

- PROFESSOR EINSTEIN:** Where is Ms. Schlau? The lecture is about to begin. Oh, there you are. What happened to you? Did you fall into a bucket of paint? Hahaha.
- MS. SCHLAU:** Professor Einstein. Today, I created my very first piece of graffiti. JOWO, show it to us.
- PROFESSOR EINSTEIN:** You made that? Great! Isn't that illegal?
- MS. SCHLAU:** Usually yes. But there are some places where it's allowed. For my graffiti on the wall of the city park, I made sure to get the permission from the mayor's office.
- PROFESSOR EINSTEIN:** And where else is it allowed? I'd really like to do one too.
- MS. SCHLAU:** I'll show you that in a moment. Now, let's get started. Dear students, today we're investigating the question of how graffiti is made. For this, there's a film from Malin, a researcher on Christoph's team.
- PROFESSOR EINSTEIN:** JOWO? Are you ready?
- MS. SCHLAU:** Start the film! This is a piece of graffiti - a **picture (BILD)** or word painted with a can of spray paint. They can be found all over the place. But on bridges and electrical boxes they are strictly forbidden.
- But here on this wall, however, graffiti is permitted. They are true works of art. Malin is going to show us how the graffiti gets put on the wall. She visited Markus. He is a really famous graffiti artist, almost the Einstein of spray paint cans.
- PROFESSOR EINSTEIN:** Aha, I like him already!
- MS. SCHLAU:** Markus even gets paid for his art. He painted the picture on this high rise, for example. And on this building a...
- PROFESSOR EINSTEIN:** ... a hummingbird.
- MS. SCHLAU:** The ideas for these projects originate in his office on his **computer (COMPUTER)**. Today he's doing the **Mouse (MAUS)**, the **Elephant (ELEFANT)** and the **Duck (ENTE)**. In the middle he will add a mouse signature. Markus then lays a grid over the figures. They are squares like this. This is the template. Now Markus and Malin look in the basement for the appropriate colors. This could be the **blue (BLAU)** for the elephant. Yes, it works.
- PROFESSOR EINSTEIN:** What is rattling around in the can of spray paint?

- MS. SCHLAU:** Malin was wondering that as well. So she ended up doing what you're actually not supposed to do and cut open an empty spray paint can.
- PROFESSOR EINSTEIN:** Ah, so there are two balls inside.
- MS. SCHLAU:** They're there to keep the paint mixed up. That works like with this glass of water. Whenever you stir with a spoon, color mixes with the water. The balls in the can stir the paint. And now let's start. Let's get to this wall.
- PROFESSOR EINSTEIN:** Oh, they're putting gas masks on.
- MS. SCHLAU:** Yes, exactly, as protection so that they don't inhale any of the spray paint. The first step is to spray dots on the wall on after the next always in the same distance from one another.
- PROFESSOR EINSTEIN:** But why?
- MS. SCHLAU:** That you can understand when you look back at the template. A grid was placed over the image and there were intersections. This intersection on the template is placed on the upper right-hand side of the **wall (WAND)**.
- PROFESSOR EINSTEIN:** Brilliant!!!
- MS. SCHLAU:** The dots help Markus with drawing the figure because now he can reproduce the contours of the mouse box by box. And he does the same thing with the elephant and the duck.
- PROFESSOR EINSTEIN:** Ah, but when writing, he doesn't need the boxes anymore. He just sprays the letters by hand!
- MS. SCHLAU:** Exactly. And then you can fill in the areas. For that, you put the mask on again. And to make sure it comes out uniform, you spray it in steady movements. Markus is doing the elephant in blue and the duck in **yellow (GELB)**. A bit of **green (GRÜN)** gets added to the bottom. That's the grass. And then Markus adds a type of brick. Then he fills in the lettering.
- PROFESSOR EINSTEIN:** It's already looking great.
- MS. SCHLAU:** But something is still missing. Here's a piece of finished graffiti - One can't read it very well, but the letters look as if they're growing out of the wall. Really three dimensional. In order to make this picture with the mouse look 3D as well, Markus sprays the so-called blocks. He makes a little X. It's called a vanishing point. And then he stretches out a string. Now along the string he sprays short lines going out from the corners of the letters. He connects the lines with one another and then fills in the resulting squares.

- PROFESSOR EINSTEIN:** And these are the blocks?
- MS. SCHLAU:** Yes, exactly. They stick to the letters like shadows.
- PROFESSOR EINSTEIN:** Let me repeat the steps: So stretch a string, and spray on the shadow or block so that it heads toward the vanishing point.
- MS. SCHLAU:** Then he uses white paint in the blocks to lighten things up. That makes it look even better. And then he uses a really dark spray paint to give the blocks a border.
- PROFESSOR EINSTEIN:** Oh, now the letters are looking like real graffiti letters.
- MS. SCHLAU:** Exactly. Now the duck and elephant also get their **black (SCHWARZ)** borders and very important: the eyes. Now just one thing is missing: the signature of the artist. And we're finished.
- PROFESSOR EINSTEIN:** Wonderful. This was an excellent lecture. What did you think? Huh? What's going on now? Who's calling in the middle of a lecture? Wait, that's the VIP ringtone. I have to take this. Professor Einstein speaking, may I ask who's calling? Ah, hello Mr. Mayor. I understand. Oh... that is. Yes, Ms. Schlau is here. Shall I go get her? Ms. Schlau, the mayor is calling. He's shouting like crazy because you sprayed graffiti on the wrong city wall.
- MS. SCHLAU:** What?! Oh, for heaven's sake. I just... but I thought it was all... Oh, no...!
- PROFESSOR EINSTEIN:** Haha, got you! Don't worry, it was just a joke. He wants to thank you. He says it's a great work of art.
- MS. SCHLAU:** Ah, you... ah...! I could...
- PROFESSOR EINSTEIN:** Haha ...