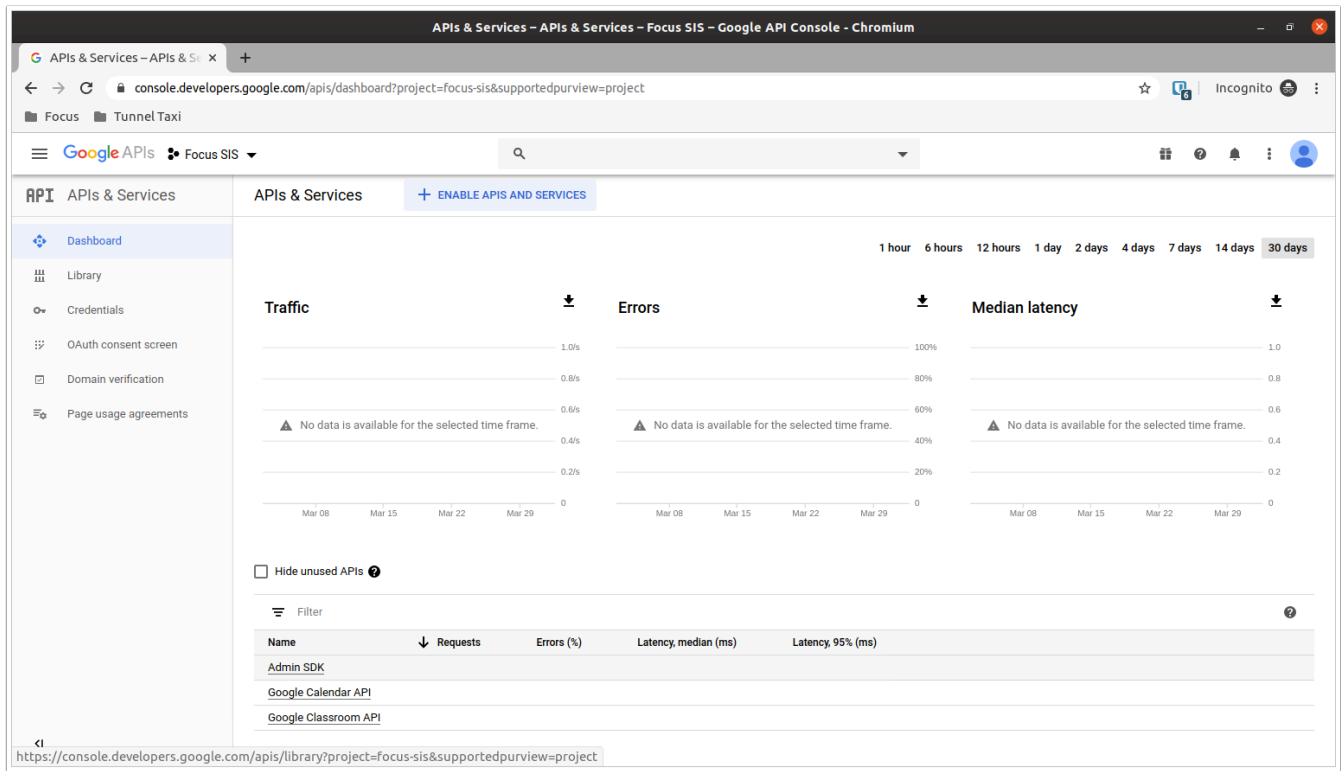


7. Repeat steps 5-6 for the **Google Calendar API** and the **Admin SDK**.

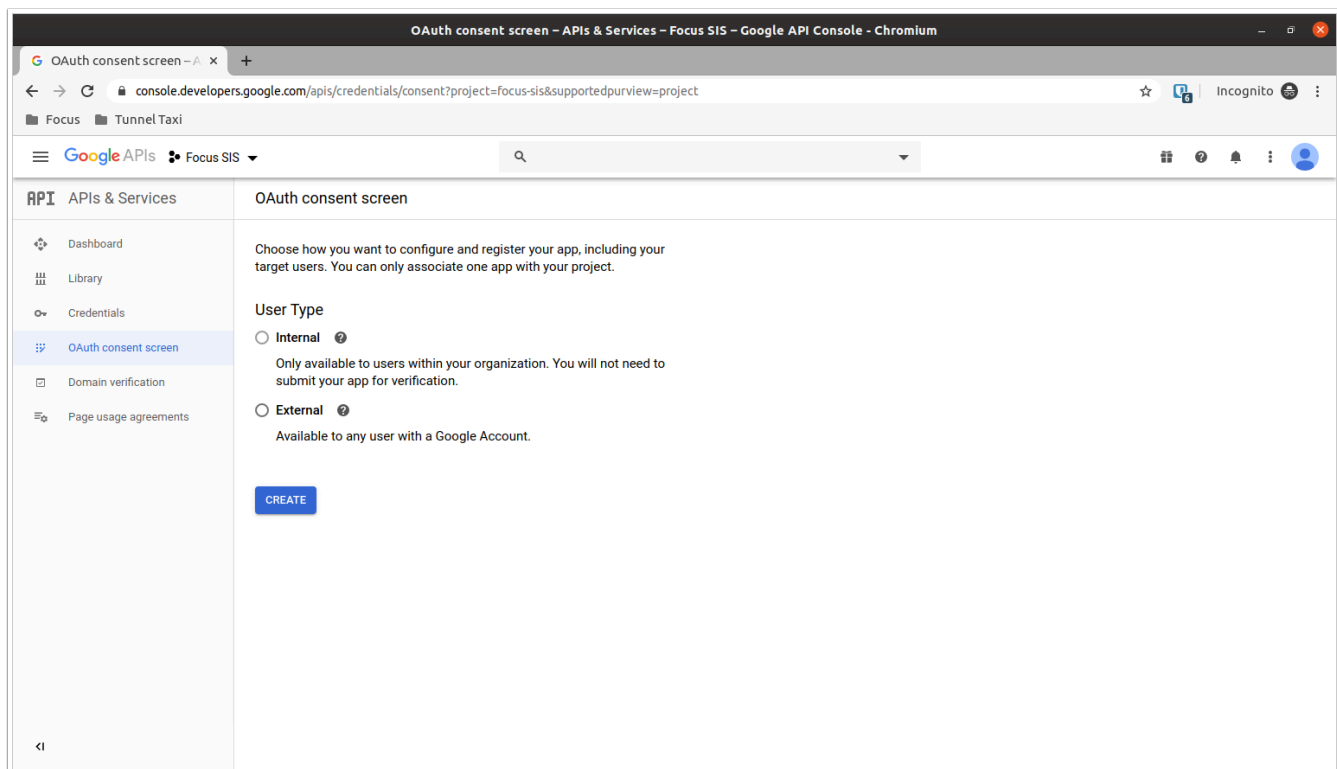




8. Ensure that you now see the Google Classroom API, Google Calendar API, and Admin SDK on the main Google APIs dashboard at the bottom of the screen.

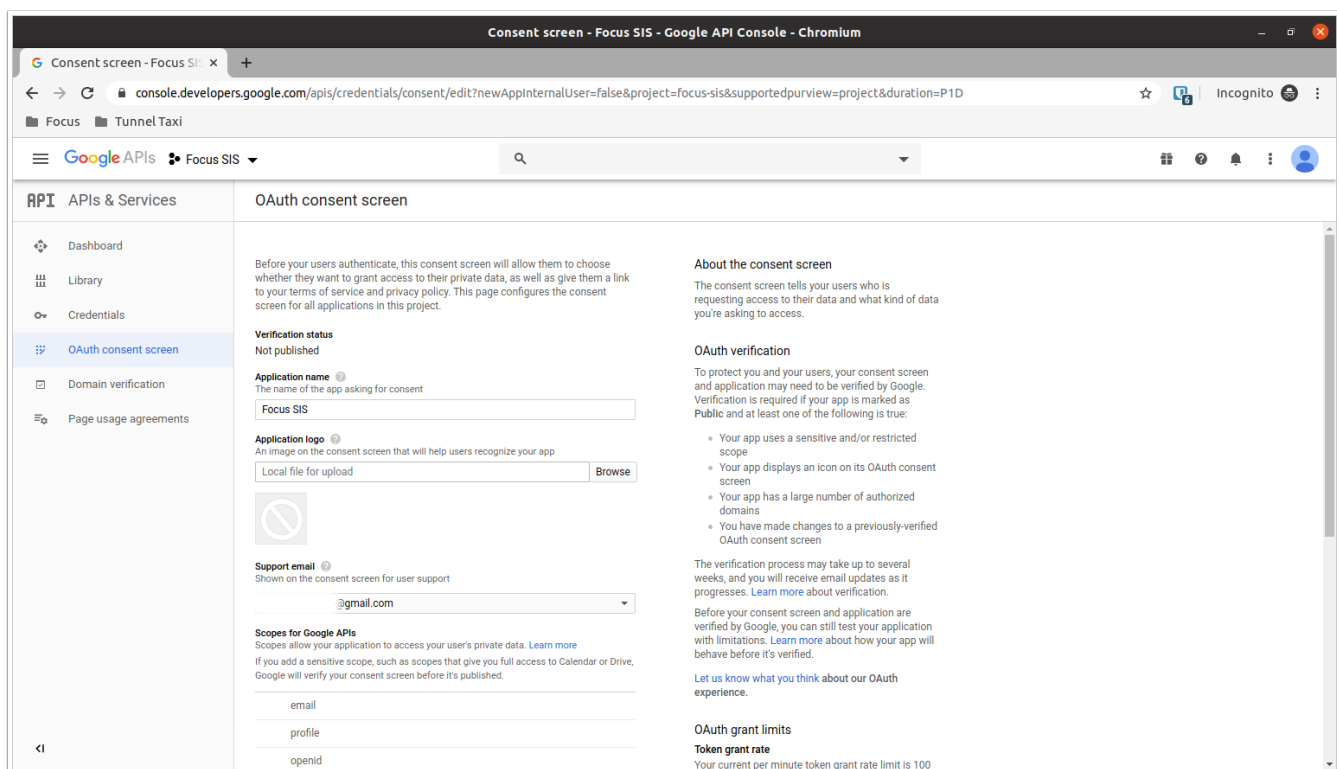


9. From the navigation menu, select **OAuth consent screen**.

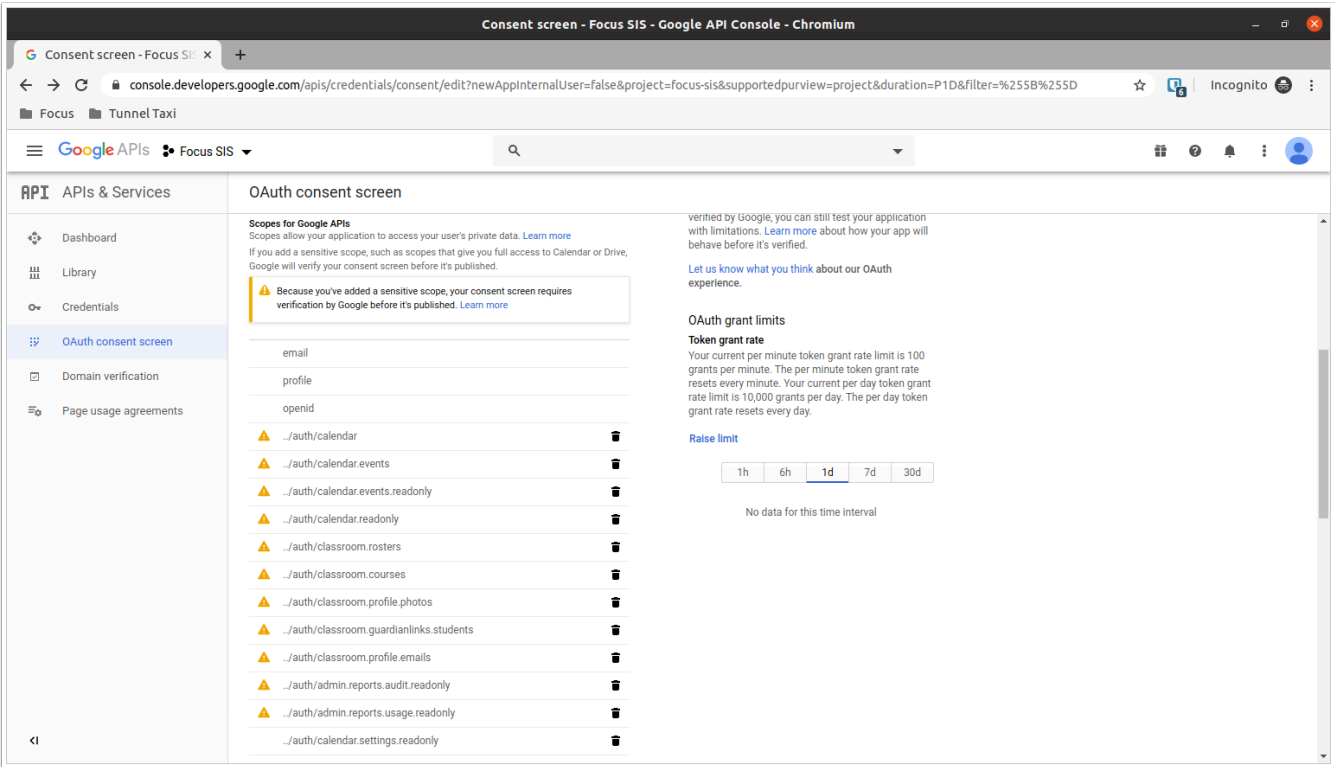
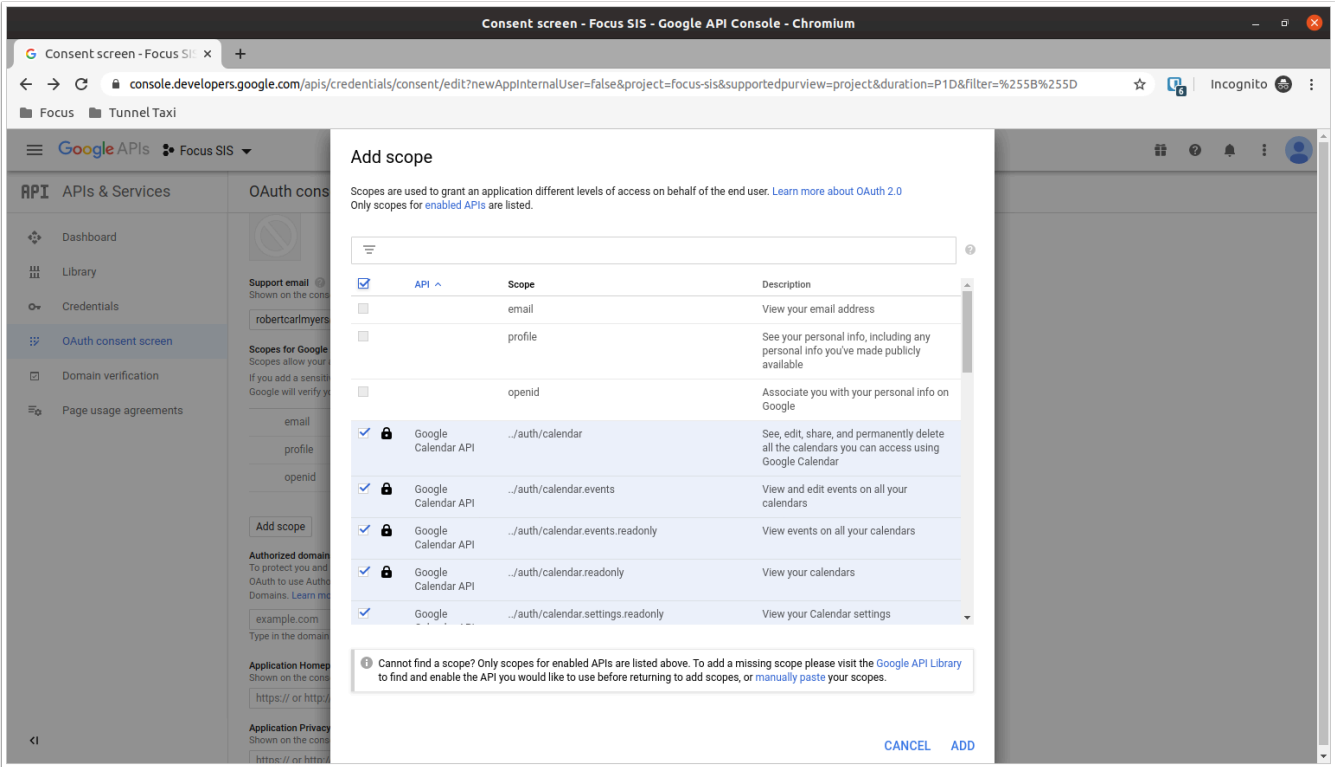


10. If your district uses G Suite, select **Internal**. Otherwise, after reading the [limitations for unverified apps](#), select **External**.

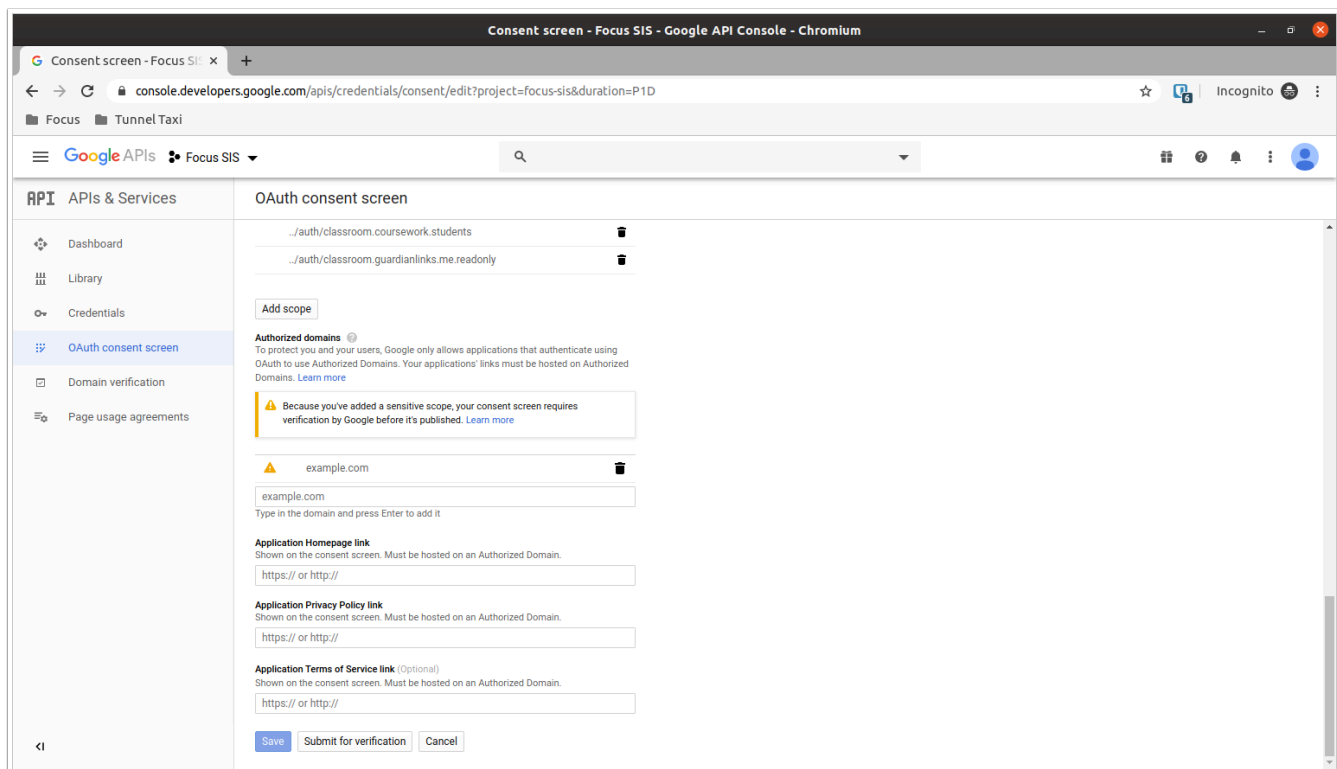
11. Enter **Focus SIS** as the **Application name** and optionally upload a logo to be displayed on the Google login screen. Verify that the **Support email** is correct.



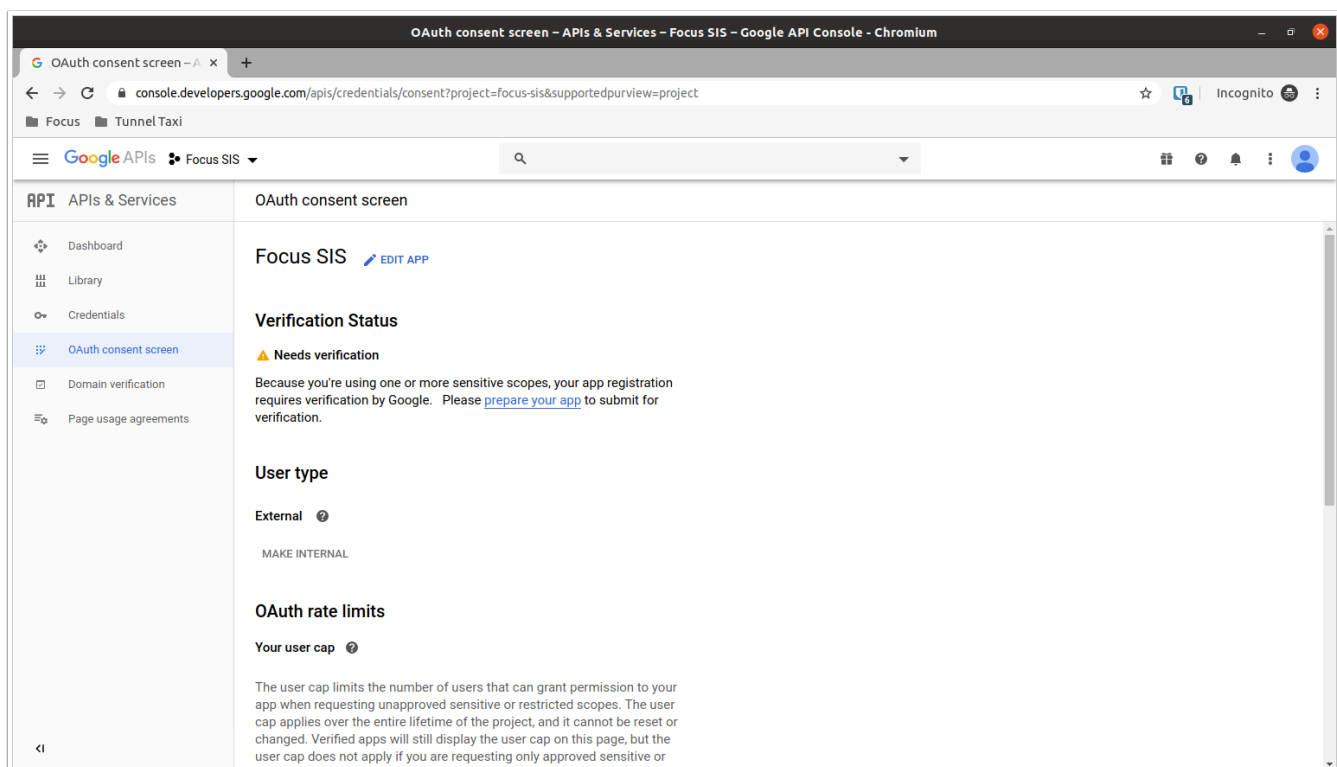
12. Click **Add Scope**, click the checkbox on the top right of the table to select all scopes for the enabled APIs, and then click **Add**.



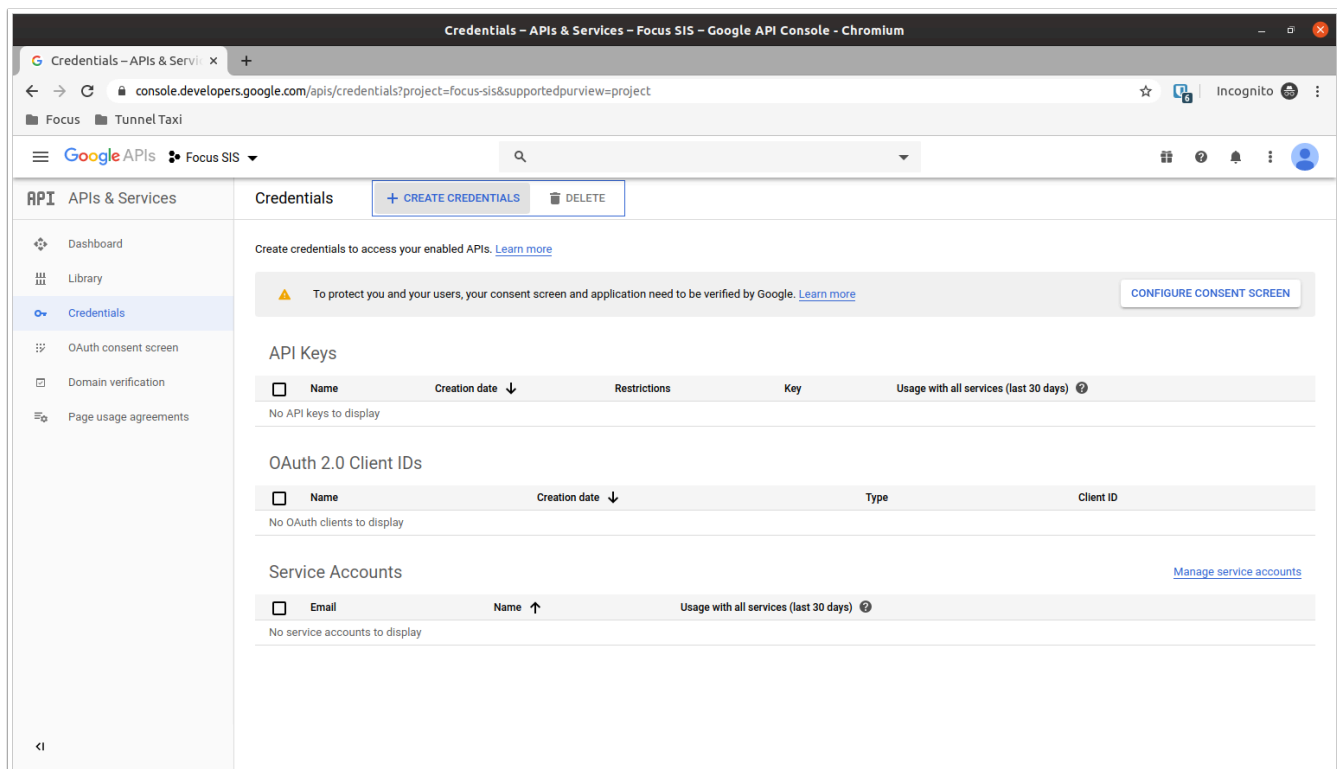
13. Add the district's domain name under **Authorized domains**. If the district's production site is https://example.com/focus, the domain name is example.com.



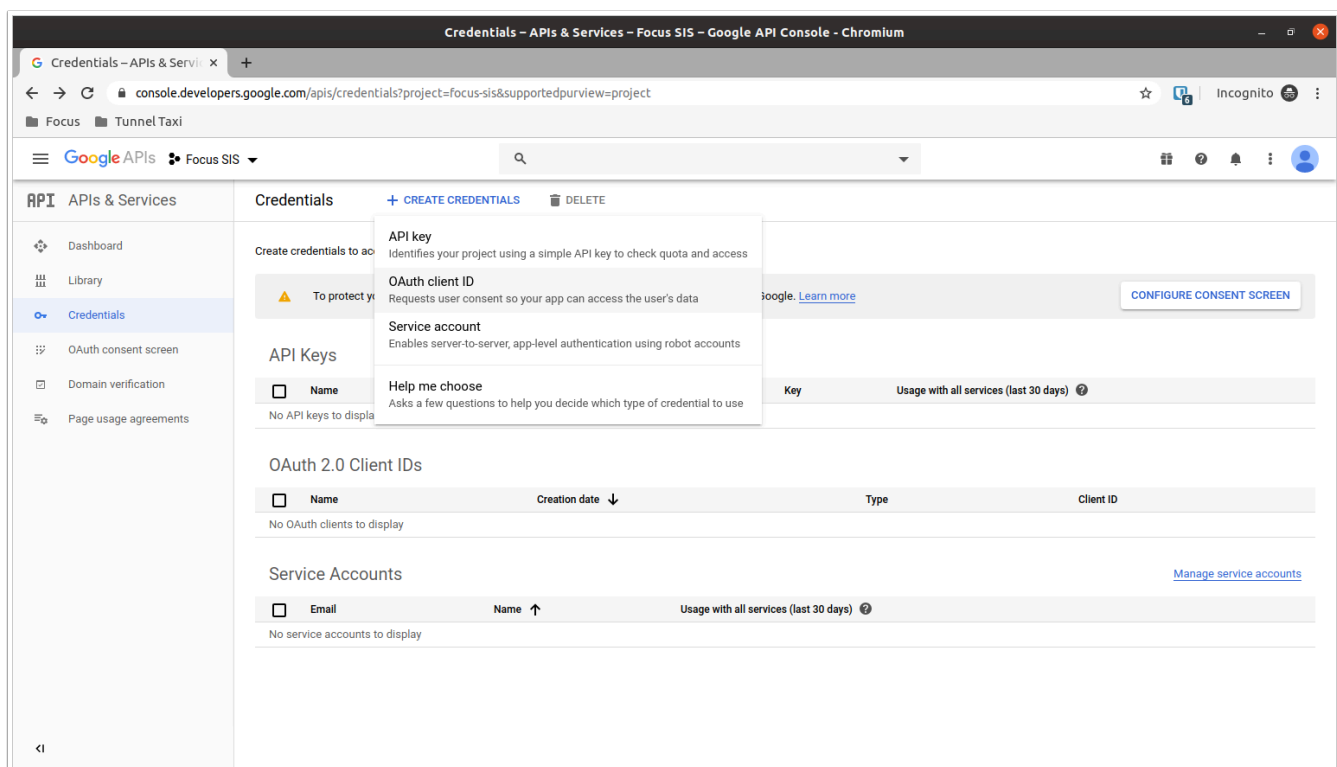
14. Scroll to the bottom of the page and click **Save**. You now should see the following screen.



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



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



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

console.developers.google.com/apis/credentials/oauthclient?previousPage=%2Fapis%2Fcredentials%3Fproject%3Dfocus-sis&project=focus-sis

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 to generate an access token. The token contains a unique identifier. See [Setting up OAuth 2.0](#) for more information.

Application type

- ☒ Web application
- ☐ Android [Learn more](#)
- ☐ Chrome App [Learn more](#)
- ☐ iOS [Learn more](#)
- ☐ Other

Name

Focus SIS

Restrictions

Enter JavaScript origins, redirect URIs, or both [Learn More](#)

Origins and redirect domains must be added to the list of Authorized Domains in the [OAuth consent settings](#).

Authorized JavaScript origins

For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (https://*.example.com) or a path (https://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

https://www.example.com

Type in the domain and press Enter to add it

Authorized redirect URIs

For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

https://example.com/focus/redirect.php

https://www.example.com

Type in the domain and press Enter to add it

Create Cancel

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.

Credentials - APIs & Services - Focus SIS - Google API Console - Chromium

console.developers.google.com/apis/credentials?highlightClient=539941983103-e4smor908gv6vr1l48r8n5jlpdp20d7l.apps.googleusercontent.com&clientUpdateTime=2020-04-0...

Credentials

Create credentials to access your enabled APIs. [Learn more](#)

API Keys

No API keys to display

OAuth 2.0 Client IDs

Focus SIS

Service Accounts

No service accounts to display

OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services

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.

Your Client ID

Your Client Secret

OK

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 [Setting Up Google Classroom API Integration](#) procedure and complete the setup.

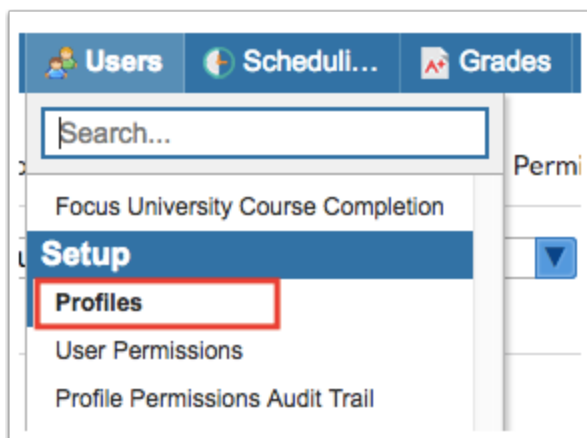
Setting Up Google Classroom API Integration

i 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.

Role: Admin ▼

Filter

- Admin
- Teacher
- Parent
- Student

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

Profiles: System Admin Support, System Administrator ▼

sys

[Check all visible](#) [Clear selected](#)

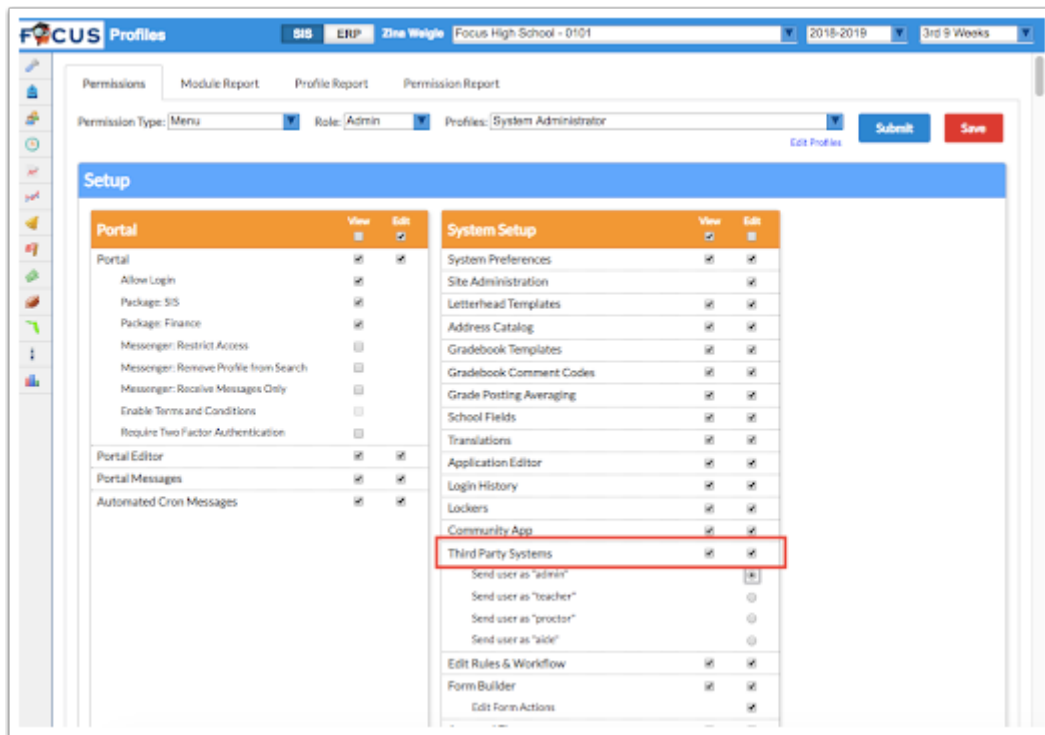
- ☐ System Admin View
- ☒ System Admin Support
- ☒ System Administrator

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.



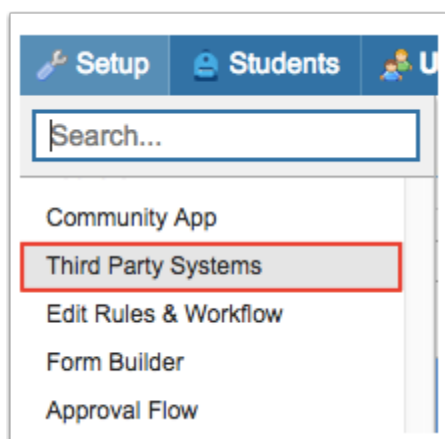
7. Click the **Save** button to complete the process.

! 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**.



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.

FOCUS Third Party Systems SIS ERP Octavia Morelli Owl High School - 0041 2019-2020 1st 9 Weeks

Filter: OFF Toggle Columns

Title	Icon	Version	Dialect	Read Access	Write Access
	 Upload Clear	1.0	Focus		
Microsoft Classroom	 Upload Clear	1.0	OneRoster	Address, Assignment, Ass...	Assignment, Grade
Schoology	 Upload Clear	1.0	OneRoster	Address, Assignment, Ass...	Assignment, Grade
ALL in Learning	 Upload Clear	1.0	Focus	Address, Assignment, Ass...	Assignment, Grade
Its Learning	 Upload Clear	1.0	OneRoster	Address, Assignment, Ass...	Assignment, Grade
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.







Filters: ON		Toggle Columns					
Title	Icon	Version	Dialect	Read Access	Write Access	Schools	
	 Upload Clear	1.0	Focus				
Google Classroom	 Upload Clear	1.0	Google Classroom				
Schoology	 Upload Clear	1.0	OneRoster	Academic Record, Address...			
ALL in Learning	 Upload Clear	1.0	Focus	Academic Record, Address...			
Its Learning	 Upload Clear	1.0	OneRoster	Academic Record, Address...			
Canvas	 Upload Clear	1.0	OneRoster	Academic Record, Address...	Assignment, Grade		

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.

Filter: OFF		Toggle Columns					
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	Academic Record, Address...			
ALL in Learning	 Upload Clear	1.0	Focus	Academic Record, Address...			
Its Learning	 Upload Clear	1.0	OneRoster	Academic Record, Address...			
Canvas	 Upload Clear	1.0	OneRoster	Academic Record, Address...	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 <https://oauth2.googleapis.com>.


Enter the **External Client ID** and **External Client Secret** as issued to you by Google during the process [Setting Up the Google API in Google Developers](#).

External API URL ↕	External User Auth URL ↕	External Client ID ↕	External Client Secret ↕
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
.....



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.

Icon





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

	Google Classroom	 <input type="button" value="Upload"/> <input type="button" value="Clear"/>
---	------------------	--

Gradebook MISS OWL (Teacher) Beach High School (0011) 2019-2020 Quarter 4 04 - 010 - CHEM 1 HON

Stude... Grad... Lesso... Attend... Discipli... School... My Inf... Forms Perfor... Emplo... SSS Reports

Enter grades by Points Include Inactive Students Save

All Assignments Add Assignment Add Test Unlink Google Classroom Class Log Out Reports

27 Students Show First 9 Assignments

Student	Grade	Student ID	Grade Level	Lab Assignment (100P - 10Q) (Assigned 3/19)	
Brendano Ryann Alejandro	Not Graded	153976	10	<input type="checkbox"/>	NG
Barbara Maria Bonilla	Not Graded	154177	10	<input type="checkbox"/>	NG
Candice Jacob Campos	Not Graded	155270	10	<input type="checkbox"/>	NG
Eric Leonel Cavazos	Not Graded	176715	12	<input type="checkbox"/>	NG
Helena Marie Denson	Not Graded	175211	10	<input type="checkbox"/>	NG
Allison Ryan Enoch	Not Graded	154947	10	<input type="checkbox"/>	NG
James Kenneth Evans	Not Graded	154776	10	<input type="checkbox"/>	NG
Jose Ferrari	Not Graded	154606	10	<input type="checkbox"/>	NG
Donnell James Garay	Not Graded	153666	10	<input type="checkbox"/>	NG
Illel Vladimirov Grant	Not Graded	154933	10	<input type="checkbox"/>	NG

Setting Up Teacher Access

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

1. In the **Users** menu, select **Profiles**.

Users Schedul... Grades

Search...

Focus University Course Completion

Setup

Profiles

User Permissions

Profile Permissions Audit Trail

Permi

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.

Role: **Teacher** ▼

Filter

- Admin
- Teacher**
- Parent
- Student

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

Profiles: **Teacher** ▼ **Submit**

Filter

[Check all visible](#) [Clear selected](#)

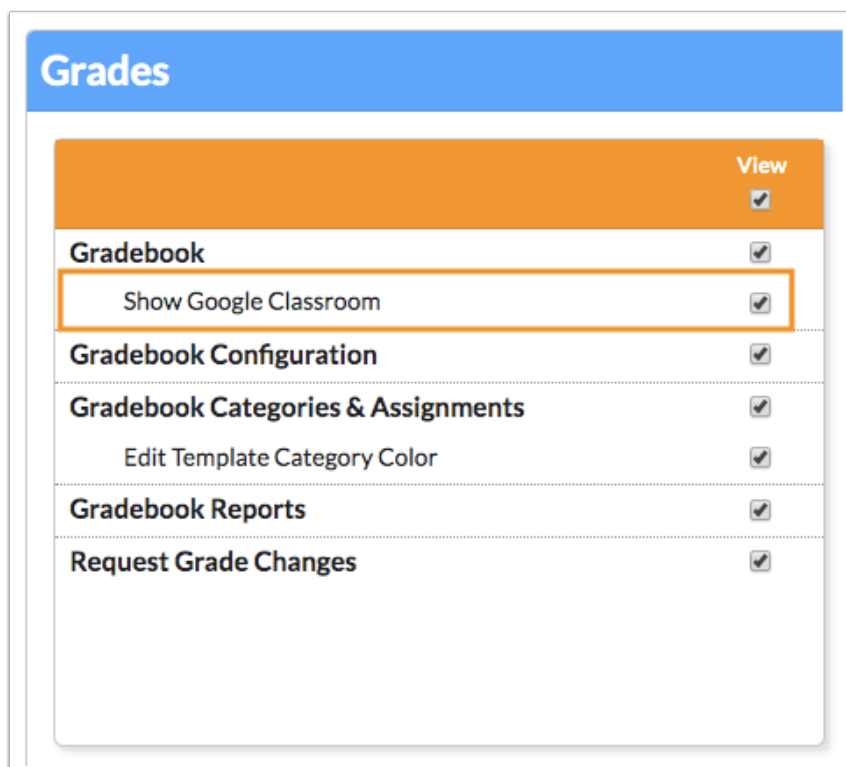
- ☐ ESE View
- ☐ IR_Staff
- ☒ **Teacher**
- ☐ Teacher WDIS

5. Click **Submit**.

Permissions Module Report Profile Report Permission Report

Permission Type: **Menu** ▼ Role: **Teacher** ▼ Profiles: **Teacher** ▼ **Submit** [Edit Profiles](#) **Save**

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



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_100000001). If no value is stored in Google Classroom Email Address, the system will default to the email address entered into users.custom_100000001.

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.