

Teaching Mathematics with Technology (TMT)

Video - Downloading Geogebra resources, creating an account and uploading your resources on Geogebra.org

Opening Webcam / Slide 1

Hello and welcome to week 4 of the Teaching Mathematics with Technology course. In this video, we will learn how to download resources from the Geogebra repository. We'll also learn how to create our own account, upload our materials, and publish them.

Slide 2

So Geogebra has a repository of *OER* Geogebra files. It also has lesson plans, worksheets, and related resources that have been uploaded by other teachers. You can go to *Geogebra.org* and download these resources which may be Geogebra files or worksheets, or any other activity documents, and download them for your own use. You can do that because it's an open resource. You can also contribute to this repository by creating your own account, as well as publishing the resource.

Webpage

So you need to open *Geogebra.org* on your browser and then you can see the *search classroom resources bar* on this web page. You just need to *type the topic* that you want to search for resources on. So in this particular case, I have typed triangles and when I hit *enter* I will get the triangle resources that are available on Geogebra; and as you can see there are several of them. *You can type any topic name that you want-* you could type mensuration, you could type quadrilaterals, you could type circles- and you will get Geogebra files pertaining to that particular topic.

Now when you click on that resource it opens it on Geogebra. Now if you want to edit that resource, now because it's an *open resource*, you can not only download the resource; you can also edit it on your own computer. You need to *click on the three dots* that you see on the *right side* and *select- the 'Open in App'* option. So Geogebra will open the file in your own Geogebra, but on the web. If you want to *download* it to your own computer, you have to *select download as*, and then you can download the Geogebra file to your own computer and edit it like you would edit any Geogebra file.

Slide 7

That was accessing and downloading resources already available on the *Geogebra.org* OER repository. You can also contribute to that effort by creating your own account and I'll briefly explain the process of *creating your own ID* on *Geogebra.org*. The steps are available on this slide, but I will show them one by one in this video.

Webpage

So you need to go to *Geogebra.org* again and *on the right side*, you will see the *SIGN IN* link. You will click on the *SIGN IN* link. Since you don't have an ID, you will have to *create an ID*- by clicking on the *Create Account*, that you see on the screen in front of you.

When you click on the *Create Account* screen, *Geogebra* will ask you for some information and then after filling in that information which is basically your *mail id*, as well as *the username that you want to use for your Geogebra account* and the *password that you want to choose*. *You will enter that information and then click on Create Account, to create your account.*

You will get an email to the mail id that you specified, with the registration confirmation link. When you click on that link, *Geogebra will open a form*, where you can provide some basic information to *Geogebra*; this is optional, so you can choose to enter, you can choose not to enter. And then finally you click on '*let's get started on Geogebra*' at the *bottom of the screen*.

When you click on that link, you will open your own page in *Geogebra*. So this is one such page on *Geogebra.org* that we have created.

In case you do not get the mail you can always click on the *Resend confirmation mail*, that is available. So that the mail gets sent back to you once again.

Slide 15

We have created the account in *Geogebra*. Now I will show you on *Geogebra.org* itself how you can upload your own resources. You can upload a *Geogebra* file and as I said you can upload activity worksheets etc. as well.

Web page

So let me go to my own account. I've created my own account on *Geogebra.org*. And to *create resources, to upload resources* on it, I need to click on my *login- logo*, which I see on the *right side*. This opens my own page on *Geogebra.org*. I can see the *CREATE* button. When I click on *CREATE*, I have several options, right now I will focus on the most basic option which is- *Upload*.

So you already created a Geogebra file on your computer. Now you'll click on *Upload* so that you can upload the file onto *Geogebra.org*. Here on this screen that comes, you'll *click on browse* which allows you to browse the files on any computer. I'm going to *click on the file*- "Text box and input bar construction" and *click on- Open*. So it will upload that file onto Geogebra and I can give a title for this file. So I will say "Text box use in Geogebra" and then I'll *click on- Save, which is the link on the right side*. Once I click on, *Save*, Geogebra will add this file to the repository.

I can go back to my home page and I will find that this particular resource that I have uploaded is available there, which is the *Text box* file that I have given.

Now if you notice this file can only be shared if I give a link to somebody. But if I want to make it public, if I want to make it available for anybody who comes to *Geogebra.org*, I need to publish this resource. So I need to *click on these three dots* that I see here. When I click on it I have an option to- *Publish*.

When I publish this file it means that it's available to everybody who can search for it on *Geogebra.org*. So I can give a *brief description of the file*- 'Text box use in Geogebra'. I have to select which topic it pertains to, so this is pertaining to triangles, so I will select triangles. And I also have to give the *category*- I'll simply say it's a *collection of resources* and then I will say- *PUBLISH*.

So when I click on *PUBLISH*, now you can see that the resource is called *public*. And it's available to anybody who wants to use it.

So, if I *click on the file*, I will get a *URL*. This is a *URL* which if I share with anybody they can access this file on their own computer and because it's *public*, it is also available for anybody to search when they come to *Geogebra.org*, which is the first thing that you did when you search for the resource on the triangle. So if now somebody searches for triangle resource they will get this resource as well.

Concluding slide / Slide 16

So what did we learn in this video?

- We learned how to download Geogebra resources from *Geogebra .org* on any mathematics topic.
- We also learned to create our own account on *Geogebra.org*
- And, we also actually demonstrated the uploading of a Geogebra resource, created by us. I uploaded one file that I had created on "Text box and input bar construction" which we saw earlier and *publish* the same.

Once the resource is published it's available for everybody to download and use.