ICOGRAMS EDUCATION

Icograms Education Edition

USER GUIDE

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What is Icograms Education Edition?

Icograms Education Edition is a specialized version of Icograms designed to help students and educators create engaging visual materials for learning and teaching.

Whether you need an isometric illustration, map, floor plan, or infographic, Icograms offers a huge built-in collection of graphics and customizable templates to bring your ideas to life.

Key Features

- **User-Friendly Interface** – Simple drag-and-drop functionality allows users to create high-quality visuals without prior design experience.
- **Extensive Object Library** – Includes thousands of customizable icons and objects related to education, geography, urban planning, and more.
- **Collaboration Tools** – Enables students and educators to work together on projects, fostering teamwork and creativity.
- **Customizable Elements** – Modify colors, sizes, and layers of objects to tailor visuals to specific lessons or presentations.
- **Templates for Quick Start** – Offers a variety of pre-made templates for student projects.
- **Cloud-Based Access** – No software installation required; access and save projects from any device with an internet connection.
- **Multi-Format Export Options** – Download projects in PNG, JPG, or SVG formats for use in presentations, reports, and assignments.
- **Secure and Ad-Free Environment** – Designed specifically for education, ensuring a safe and distraction-free workspace for students.

Icograms Education Edition makes learning more engaging by helping students visualize complex ideas. It gives teachers an easy tool to create interactive lessons and encourages student creativity with hands-on projects. Whether used in-class or remotely, it supports digital learning and teamwork. With ready-made templates and a large icon library, it saves time and simplifies the creation of educational visuals, making it a valuable tool for classrooms.

Teacher account

Visit education.icograms.com. Click on **REGISTER** and fill out a simple registration form selecting 'I am a Teacher'.

When you are signed in, you will see your name in the upper right corner. There are three personal pages and a page for each class you have already created.

My Account

Your account information. Here you can manage your subscriptions and change your password.

My Classes

You can create a Class for a group of students. It does not need to be a real class; you can divide students into smaller groups. When you add students to the class we automatically send an invitation to their account.

⚠ Students must have a Student account. If you can't invite them to the class, check if they have already created an account by selecting 'I am a Student'.

My Icograms (MyDesigns)

All your designs are automatically saved to My Icograms page. From here you can manage them or create a new design. You will have one personal folder and one shared folder for each class.

Class Page

On each class page, you will have a grid where you can change the level of student access to uploaded graphics and shared folder.

Student account

Visit education.icograms.com. Click on **REGISTER** and fill out a simple registration form selecting 'I am a Student'.

⚠️ Remember your password. If your email address is invalid or protected, we will not be able to send you a password reset email.

When you are signed in, you will see your nickname in the upper right corner. There are three personal pages and a page for each class you've already accepted an invitation to.

My Account

Your account information. Here you can change your password and switch your account to student mode if you already have a general account.
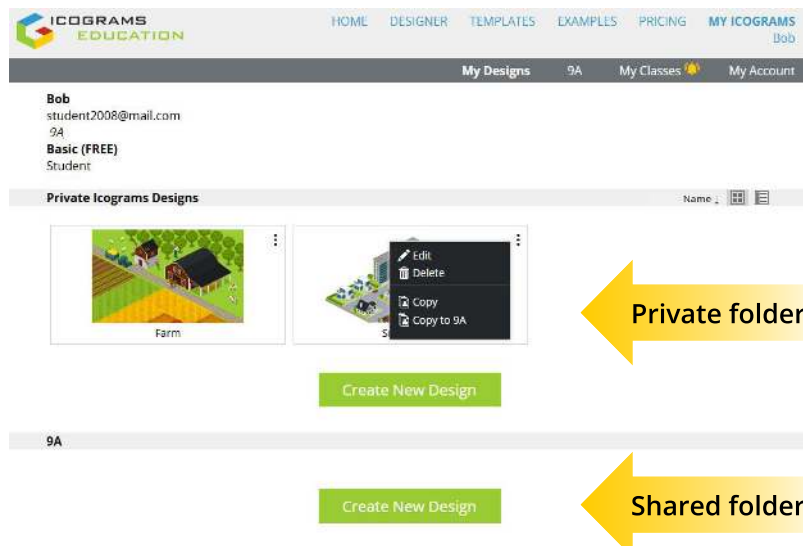
My Classes

To join a Class, accept the invitation from your Teacher
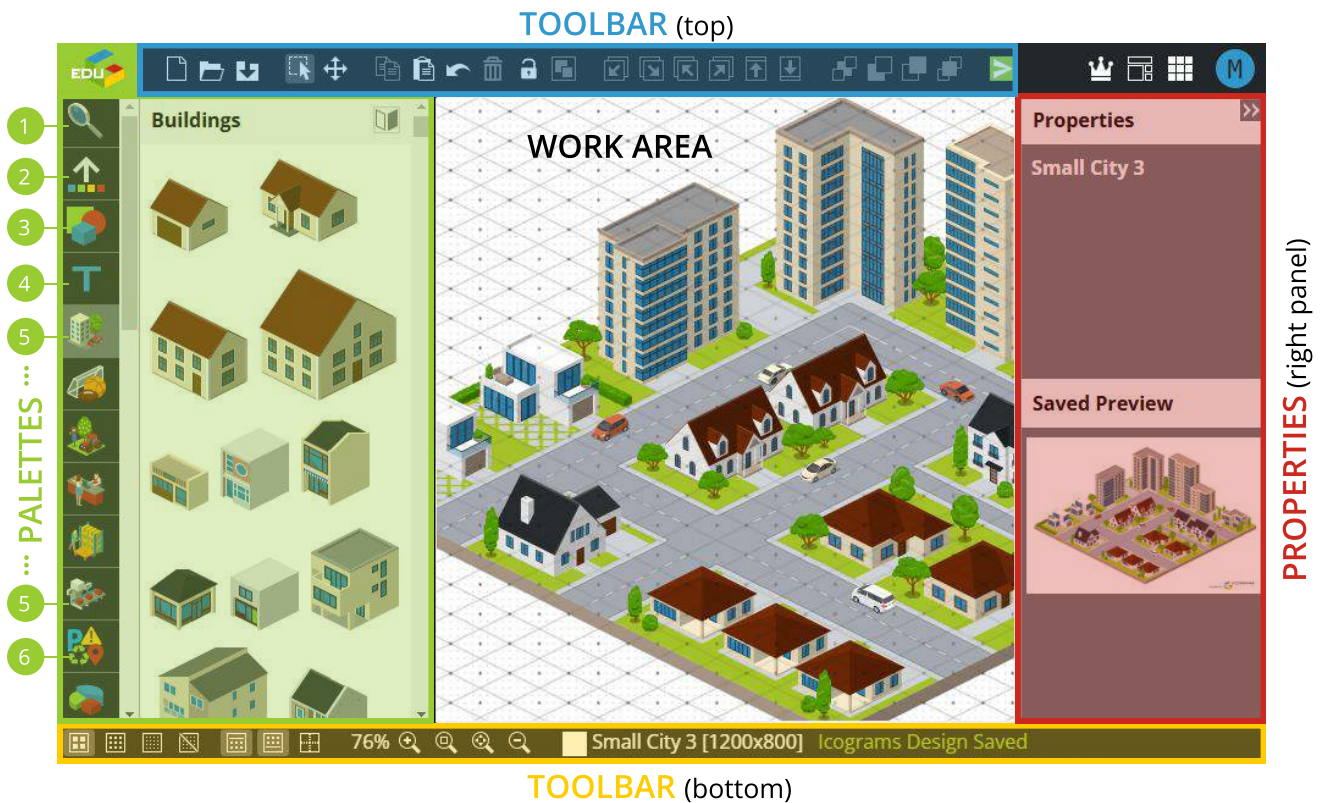

My Icograms (MyDesigns)

All your designs are automatically saved to My Icograms page. From here you can manage them or create a new design. You will have one personal folder and one shared folder for each class.
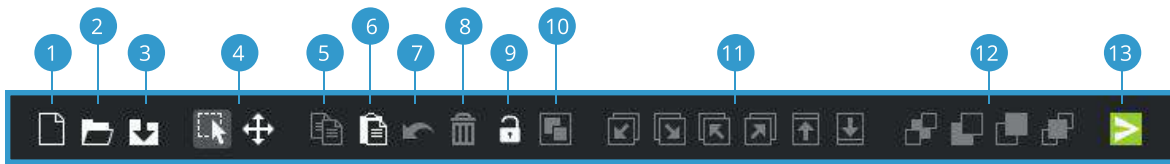
Icograms Designer: Exploring the Interface

PALETTES (left panel)

The Palette toolbar contains icons for various categories and assets, such as text, shapes and your own uploads. Swipe right to see the titles.

1. **Search** for icons by tag.
2. **Upload an image** in PNG, JPG, GIF, WebP or SVG format, less than 300KB.
3. **Figures**. Library of editable lines, shapes, and simple 3D figures.
4. **Text**.
5. **Icon palettes**. Contain icons for various categories such as City, Sports, Supermarket, Warehouse, Manufacture, Logistics, Construction, Factory, Power Energy, Building Systems, Office, Rooms, Events, Healthcare, IT/Network, Aviation, Railroad, Maritime, Military, Roads, Buildings, Transport, People, Nature and Winter. Swipe right to see category titles.
6. **Symbols**. Contains markers and symbols.

TOOLBAR (top)

Options to create, save, export, copy/paste, and many other:

1. **Create new file**. Enter your design name, width and height.
2. **Open source JSON file**. Open an icograms design file (JSON) that was downloaded previously.
3. **Export your design**. You can export your graphics in raster PNG, JPG, WebP, vector SVG and source JSON file formats.
4. **Switch modes**: 'Move and Selection' and Panning. You can also use hot keys: Ctrl+Click - to select several objects, Hold Shift - to select an area, Ctr+A - to select all objects, Hold Space - to switch for Panning mode.
5. **Copy** selected items.
6. **Paste** copied items into the middle of a workspace.
7. **Undo** latest operation.
8. **Delete** selected items.
9. **Lock** selected items or **Unlock** all locked items.
10. **Group** or **Ungroup** selected items.
11. **Clone** selected items. The arrow shows the direction of cloning.
12. **Change items order**. Send selected item back, backward, forward or to front.
13. **Submit Assignment**. Student can submit created design to the Teacher.

TOOLBAR (bottom)

Provides additional work area controls and file-related options to enhance the editing process.
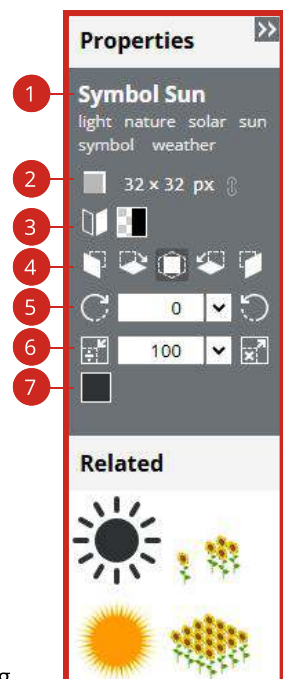
1. **Set or turn off grid steps**. Quickly enable or disable the grid for precise alignment.
2. **Customize the grid view**. Turn grid view on and off for easier editing.
3. **Display Align Lines**. Shows/hides alignment lines.
4. **Zoom**. Make your work area larger or smaller.
5. **Background color**. Change the background color or make it transparent.
6. **File Name and Size**. Allows you to change the name and size of the design at any time.
7. **Status**. Shows the status of your file. While Icograms automatically saves your changes, this feature gives you an opportunity to ensure your changes were saved before closing out of the platform.

PROPERTIES (right panel)

Adjust size, color, rotation, and other properties of selected objects.

1. **Name** and **Tags**. Click on tag to search icons by this tag.
2. **Size.** Shows the size of the item and allows you to change it manually. Available not for all objects.
3. **Flip** and **Transparency.**
4. **Shear options.** Available for symbols, lines, flat shapes, text and your own uploads.
5. **Rotate.** Available for symbols, lines, flat shapes, text and your own uploads.
6. **Scale.**
7. **Color Customization**.

⚠ The properties panel may differ depending on which object's properties it is showing.

Create Your First Icograms Project

Step 1: Starting the Project
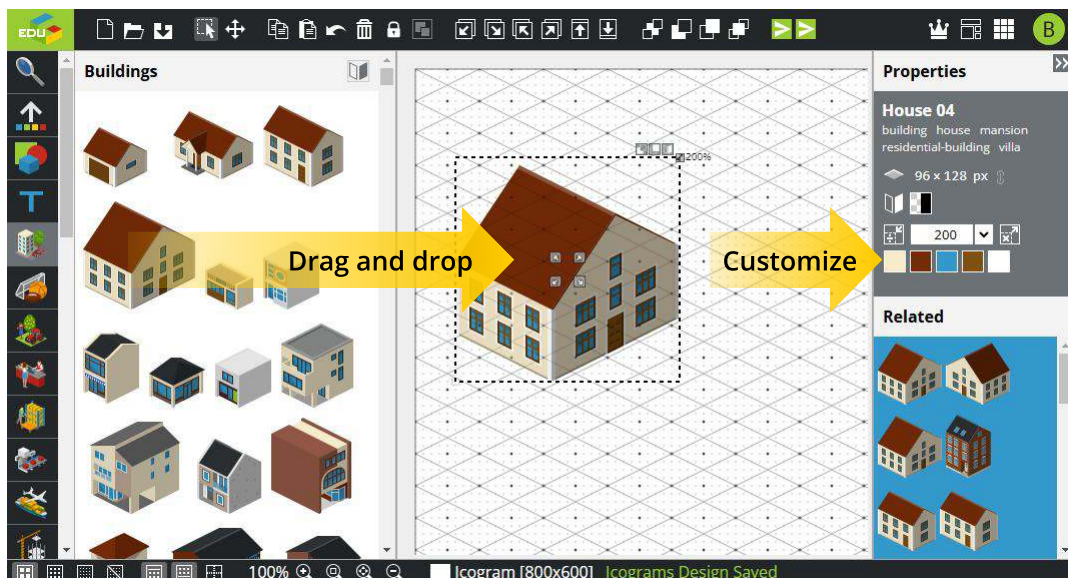
There are two ways to start your project:

- **Use a Template**: Go to Templates page and select a ready-made design to modify.
- **Start from Scratch**. Open Icograms Designer. Click "Create new icograms design" to start with a clean work area, if it already contains some objects.

Step 2: Adding Objects

1. Click on the Palettes panel on the left. Browse through categories or use Search section to search by tag.
2. Drag and drop an object onto the work area.
3. Add more objects to the work area. You can use Related section to see similar objects. Use Clone tools, Copy/Paste or Alt+Mouse Drag to duplicate objects.
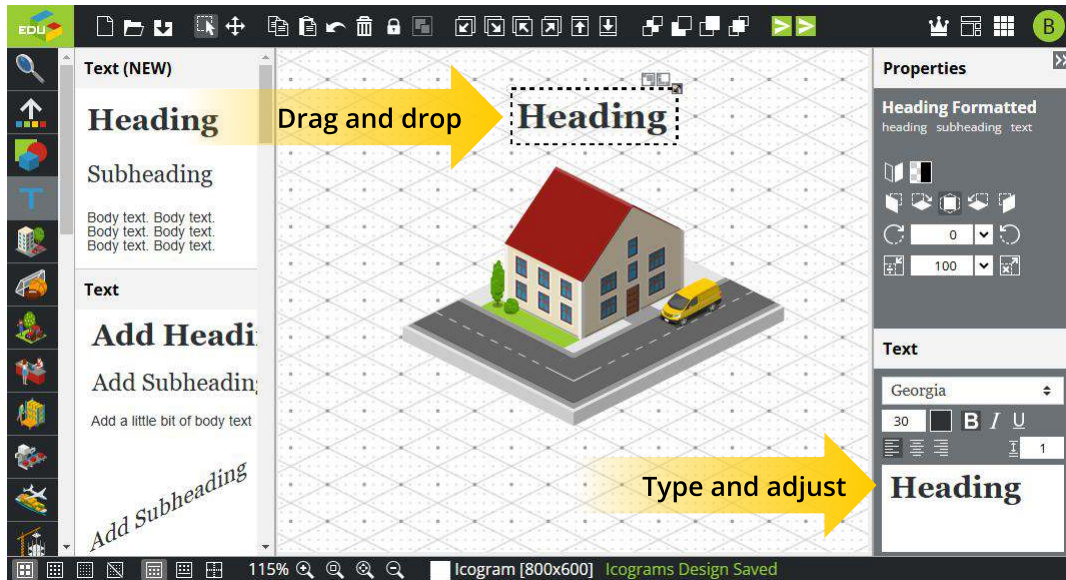
Step 3: Customizing Objects

Use Properties panel to customize objects: resize, flip, change colors and opacity. The properties panel may differ depending on which object's properties it is showing.
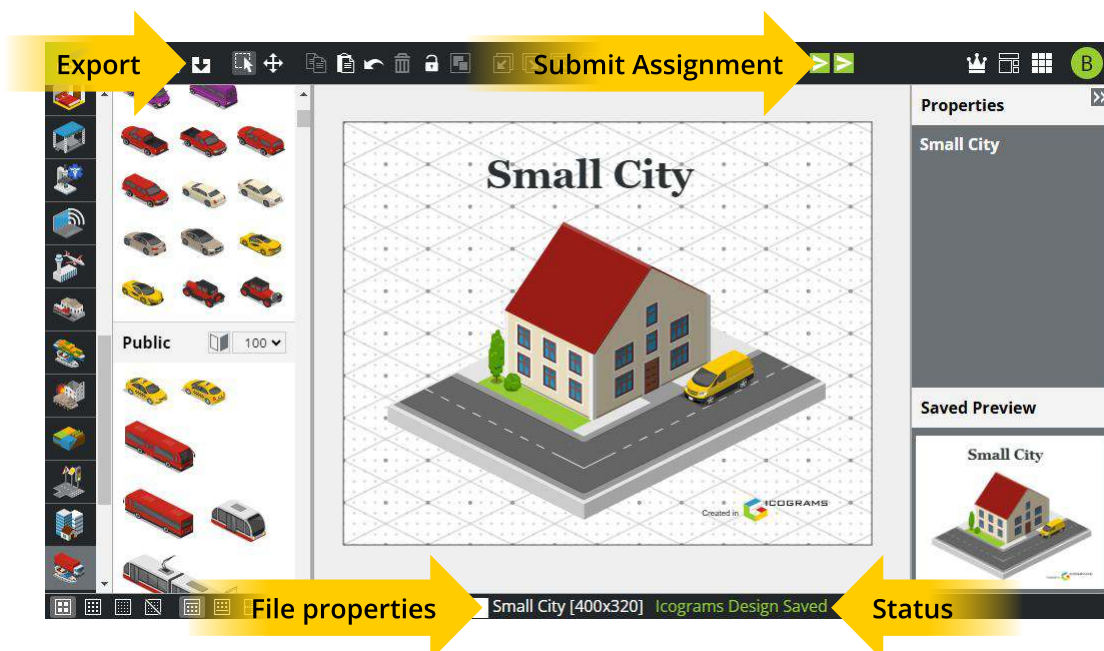
Step 4: Adding Text

1. Click on the Text palette in the left toolbar.
2. Drag and drop text onto the work area.
3. Type your text and adjust the font, size, and color using the Text Properties Panel.
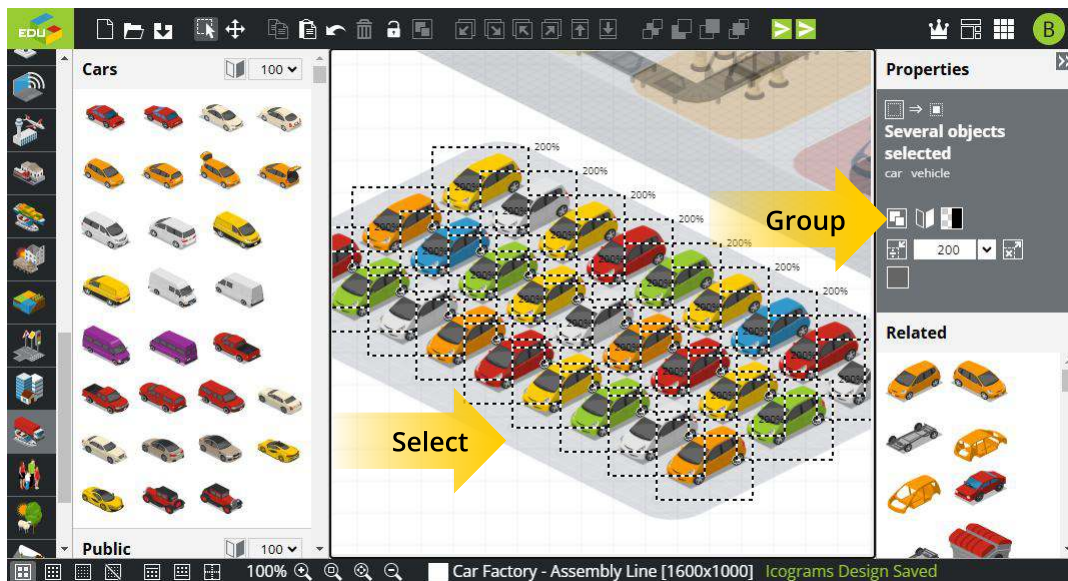

Step 5: Saving and Exporting Your Design

- **File properties:** Change the name, size, and background color of your file if needed.
- **Save:** The status "Icograms Design Saved" confirms that your design has been successfully saved in one of your folders.
- **Submit Assignment:** Students can submit their created designs to the Teacher.
- **Export:** Choose a format—PNG, JPG, WebP, or SVG—for high-quality vector graphics, then click the Export button.
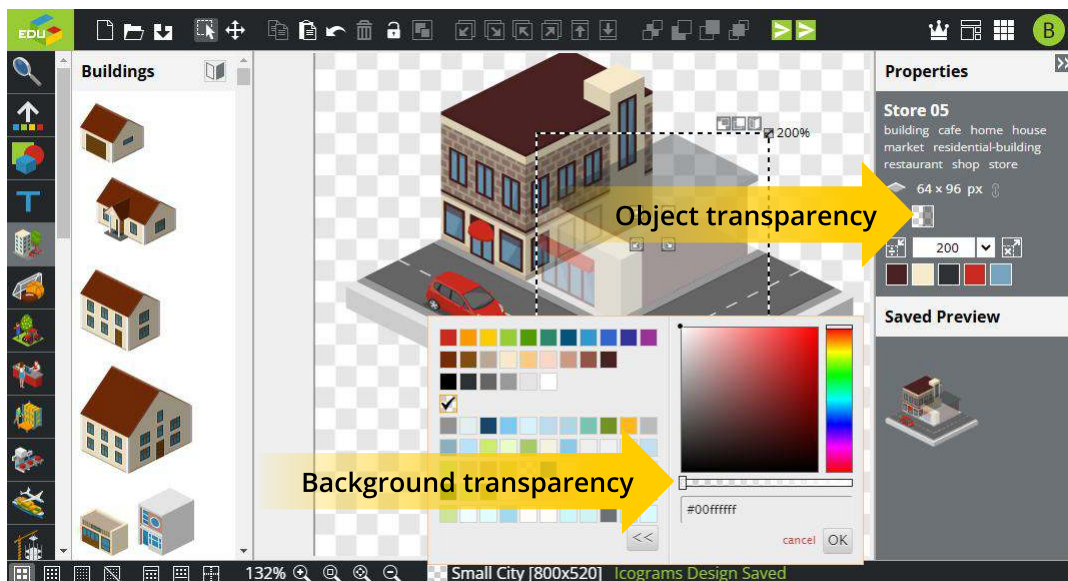
Tips & Tricks

Organize your design by grouping related objects

1. Select several objects. Use hot keys: Ctrl+Click - to select several objects, Hold Shift - to select an area, Ctr+A - to select all objects.
2. Group selected objects. Use Group buttons or Ctrl+G hotkey.
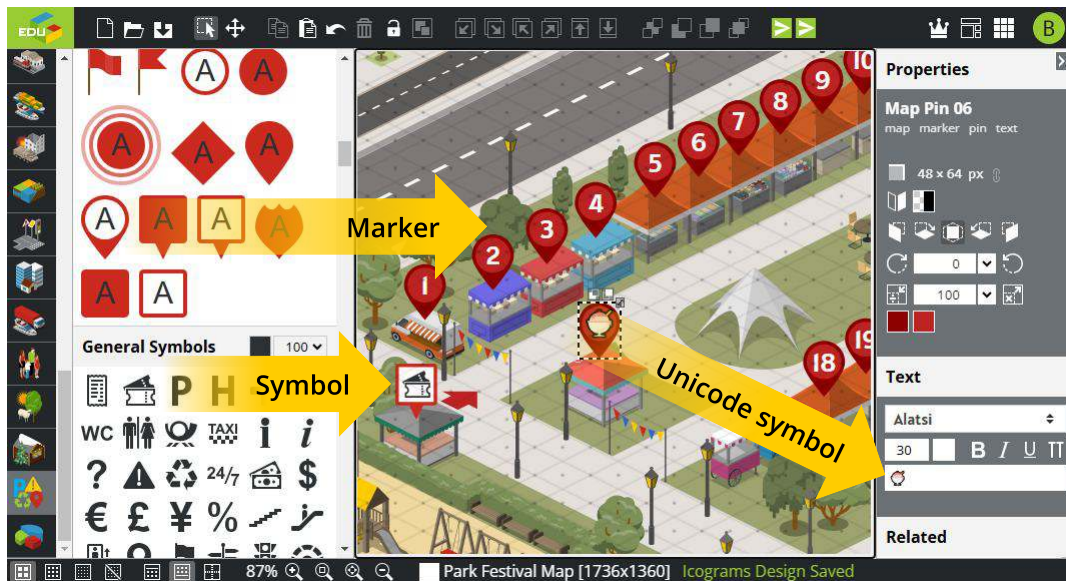3. Use double-click to enter and edit the Group.

Experiment with Transparency

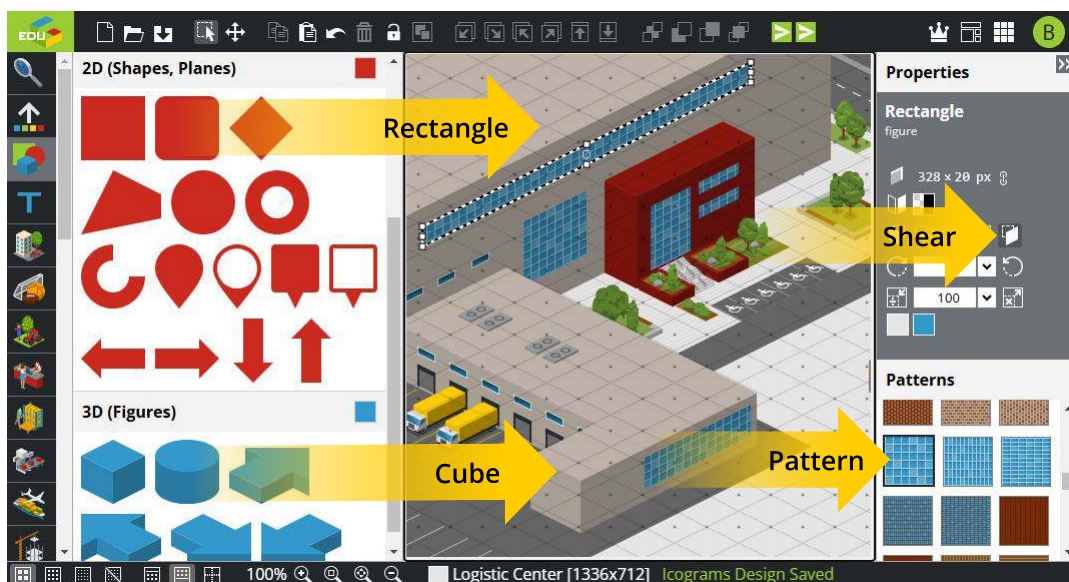Experiment with the transparency for different effects.

Use smart markers for your maps

When adding markers to your map, you can choose a marker with text inside, for example to mark vendor numbers. You can also insert a Unicode character instead of text.
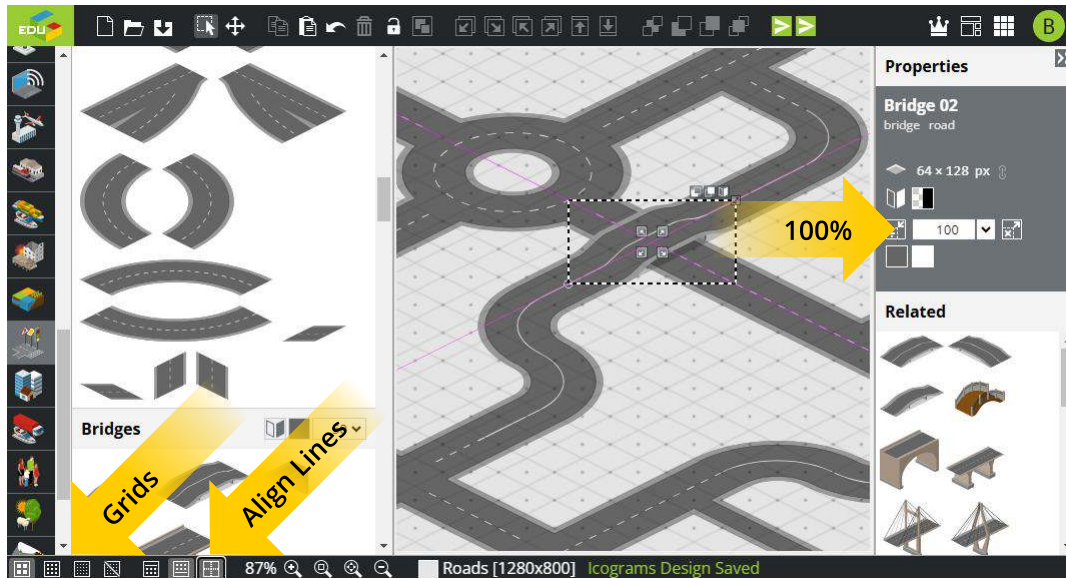

Create your own objects

Use lines, shapes and figures to create your own objects. You can use shear function for shapes and add patterns for more interesting visual effects.

Use the correct scale for perfect alignment

We designed our icons to fit together perfectly. To ensure this fit, we recommend using scales such as 50%, 100%, 200%, etc. For example, if you need a road at a scale of 57%, first create the road at a scale of 100%, group it, and then resize the entire group to 57%. If necessary, change the grid for better docking.

Final Thoughts

Congratulations on reaching the end of this guide! Now that you know the basics of Icograms, you're ready to create stunning illustrations, maps, and infographics. Whether you're designing for school or fun, the platform offers endless creative possibilities.

Don't be afraid to experiment with different objects, colors, and layouts to bring your vision to life.

Keep exploring, keep designing, and most importantly, have fun!

Sincerely,
Icograms Team