

We would like to design our school building in 3D and we will use the 3D online design program "Tinkercad".

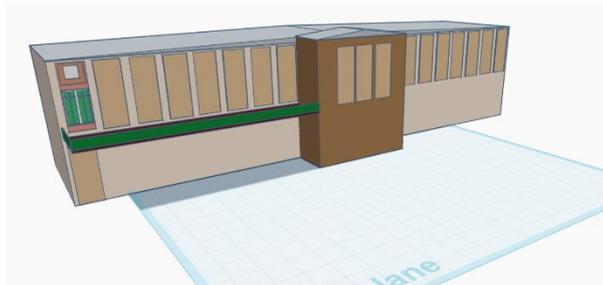
Design in **Tinkercad** a 3D model of **only the exterior part** of your school, showing **windows, doors, and decorative details** from the original measures (provided)

For this task you will have 1 week to upload it on Moodle

Your tasks:

OPEN TINKERCAD AND FOLLOW THE INSTRUCTIONS.

 This is the object we would like to create: **55 points**



1. Main structure of the building (15 points)

- **Design the base and shape of the building:**
 - Create a block or set of blocks that form the **building** using the box figure. **(0-5 pts)**
 - For the **roof**: use the roof figure **(0-5 pts)**
 - Add a **main door** (well centered or placed according to your design). **(0-5 pts)**

2. Details: (25 points)

- Use the different shapes provided on Tinkercad to create the different parts on the facade: trapezoid, cylinder, box, torus.... Include lines, stripes, window frames, or wall details (such as colour bands).
- Add different colours in the design (for walls, frames, doors, stripes).
- Use symmetry or an organized design (correct alignment of windows and doors) and a logical size.
- **Windows:**
 - Frame: **(0-5 points)**
 - Draw the windows distributed along the floors and the building using Box figures. **(0-5 points)**
 - Shading **(0-5 points)**
- **Stairs:** using box figures (solid and holes) create the main stairs **(0-5 points)**

- **Columns:** using cylinders (0-5 points)

3. School name: (8 points)

- Open a **text editor** and write "SJ XXIII".
- Font: **Comic Sans MS, Bold**. (2 points each, max. 4 points)
- Take a **screenshot**, crop it in **Paint**, and save it as **PNG**.
- Convert it to **SVG** via [vectorization.eu](https://www.vectorization.eu/).
- Import the **SVG** into Tinkercad. (0-1 points)
- Set dimensions to **20x6x4.5mm** and place the text in the middle of the school roof. (0-3 points)

4. Final Touches: (1 point)

- Ensure all parts are **grouped together**. (0-1 points)

5. Save & Submit: (6 points)

- Save as **ICT4Building_YourName.stl**. (0-1 points)
- Send the **STL file and Tinkercad link** to your ICT teacher. Use this button:  (0-1 points)
- Attach the stl file too and, at least, 3 screenshots of the process from different angles (front, side, top) (0-4 points)