

## Day 4. 4nd Project „My hero“

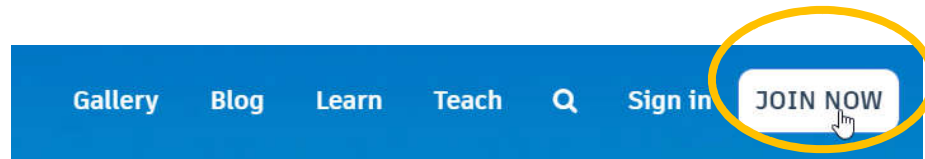
During this session you will perform 2 practical tasks, during which:

- Create an account in „TinkerCAD“ program.
- Will get acquainted with the „TinkerCAD“ environment.
- Learn to model your hero.

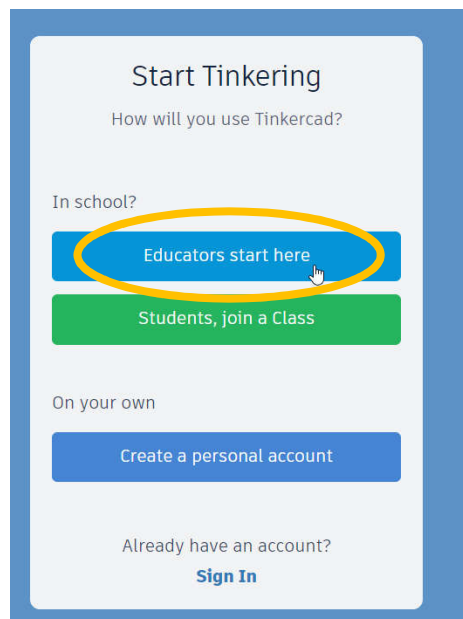
### Task 1. Create an account

**Step 1.** Open the CoSpace page in the browser. Link: [Tinkercad | Create 3D digital designs with online CAD | Tinkercad](#)

**Step 2.** Press „JOIN NOW“ button.

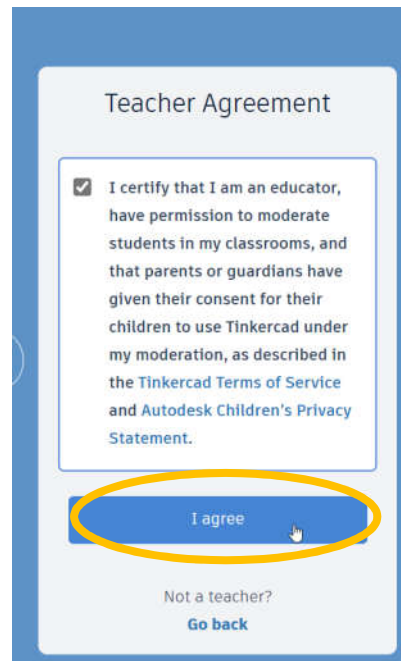


**Step 3.** Select the button „Educators start here“.



**Step 4.** Select the consent button „Continue to start making my educator account“.

**Step 5.** Click the checkbox and the consent button „**I agree**“.



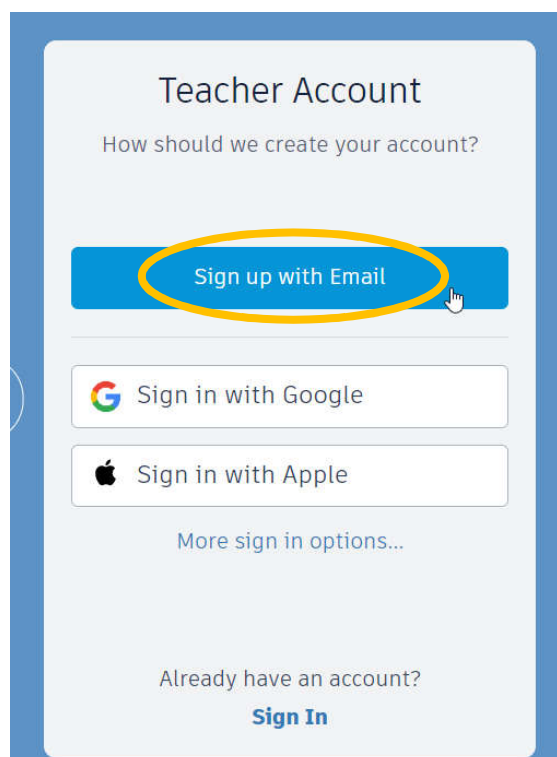
Teacher Agreement

I certify that I am an educator, have permission to moderate students in my classrooms, and that parents or guardians have given their consent for their children to use Tinkercad under my moderation, as described in the Tinkercad Terms of Service and Autodesk Children's Privacy Statement.

I agree

Not a teacher?  
[Go back](#)

**Step 6.** Select the button „**Sign up with Email**“.



Teacher Account

How should we create your account?

Sign up with Email

Sign in with Google

Sign in with Apple

[More sign in options...](#)

Already have an account?  
[Sign In](#)

**Step 7.** Create an account by entering an email and password.

### Create account

Email

Password

I agree to the [Tinkercad Terms of Service](#) and the [Autodesk Privacy Statement](#).

**CREATE ACCOUNT**

ALREADY HAVE AN ACCOUNT? [SIGN IN](#)

**Step 8.** Select the country and year of birth, click the "Next" button.

### Create account



Country, Territory, or Region

Select Country, Territory, or Region

Birthday

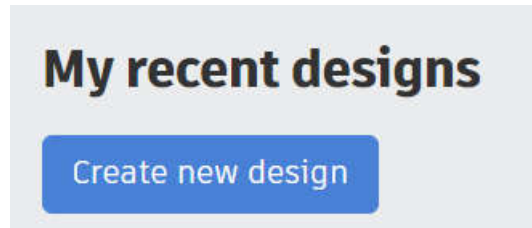
Month  Day  Year

**NEXT**

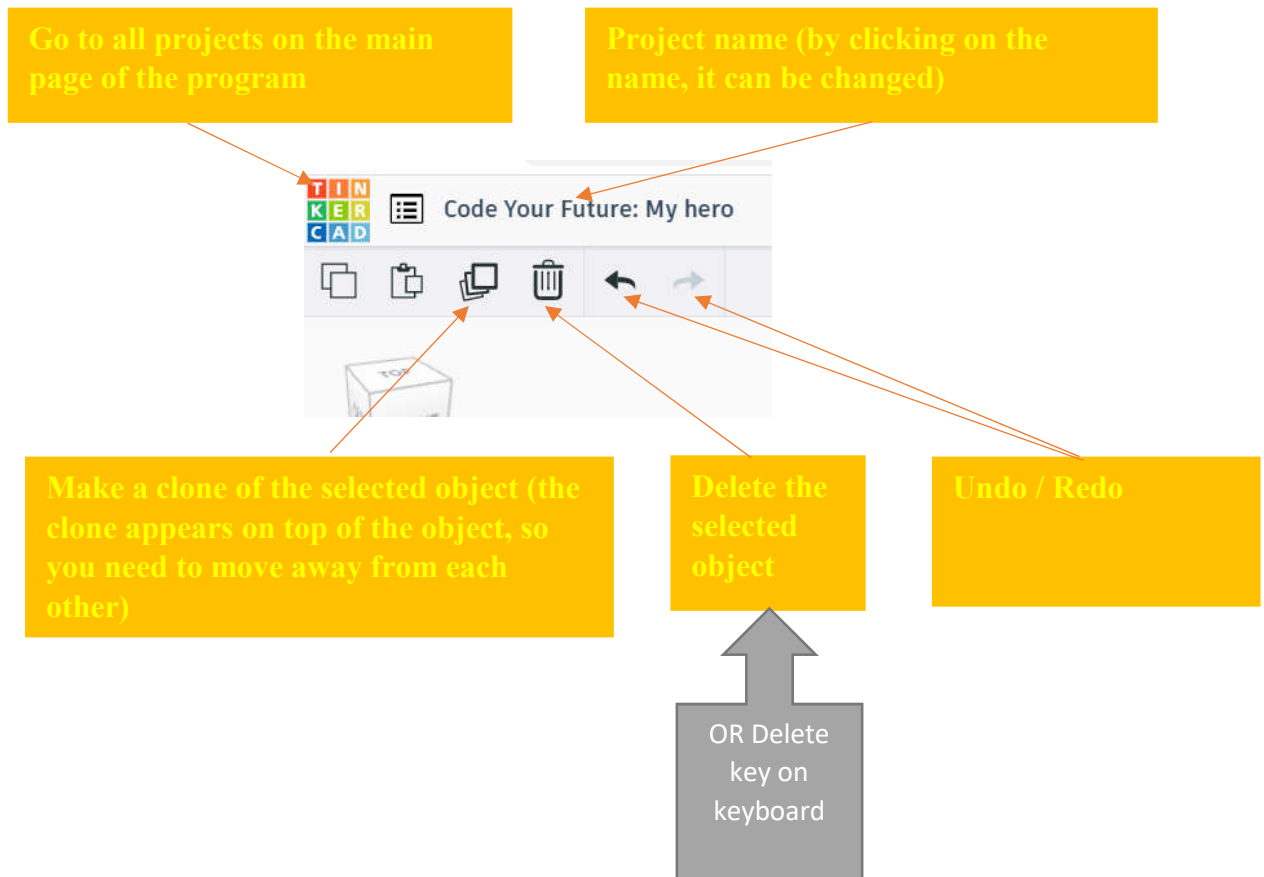
ALREADY HAVE AN ACCOUNT? [SIGN IN](#)

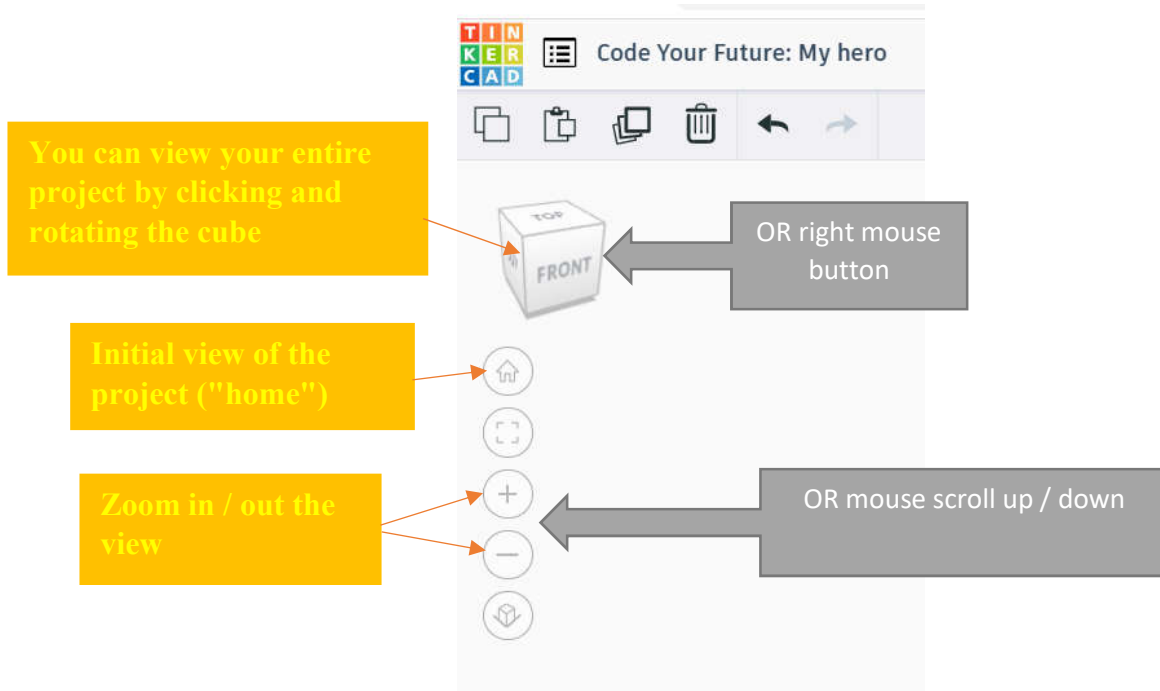
## Task 2. My hero

**Step 1.** Creating a project. Click the "Create new design" button.



**Step 2.** Navigation.





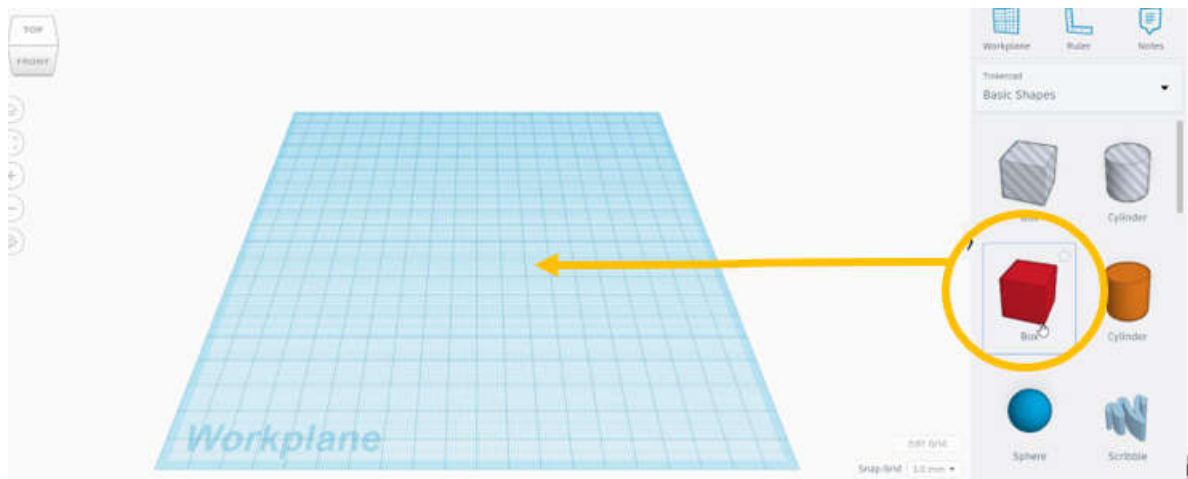
Video about navigation Tinkercad (in English):

<https://www.youtube.com/watch?v=VxpJbJsNaes>

Navigation video (longer, but Youtube auto-subtitles are available in any foreign language (e.g. Italian, Lithuanian, Spanish, Romanian, Turkish, etc.)):

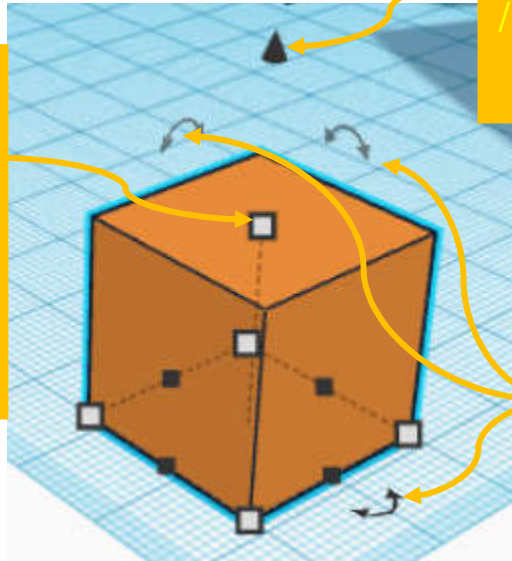
<https://www.youtube.com/watch?v=2JFxtUIOnEI>

**Step 3.** Drag the desired object.



**Step 4.** Editing an object.

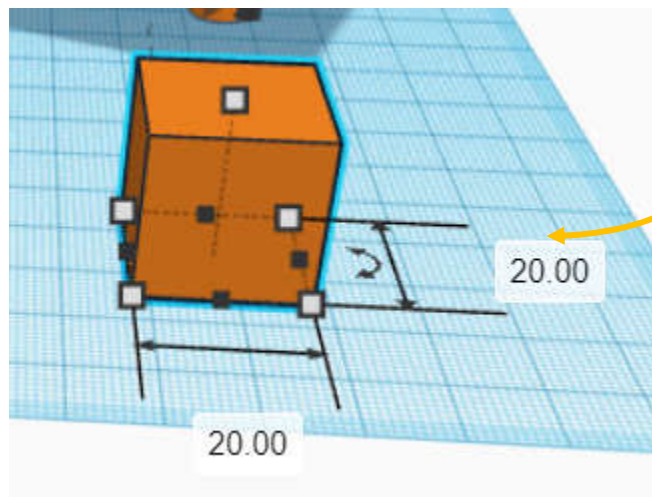
**5 white little squares:** height, width and length. You can increase/reduce the object by clicking and dragging on the white square.



**1 black cone: lift up / down**

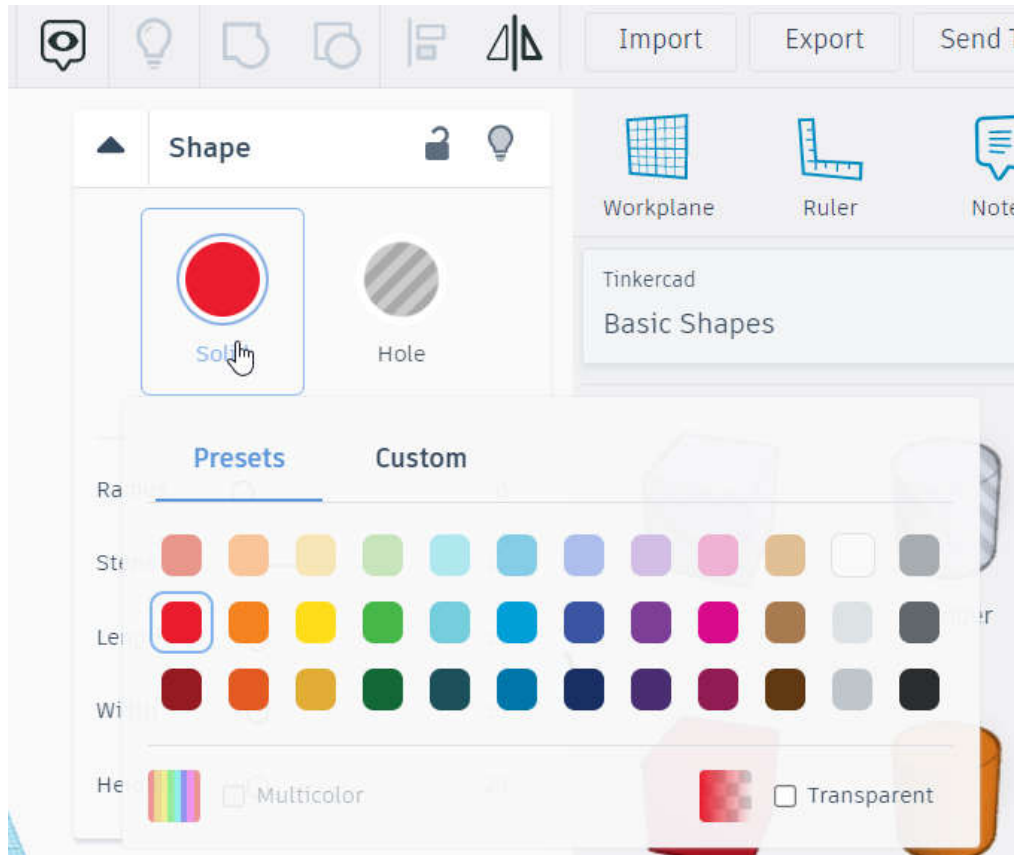
OR keyboard arrow keys

**3 arrows - for rotations in three dimensions**

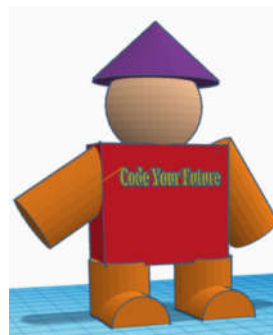
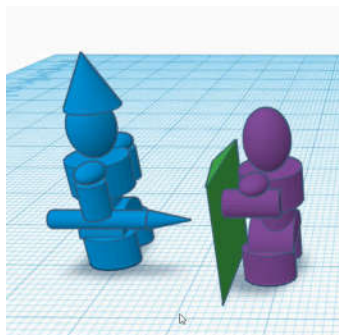


**By clicking on the white square, then on the number you can give the exact dimensions of the figure in millimeters**

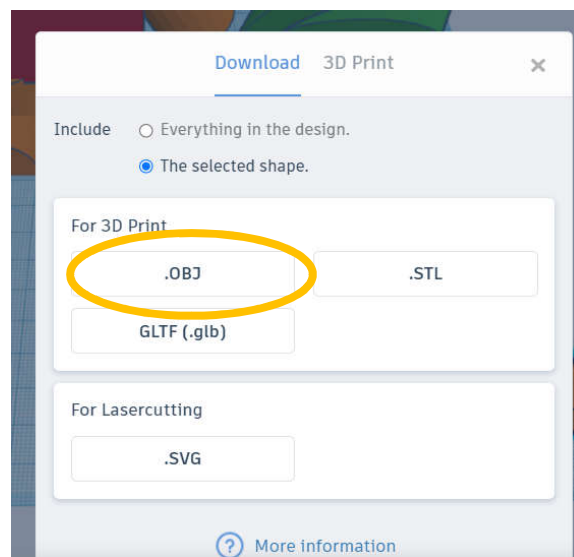
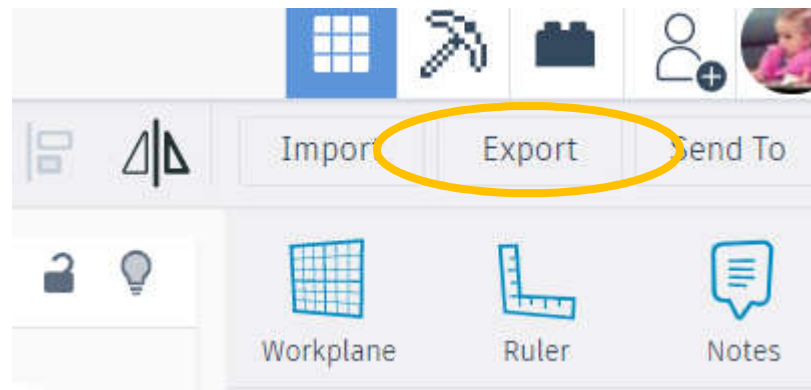
**Step 5.** Change the color of an object: highlight the object and select a color.



**Step 6.** Model your hero which will be programmed on walkinh through a maze (next day's theme): select geometric shapes (objects) on the right side, drag them to the center of the screen on a blue background (Workplane). To put the shapes on top of each other to will help by rotating the whole view (with the navigation cube on the left side or right mouse button).



**Step 7.** Download the completed project / your hero to your computer for the next lesson project – in order to upload to CoSpaces (a .zip file will be created).



If you have a 3D printer (personal, school or library), you can print your object by downloading the file in .stl format.

Video on how to model a little machine and print with a 3D printer (in English):

<https://www.youtube.com/watch?v=tyQgkeZ3hsA>

More about Tinkercad (information for beginners, keyboard shortcuts, 3D printing materials, etc.): <https://blog.tinkercad.com/tag/new-to-tinkercad>