

House or apartment design Lesson plan

Created by the Delightex team

Education level: From primary school

Subject: STEAM, Social sciences, ELA, foreign languages

Format: Individual activity

Duration: Approx. 4 hours



Introduction and lesson objectives:

This activity enables kids to discover 3D creation and modeling through the construction of a virtual house or apartment.

You can ask your students to recreate the place they live in, or to invent and build their dream house.

The objective of this lesson is to develop spatial awareness and let students experiment with the basic principles of construction and architecture while having fun, of course!

Learning goals and student benefits:

- Learn 3D creation skills
- Improve spatial skills
- Develop creativity
- Develop design skills
- Learn construction basics
- Have fun!

Activity example:

1. First, ask each of your students to draw a sketch of their house or apartment.
2. Then, ask your students to virtually create or draw a floor plan on which they'll be able to base their construction in CSpaces Edu.
3. Give your students enough time to progressively build their house or apartment in Delightex Edu, using all the creation tools and objects available.

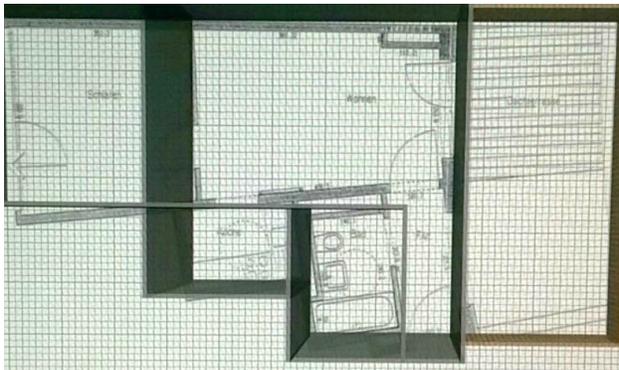
Extension ideas:

- Let your students animate their scene using characters, ready-to-use animations and perhaps even CoBlocks code to program it!
- Ask students to present their virtual house or apartment to the class.

Assessment and evaluation suggestions:

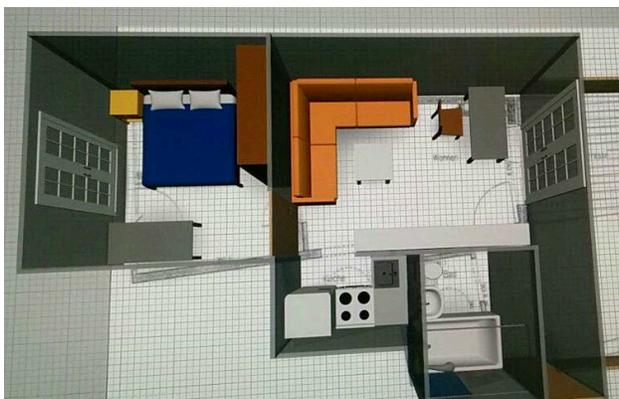
- Have your students managed to build and design a house or apartment?
- Did they approach this with a thought-out step-by-step creation process?
- Does their work show a logical progression and sense of direction from the early sketches to the final construction?

Creation guide



Use an image of a floor plan or a drawing as the basis on which to build your house or apartment.

Upload your image and click **Environment** to place it onto the grid as your **Floor image**.



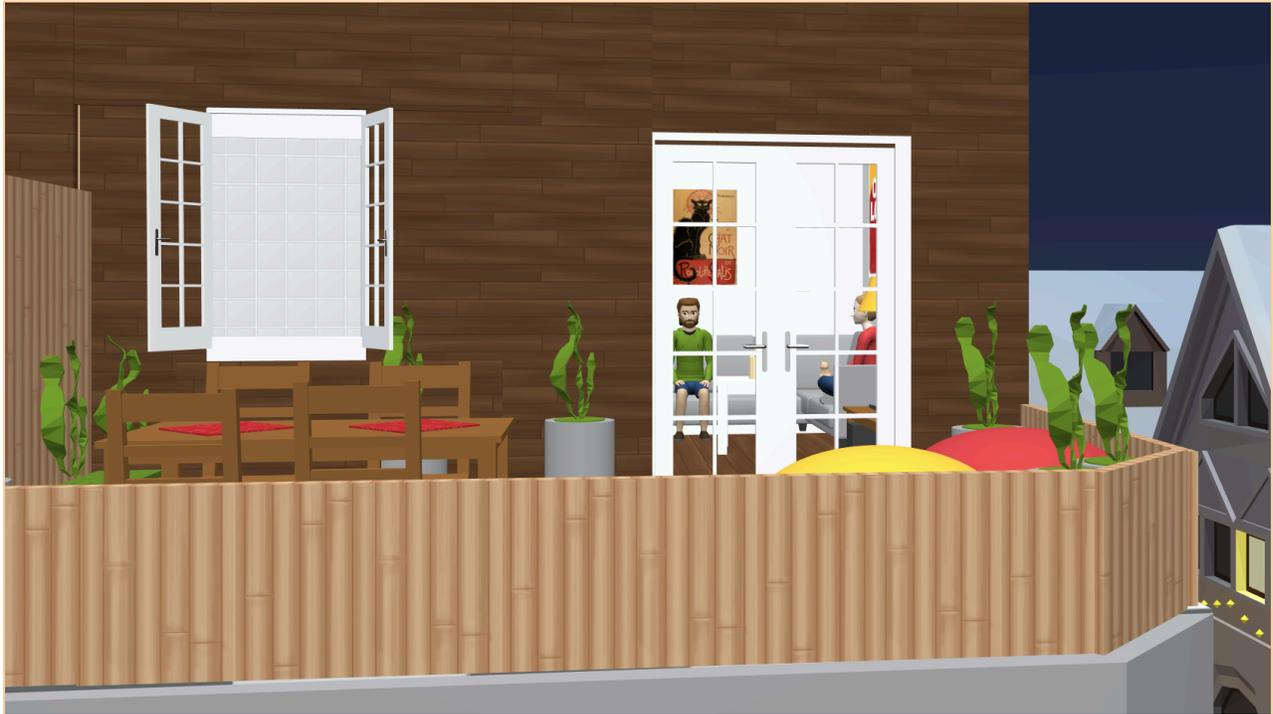
Working on top of your floor image, build your construction using the **building blocks** available in the **Library** under **Building**.



Once the building is ready, it's time to have fun doing some interior design!

Drag and drop objects from the **Library** to decorate your interior.

Example Project



Apartment design

<https://edu.delightex.com/HFL-QUK>