Janet the Architect:

Light Shining Through

Hi everyone! My name is Janet, and I am an architect. An architect is someone who designs buildings, like houses and schools!
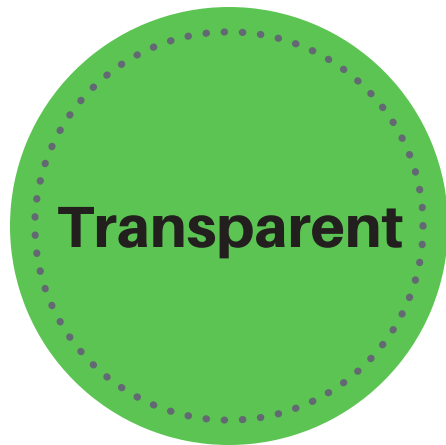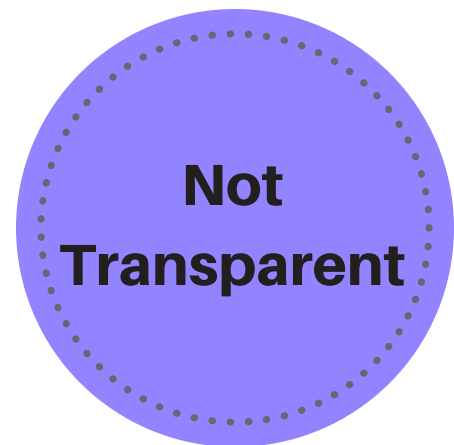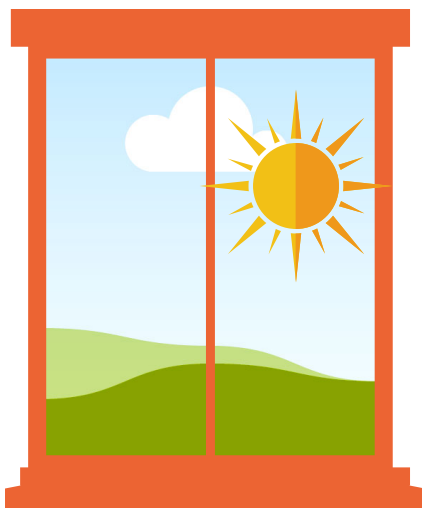
What I am Working On

Right now, I am designing a school. Today, I am working on the walls of the school. I want to make sure kids can see out the windows and enjoy the sunshine.

Transparent and Not Transparent

Windows can be transparent or not transparent.
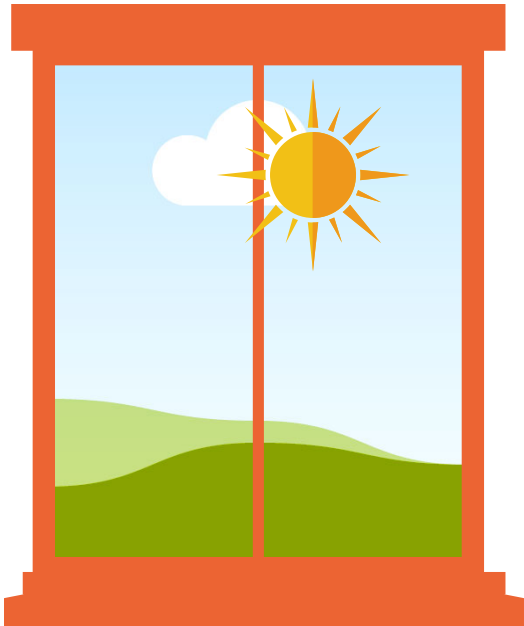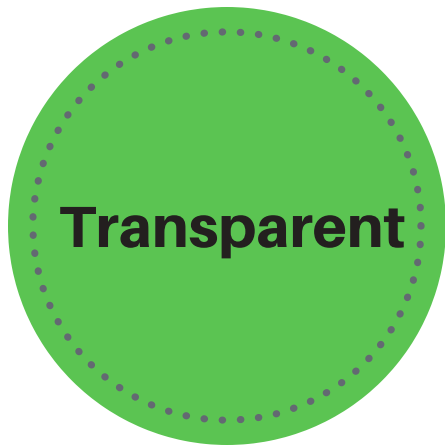
Transparent

Not Transparent

Transparent means you can see through it. If a window is transparent, light will shine through it.

Not transparent means you cannot see through it. If a window is not transparent, light won't shine through it.

Share Your Opinion!

Transparent

Not Transparent

Would you rather go to a school where the windows were transparent or not transparent? Share your opinion with the class!

Transparent Windows

Most students want transparent windows. That way, the light will shine into the classroom during the day.

Choosing Materials

It's time to choose materials to build the windows! What materials are transparent? Let's take a look at some different materials.

First, I build a window with wood. Oh no! Light cannot shine through the window. I can't see through the window. This window is not transparent.

Next, I build a window with brick. Oh no! Light cannot shine through the window when it is made out of brick. I still can't see through the window. The window is not transparent.

Building Windows

Next, I build a window with glass. Yay! Light can shine through the window. The window is transparent. I can look through the window and see the playground!

Best Parts about Being an Architect

The best part about being an architect is figuring out what materials to use when I build something. Today, I learned that glass is the best material to use when building windows. This is because glass is transparent. Light can shine through the window when it is made of glass.

You and your dog can be architects too! Grab some blocks and start building!