

**GEEK
& CO.
CRAFTS!**

INSTRUCTION MANUAL

3D SiDeWaLk CHALK

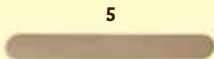


Warning.

Not suitable for children under 8 years. For use under adult supervision. Read the instructions before use, follow them and keep them for reference.

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KIT CONTENTS



1 | Plaster powder (200 g)

4 | 3D glasses

2 | Dye tablets (5)

5 | Wooden spatula

3 | Measuring cups (2)

6 | Mold

YOU WILL ALSO NEED: An old plastic bowl, a stone, water, sandbox or sandy ground, bucket, empty toilet paper roll, scissors, paper, tape, soup bowl, small mirror, flashlight, white cardboard, leftover wallpaper section, pencil

Dear Sidewalk Artists,

You have seen it written on your classroom blackboard and drawn on the sidewalk: chalk! But did you know that it's super easy to make your own chalk? You probably also didn't know that you can use chalk to create cool 3D effects. With this kit, you will be able to make a big impression on anyone who thought that chalk was just something boring for teachers to use!



A leap into the 3rd dimension

Did you make a work of art with your homemade chalk? Good. Now it's time to put on your 3D glasses. The effect may seem a little subtle at first. But if you look closely, you will see how your picture seems to come toward you or lift itself a little bit up off the surface on which you drew it.

How is that possible? The trick lies in the glasses that you put on. The eyeglass lenses contain lots of little prisms. A **prism** is a clear geometric shape made of plastic or glass that looks like this:



When ordinary light strikes a transparent prism, it is broken into its constituent parts and you see a rainbow. It works exactly the same way as in the previous experiment, except in this case the light is moving through the prism's material rather than water.

When the colors are guided in different directions by the glasses, they strike different parts of the eye. This tricks your brain into thinking that the different colors are actually different distances away from you.



TIP!

You can intensify the 3D effect by drawing on a dark surface. Try it!

PART 3

THE GREAT

WORK OF CHALK ART

Chalk mandala

You will need:

Your cool homemade chalk, *section of leftover wallpaper or similarly thick paper, pencil, scissors, a couple friends, tape*

Here's how:

- 1 Usually, mandalas are drawn with colored pencils. But why be modest when you have 3D chalk at your disposal? For your chalk mandala, start by cutting a large circle out of a leftover piece of wallpaper.
- 2 Now, use a pencil to draw lots of shapes on the circle (flowers, stars, animals, etc. — let your imagination run wild). Be sure to make them big enough to be colored in with chalk. Finally, carefully cut out the shapes.

1



2

