

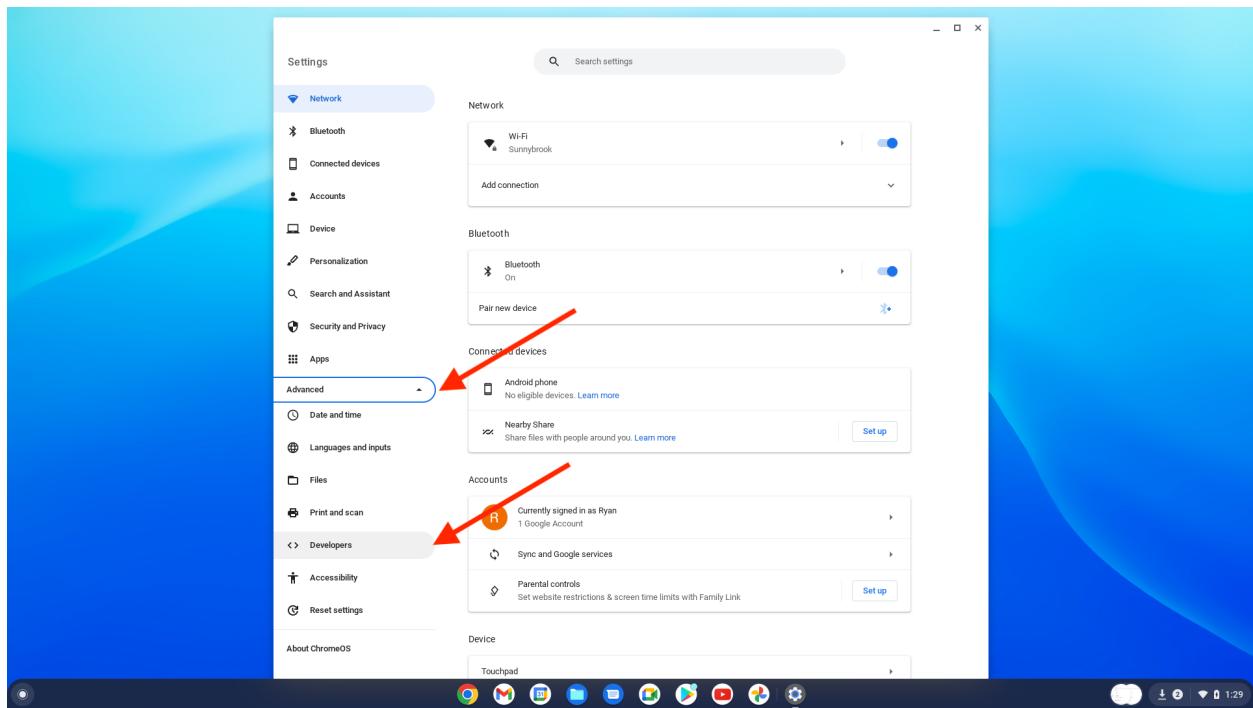
JSTOR Access in Prison Initiative

System Requirements

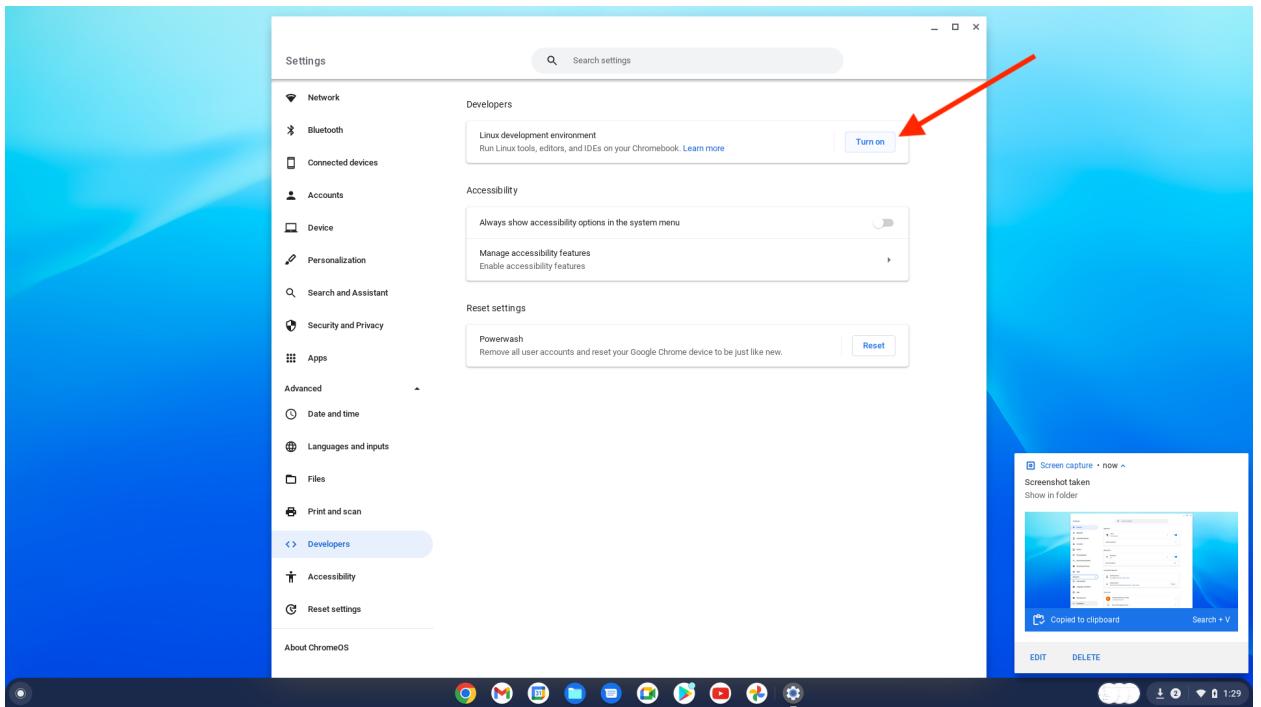
1. A Chromebook with sufficient storage space to hold the application. For the thumbdrives that do not include any pre-approved content, 4-5 GB is enough. If you are using the thumbdrives with pre-approved JSTOR articles included, 7.5GB will be required.
2. Web browser installed on access device (e.g., Chrome). This does not require internet access, the application just needs to be installed and accessible to the user.
3. Passwords. You will need an administrator password, as well as a PDF access password if your thumbdrive includes content.

Chromebook Installation Guide

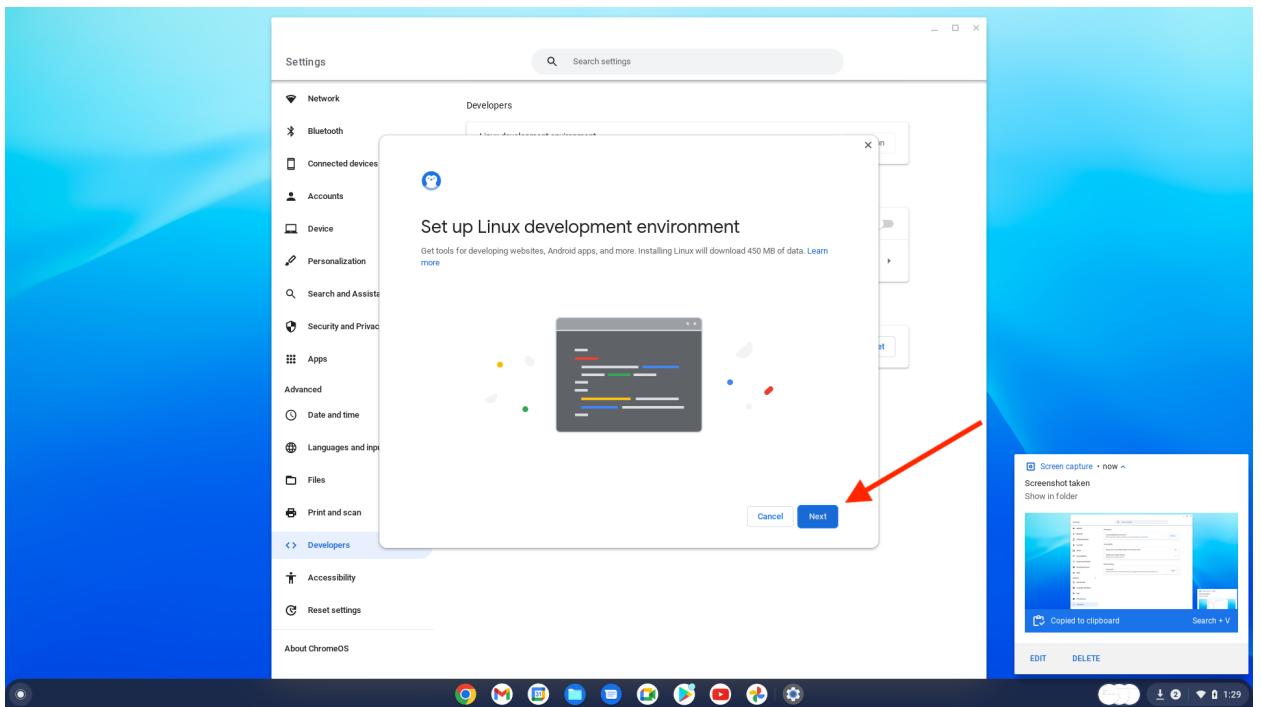
1. In the settings menu, select Advanced>Developers.



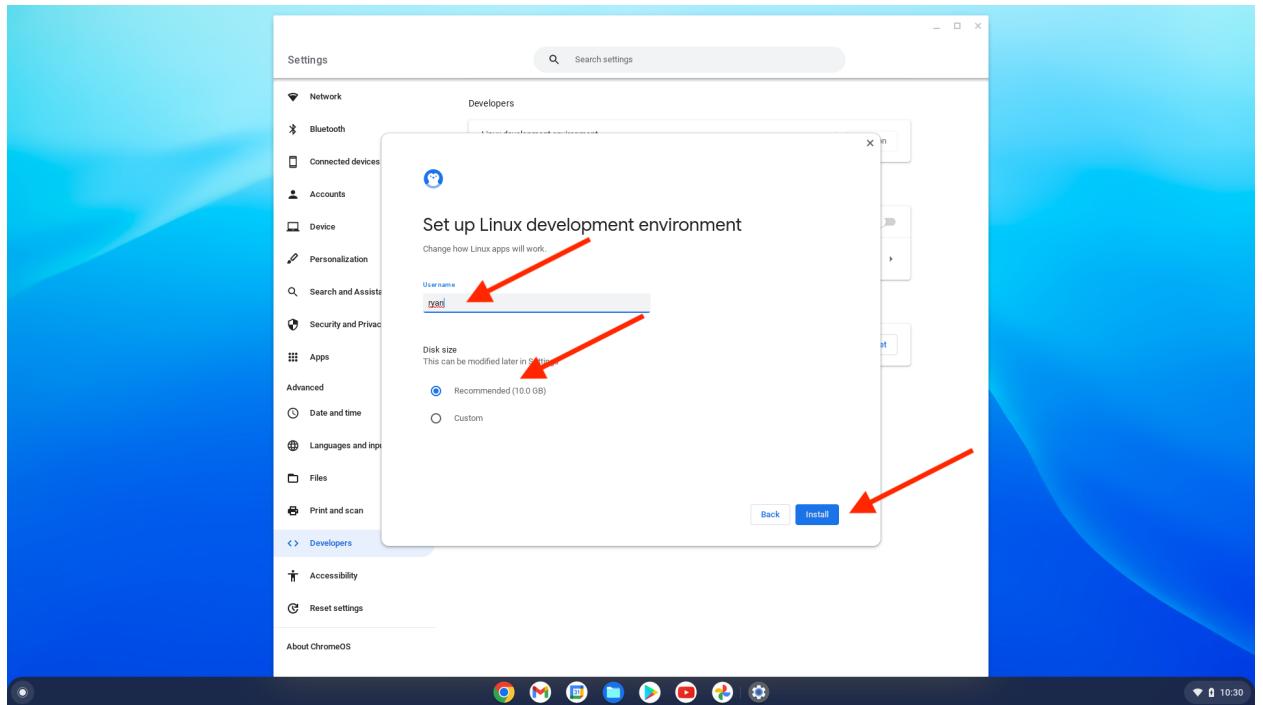
2. In the card for Linux Development Environment, select Turn On.



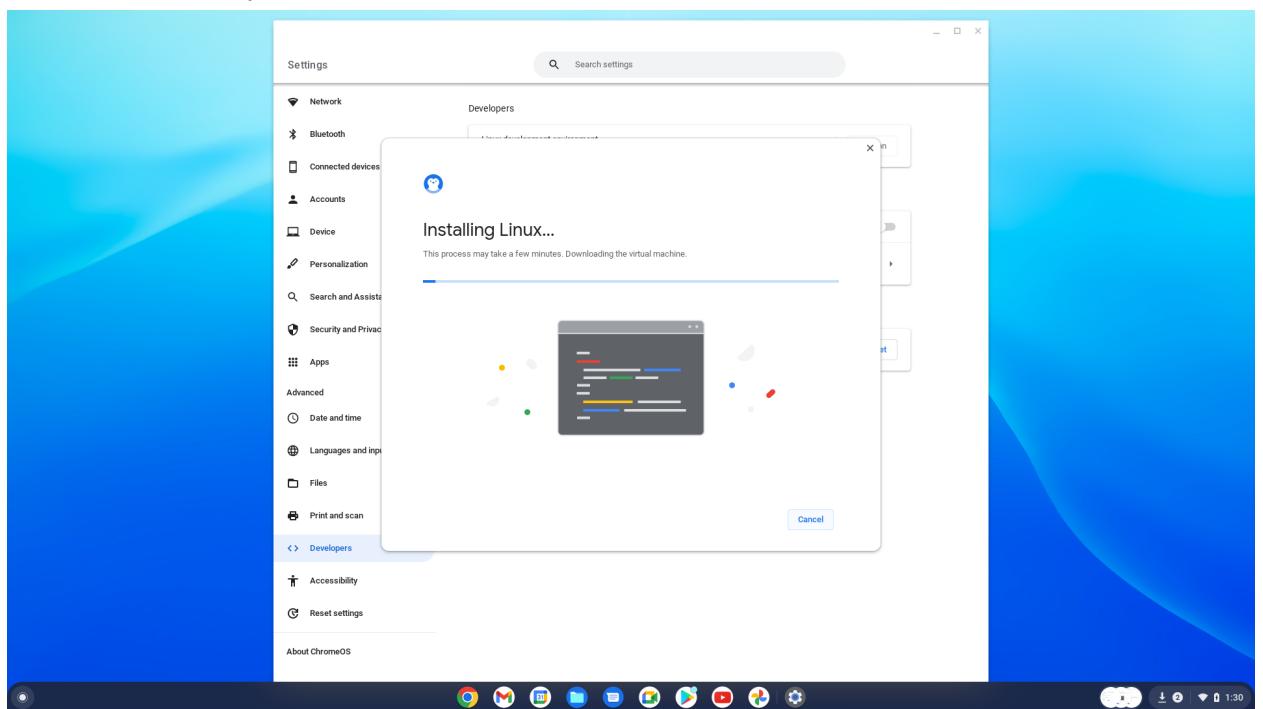
3. When prompted to set up the Linux development environment, select Next



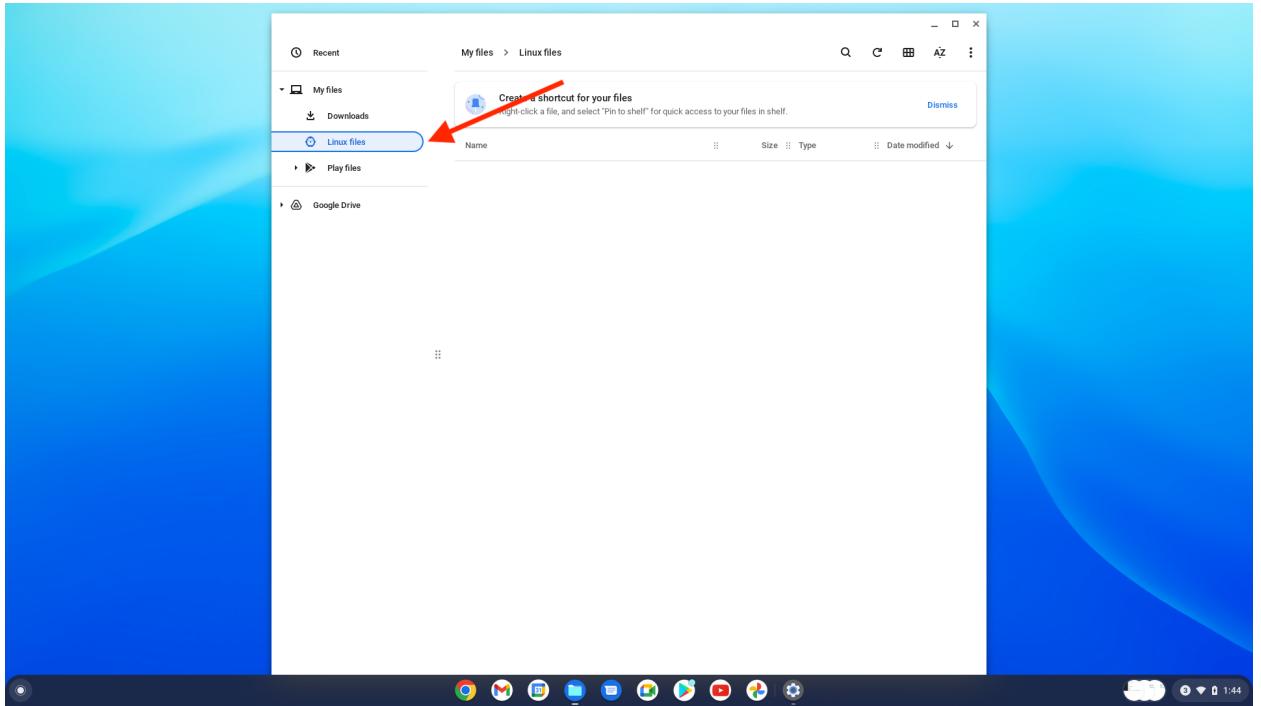
4. Choose a username and use the recommended disk size of 10GB, then select Install. Make a note of the username you selected.



The installation may take several minutes.



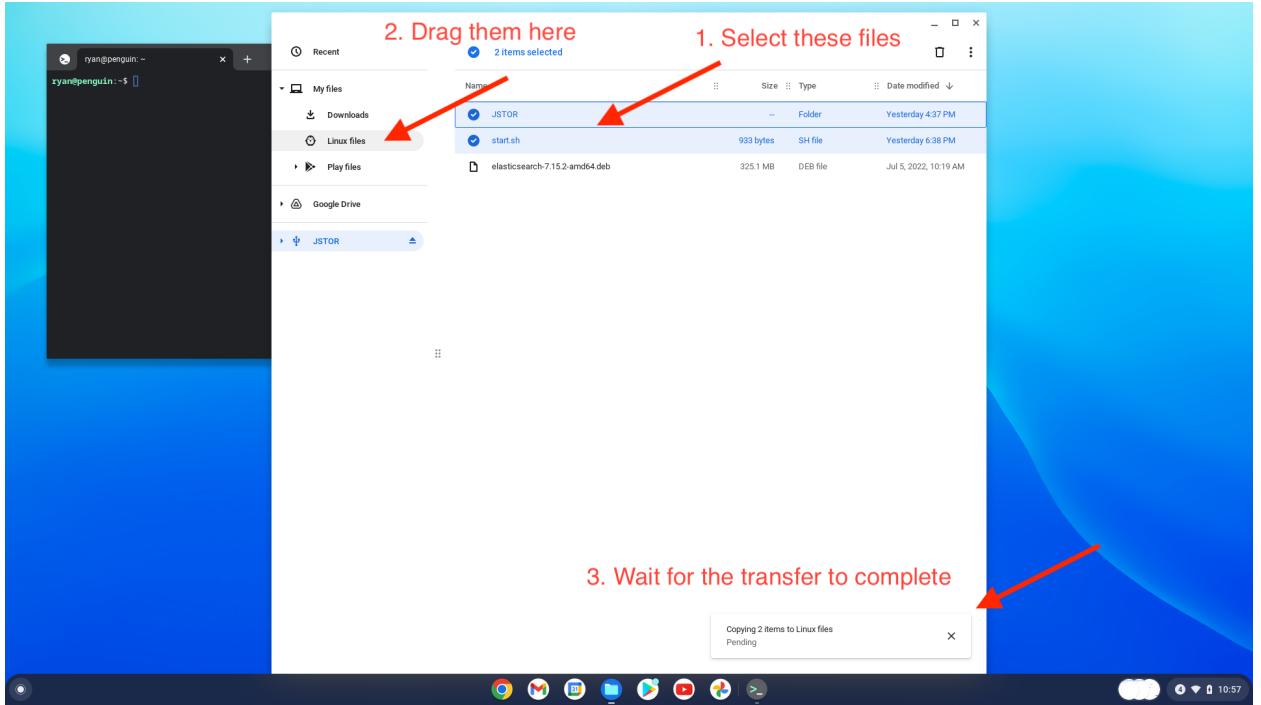
Once the installation is complete, a terminal window will appear. You can close or ignore that for the moment. Open the Files app. You'll notice that there is now a new space for "Linux files."



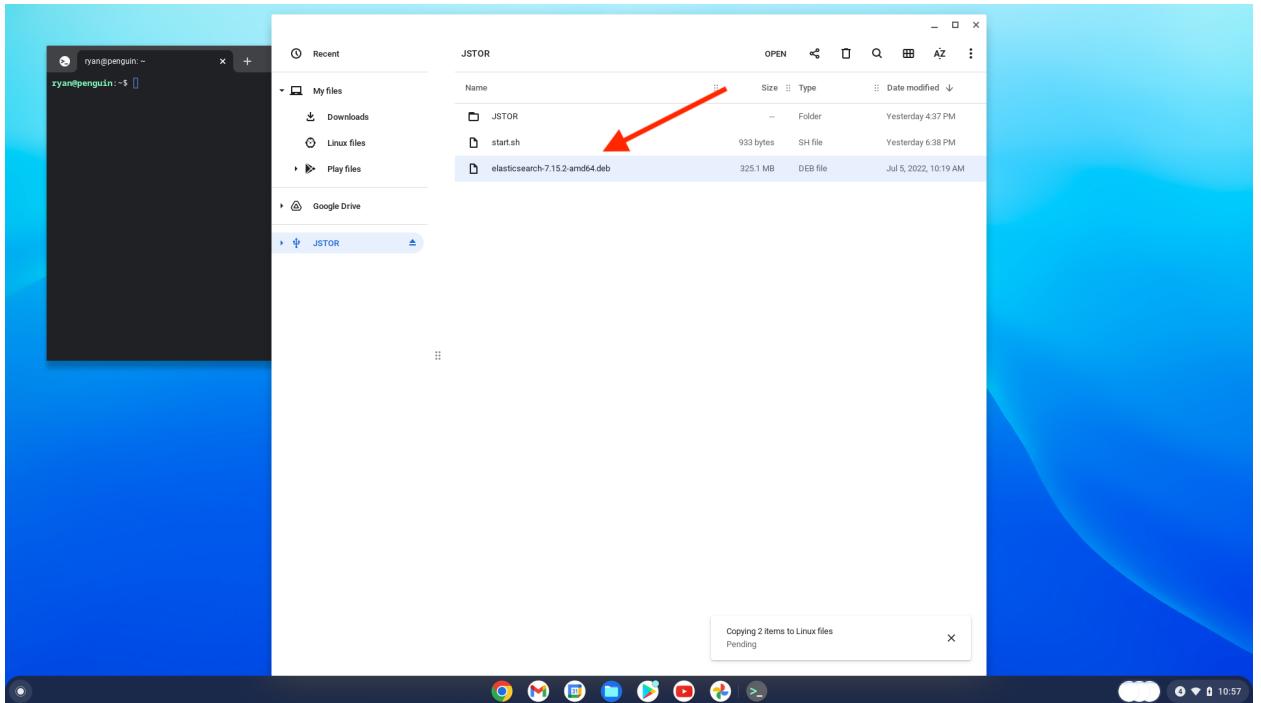
5. Plug in the usb drive provided by JSTOR. Drag all the files on the drive over to Linux files, except the one that begins with "elasticsearch-".

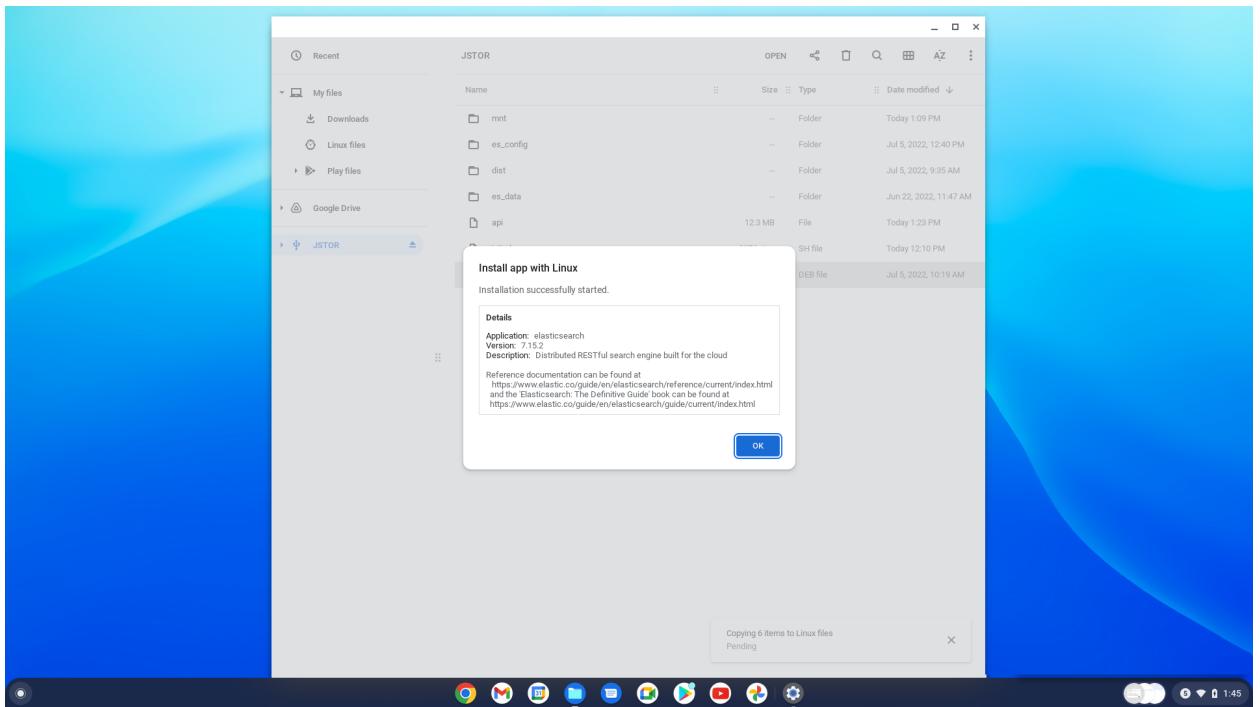
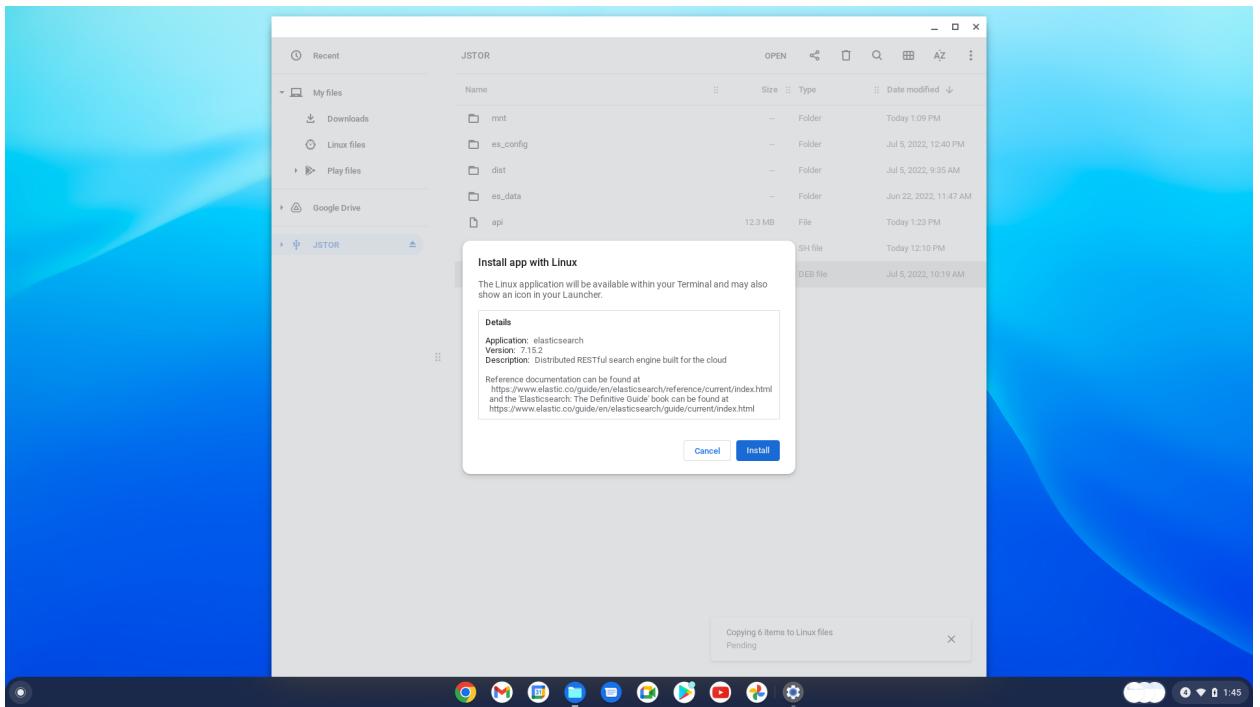
Unset

Chromebooks can be a little finicky about transferring files. You may note that the time remaining for the transfer swings wildly from several minutes to hundreds of hours. Don't worry. It's typically less than an hour. You may want to make sure the computer is plugged in and active during this process (see the guide below for instructions on keeping the chromebook from sleeping during the transfer). It can take a while, and you don't want to have any errors. If you do, delete the files and start again.

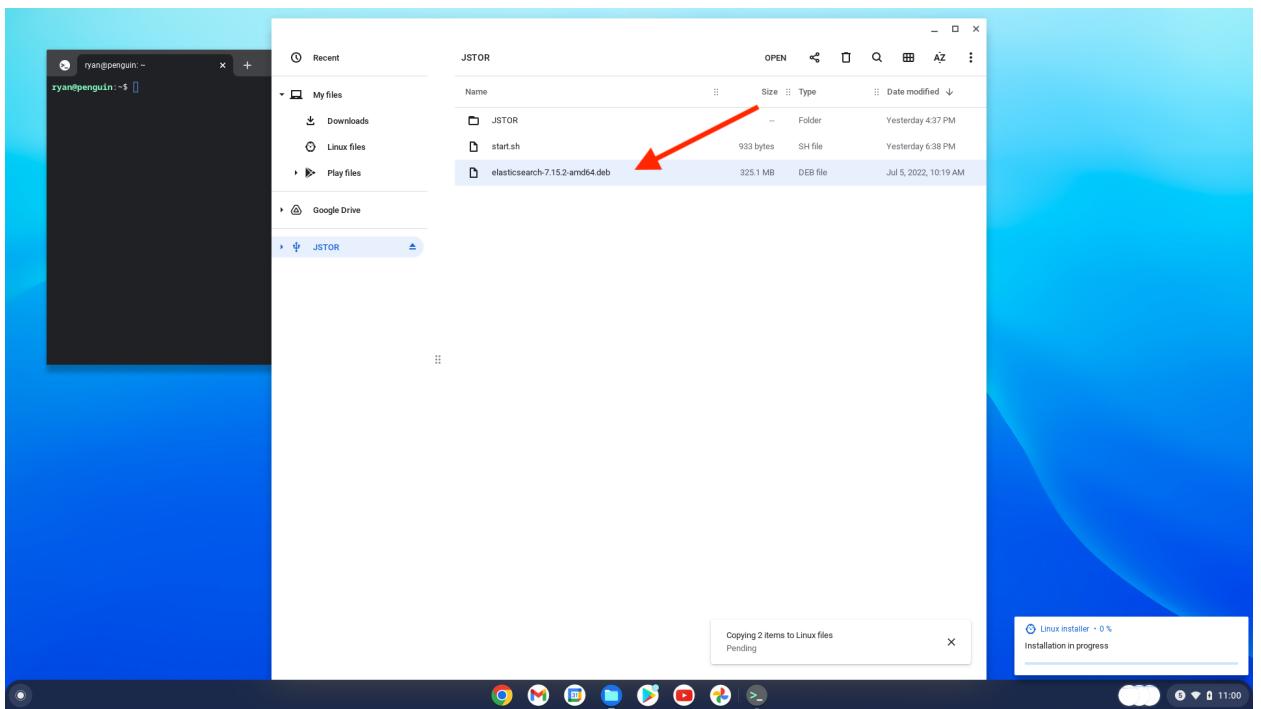


6. While the files are transfefering, let's install Elasticsearch! Double click the file that begins with "elasticsearch-" to begin the installation. You'll be prompted to move forward. Click "Install" then click "OK."

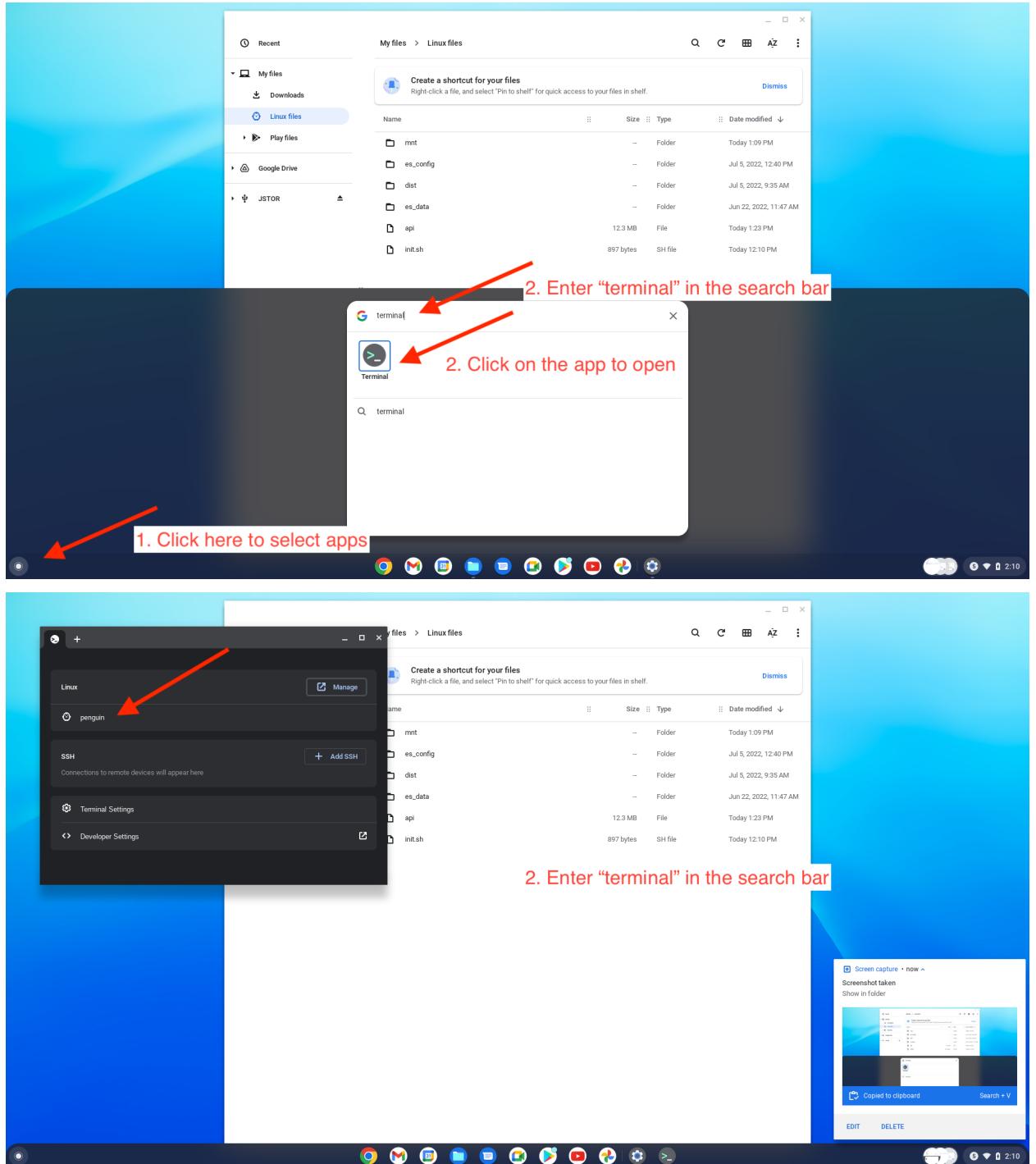




The progress monitor for the Elasticsearch installation may show 0% and not move. That's okay! When it's done, the progress monitor will disappear.



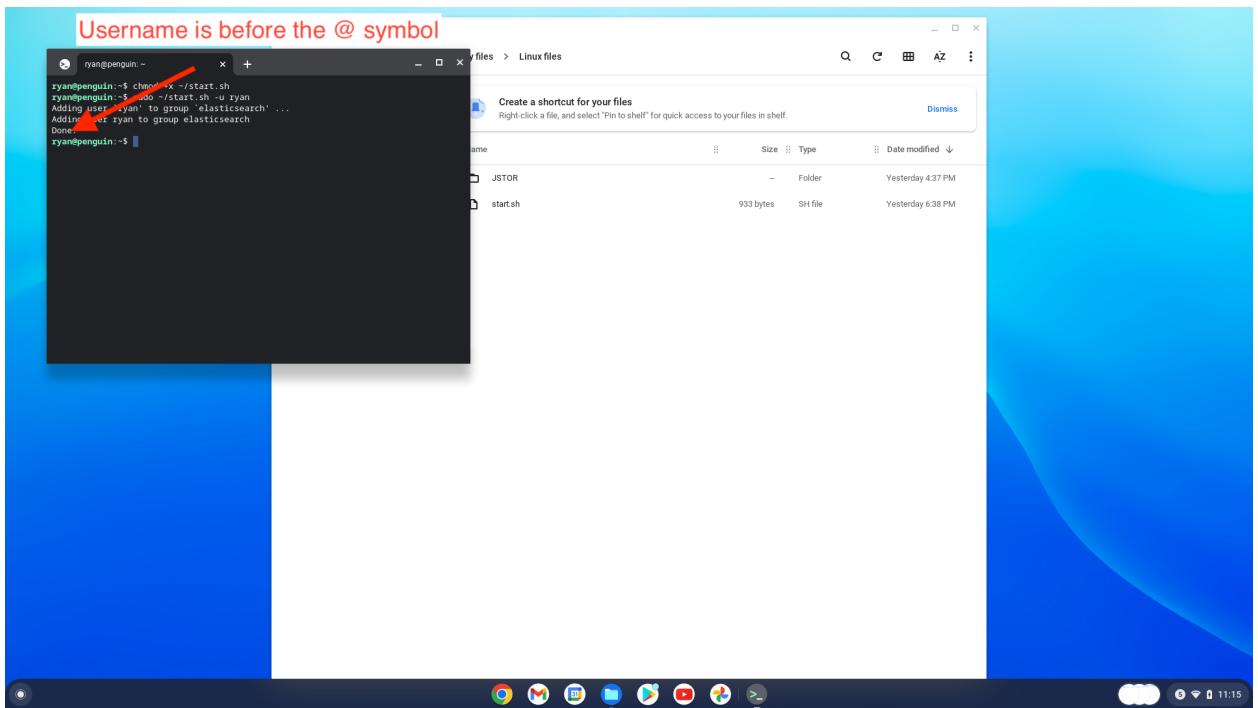
7. After the file transfer is complete, you can open the Terminal again. If you left the Terminal window open after step 4, you can disregard this step. Open the Terminal app and select Penguin.



8. In the Terminal, enter the following commands, and hit enter after each one (replace username in the second command with the username you chose in step four, which is also visible in the Terminal prompt). In the screenshot below, the username is "ryan".:

```
Unset
```

```
chmod +x ~/init.sh  
  
sudo ~/init.sh -u username
```



9. You're almost done! Just close the terminal, and then re-open it, using the process described in step 7. After a moment, you'll see some text appear. If you are using the thumbdrive that includes pre-approved JSTOR content, you will be prompted to enter a PDF access password at this point. Enter the password and hit Enter. The remainder of the process will continue as normal.

It will take a couple of minutes to run through the initialization process. At the end, you'll see a note that an http server has started on port 1323. Please note that even after the system starts and the browser is accessible, it may take a few minutes for all content to be fully searchable. During this time, search results may be inconsistent.

The terminal window displays the following log output:

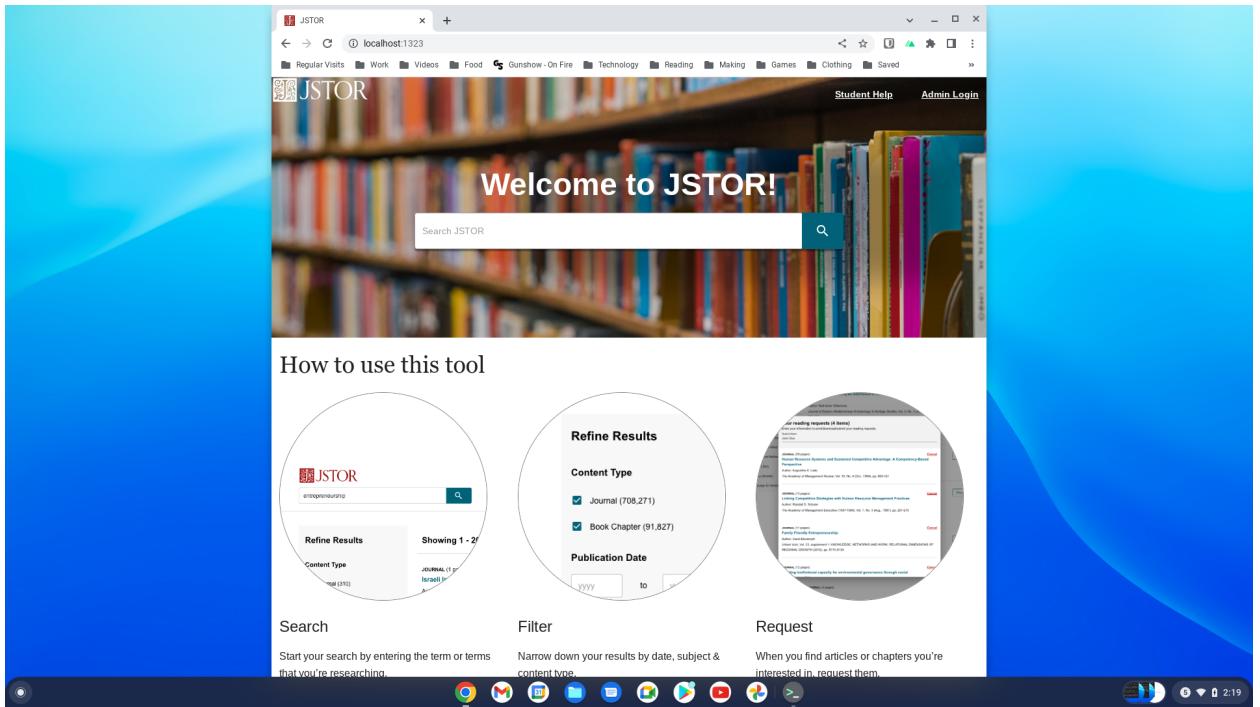
```

Terminal x + 
at org.elasticsearch.cluster.service.ClusterApplierService callClusterStateAppliers(ClusterApplierService.java:498) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.cluster.service.ClusterApplierService applyChanges(ClusterApplierService.java:461) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.cluster.service.ClusterApplierService runTask(ClusterApplierService.java:408) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.cluster.service.ClusterApplierService.access$800(ClusterApplierService.java:57) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.cluster.service.ClusterApplierService$UpdateTask run(ClusterApplierService.java:152) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.common.util.concurrent.ThreadContext$ContextPreservingRunnable.run(ThreadContext.java:678) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.common.util.concurrent.PrioritizedEsThreadPoolExecutor$1ieBreakingPrioritizedRunnable.runAndClean(PrioritizedEsThreadPoolExecutor.java:259) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.common.util.concurrent.PrioritizedEsThreadPoolExecutor$1ieBreakingPrioritizedRunnable.run(PrioritizedEsThreadPoolExecutor.java:222) [elasticsearch-7.15.2.jar:7.15.2]
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:135) [?:?]
at java.lang.Thread.run(Thread.java:833) [?:?]
Caused by: org.elasticsearch.repositories.RepositoryException: [backup] location [D:\es-snapshots\backup-03222021] doesn't match any of the locations specified by path.repo because this setting is empty
at org.elasticsearch.repositories.FsRepository.create(FsRepository.java:122) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.repositories.RepositoriesModule.lambda$new$0(RepositoriesModule.java:45) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.repositories.RepositoriesService.createRepository(RepositoriesService.java:658) [elasticsearch-7.15.2.jar:7.15.2]
at org.elasticsearch.repositories.RepositoriesService.createRepository(RepositoriesService.java:658) [elasticsearch-7.15.2.jar:7.15.2]
... 13 more
= http server started on [::]:1323
[2022-07-07T14:18:56,22] [INFO ] [o.e.l.licenseService] [penguin] license [091da5b8-d758-403b-8355-09584ebc801] mode [basic] - val
[2022-07-07T14:18:56,244] [INFO ] [o.e.x.s.s.SecurityStatusChangeListener] [penguin] Active license is now [BASIC]; Security is disabled
[2022-07-07T14:18:56,267] [WARN ] [o.e.x.s.s.SecurityStatusChangeListener] [penguin] Elasticsearch built-in security features are not enabled. Without authentication, your cluster could be accessible to anyone. See https://www.elastic.co/guide/en/elasticsearch/reference/7.15/security-minimal-setup.html to enable security.
[2022-07-07T14:18:56,446] [INFO ] [o.e.g.GatewayService] [penguin] recovered [5] indices into cluster_state

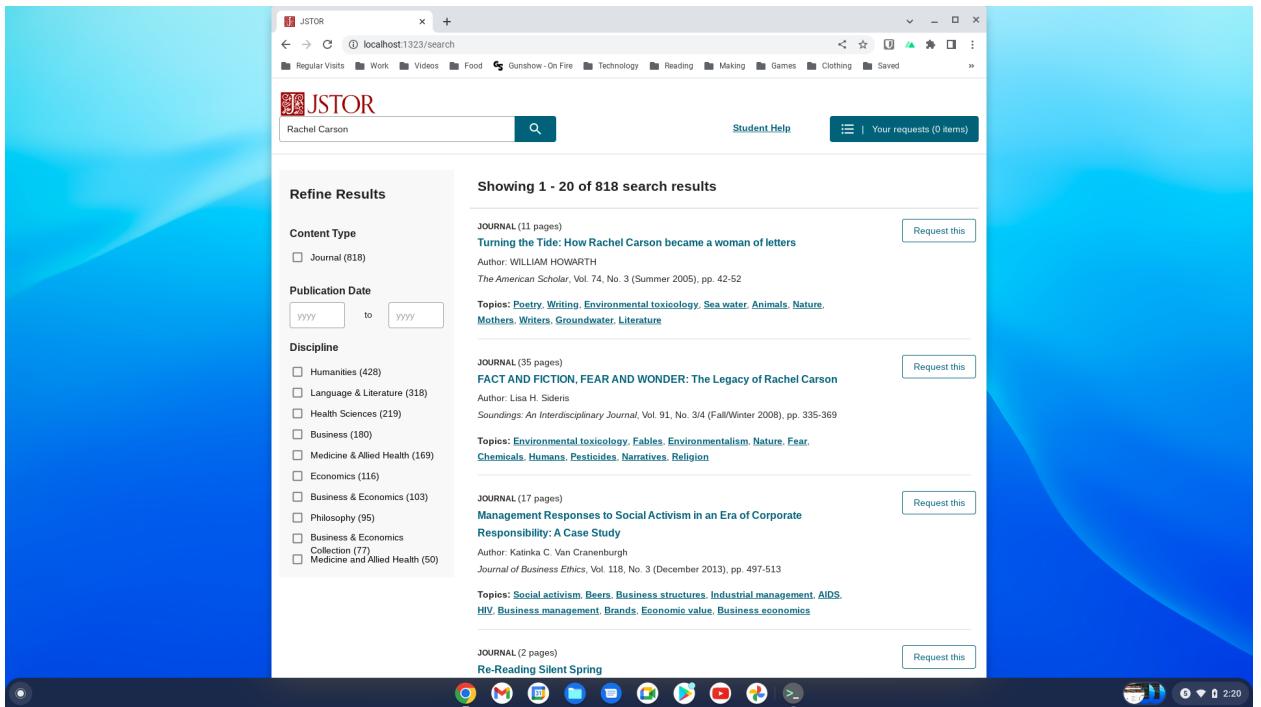
```

The browser window shows the JSTOR homepage at `localhost:1323`. The page features a search bar and navigation links for "Student Help" and "Admin Login". Below the header, there's a large image of bookshelves. A section titled "How to use this tool" contains three circular diagrams: "Search", "Filter", and "Request".

10. Open a browser and enter the following for the URL: `localhost:1323`

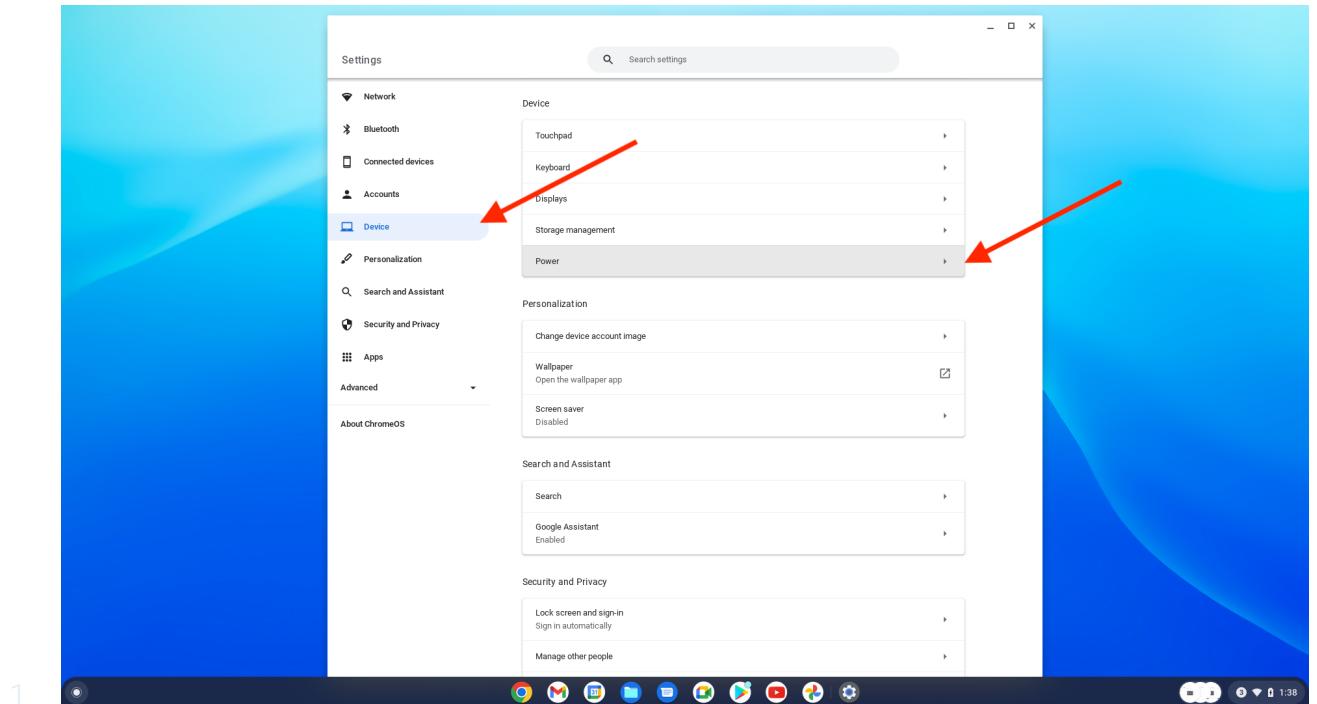


11. You're now ready to use JSTOR!



How to keep your chromebook awake during file transfer

1. Make sure your chromebook is plugged in and charging.



1. Make sure your chromebook is plugged in and charging.
2. In the settings menu, select Device>Power

3. From the dropdown next to "While charging," select "Keep display on." That's it!

