



Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

METHODOLOGY FOR TEACHING CORELDRAW PROGRAM TO STUDENTS IN COMPUTER DESIGN

Karimova M. Q.

Tashkent Institute of Textile and Light Industry

Abstract:

Currently, the development of information and communication technologies requires the use of modern software tools in the education system. In particular, the role of graphic editor programs in computer design is invaluable. Within the framework of this discipline, it is an important task to form students' skills in creating graphic images, preparing technical drawings, and developing design elements.

Keywords: Computer design, CorelDRAW, vector graphics, graphic design, digital technologies, educational process, effects, design direction.

Introduction

CorelDRAW is a vector graphics program that is widely used in various fields - advertising, printing, light industry, clothing design and design. Therefore, teaching the effective use of this program requires a methodical approach and systematic planning from the teacher. CorelDRAW is distinguished by its convenient interface, wide functionality and accuracy.

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

Using the program:

- create vector images;
- preparation of technical drawings;
- development of logos and advertising products;
- drawing clothing patterns and designs;
- It is possible to prepare a mockup of printed products;

Using this program in computer design science develops spatial thinking, graphic literacy, and aesthetic taste in students. In addition, the student gains practical experience through independent project development. CorelDRAW training should be organized in stages. The following methodological approach is effective.

In theoretical preparation, students are initially given the following theoretical concepts:

- the difference between vector and raster graphics;
- color models (RGB and CMYK);
- composition basics;
- font and typography rules

When teaching CorelDRAW, it is important to adhere to the following pedagogical principles:

- Consistency and systematicity: Lessons are organized step-by-step, from simple operations to complex projects.

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

- Demonstrativeness: Each command is explained through practical demonstrations (via an interactive whiteboard or projector).
- Practical orientation: Theory and practice are carried out in harmony. An independent assignment is given at the end of each topic.

Stages of learning effects in CorelDRAW:

Effects are tools that enrich the appearance of a graphic object, giving it volume, depth, and aesthetic expression. The rational use of effects in the design process ensures the balance of the composition and increases the power of visual impact. CorelDRAW uses Effects to add depth, light, shadows, color transitions, and other visual effects to images, text, and shapes. The most commonly used effects are:

1. “Drop Shadow”

Effects



Or in the left panel, Interactive Drop Shadow Tool.

1. Select the object;
2. Select the Shadow tool;
3. Drag the object outward and set the direction of the shadow;
4. You can set the following settings from the panel:
 - Opacity – shadow density
 - Feathering – level of blurring
 - Shadow color – shadow color

Gives the sketch a realistic look, can be used to emphasize the depth of patterns, and in logo and lettering designs. (1 – picture)

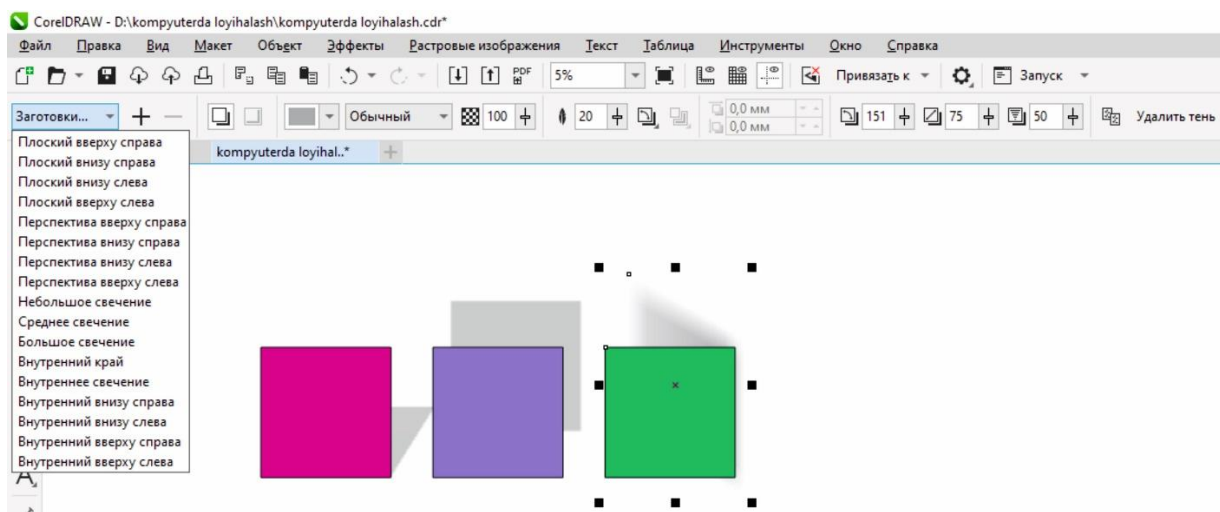
Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>



1 – picture

You can select shadow types from the list on the left.

2. “Transparency”

Effects



The Transparency tool is used to reduce the visibility of objects, create long gradient transparency, create shine, daylight transitions, metallic effects, and soft transitions.

- The object is selected;
- The Transparency tool is clicked;
- Gradient transparency is created by dragging the cursor over the object;

There are several types of transparency in CorelDRAW. They are selected from the top of the panel:

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

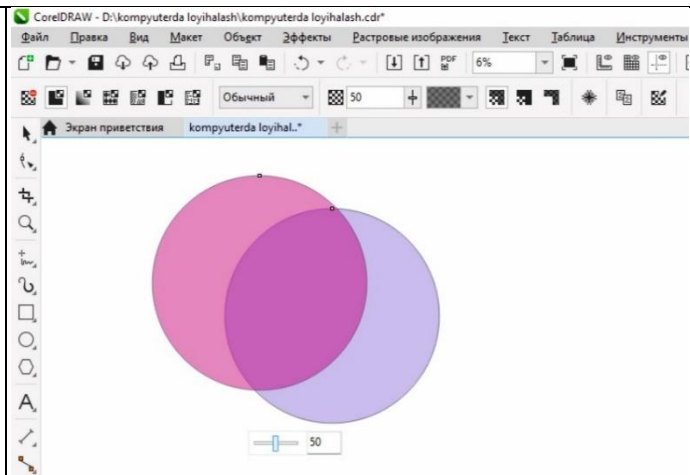
ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

- Homogeneous (uniform, on all surfaces)



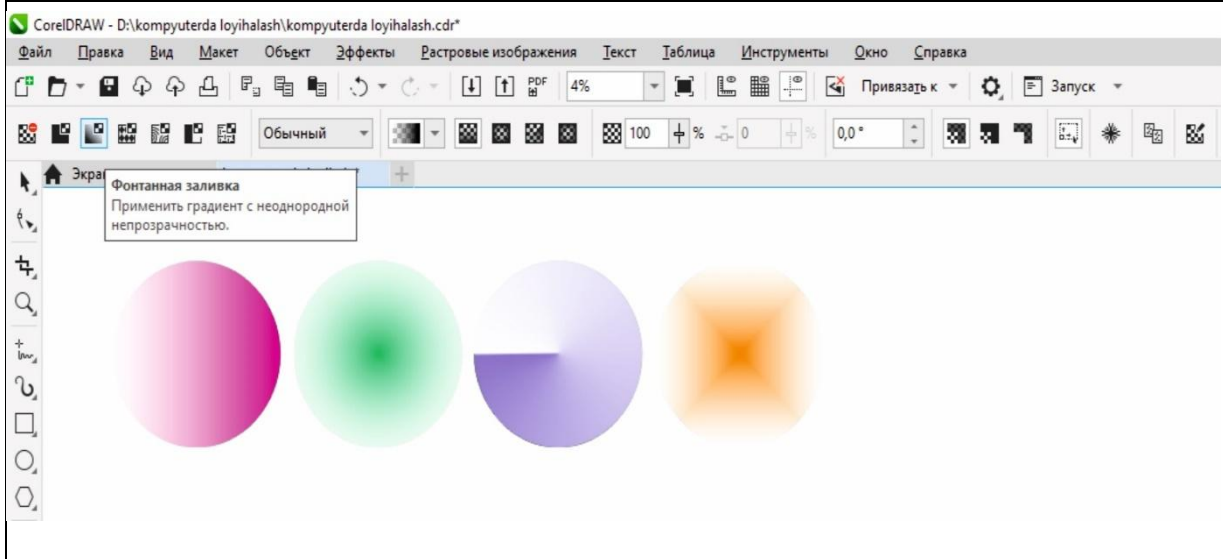
- Fontannaya zalivka (Fountain filling)

1. Linear (linear)

2. Ellipticheskaya (elliptical)

3. Konicheskaya (conical)

4. Pryanougolnaya (rectangular)



Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

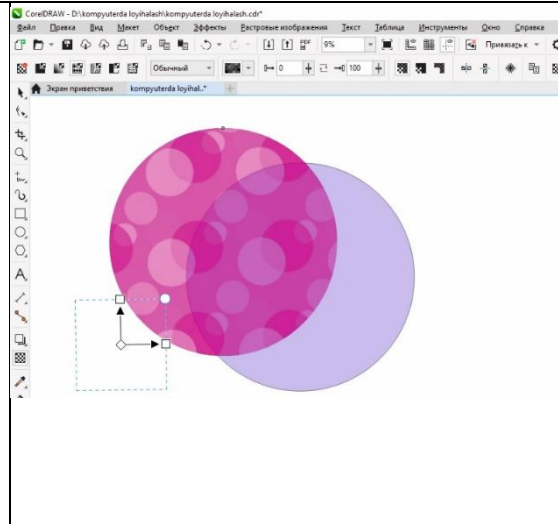
ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



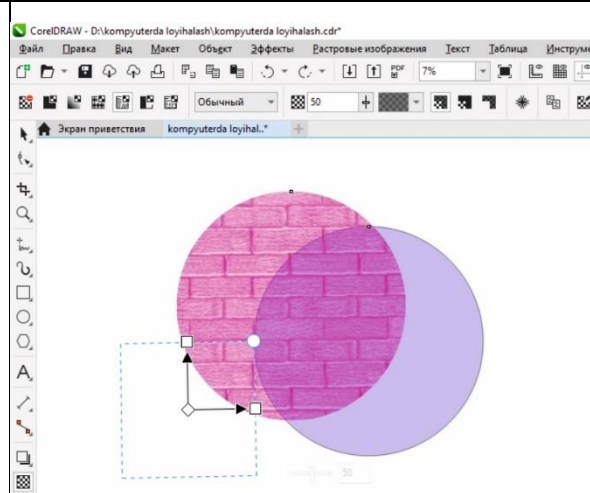
This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

- Transparency of full-color pattern



- Transparency with a solution pattern



Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

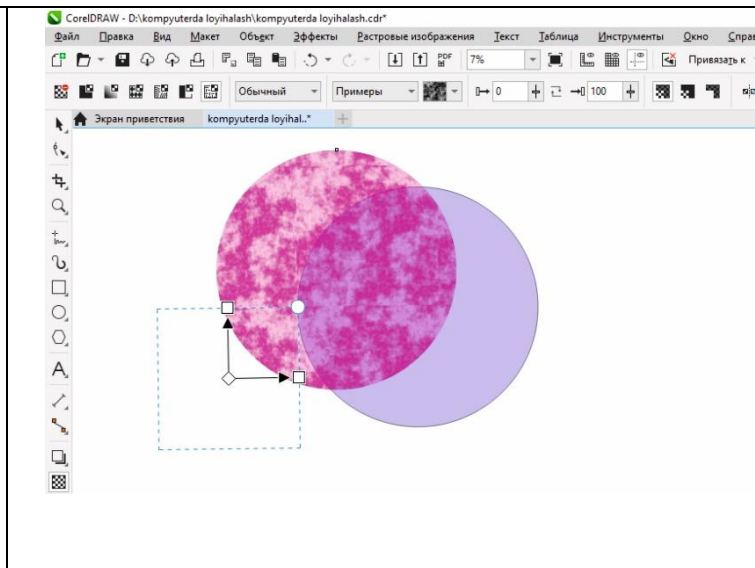
ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

• Texture transparency



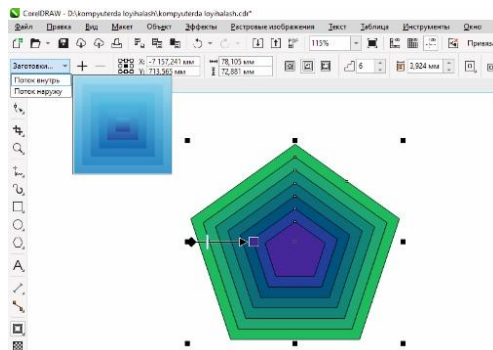
3. “Contour”

Effects →



1. Select the object
2. In the Path window:

Inside



Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

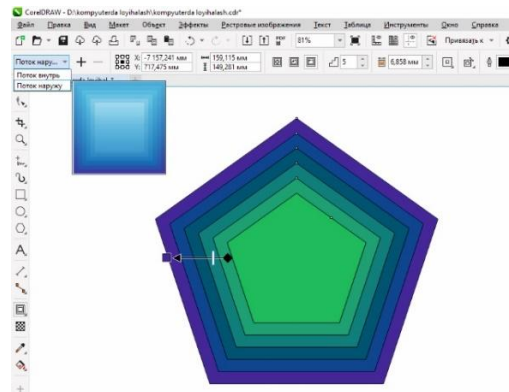
ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

Outside



You can change the number of steps (number of steps) and the thickness of the contour (thickness). You can create a layered shape when drawing a pattern, thicken the contour of the logo, and create multi-layered geometric transitions in ornaments.

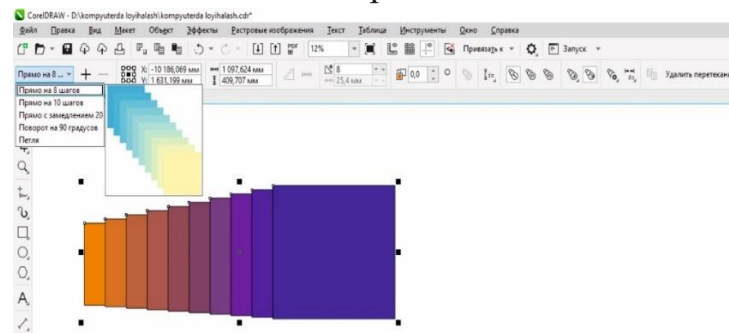
4. “Blend”

Effects →



Creates a gradual transition (gradation) between two objects.

1. Draw two objects;
2. Select both
3. Select Blend → set the number of steps



2 – picture

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

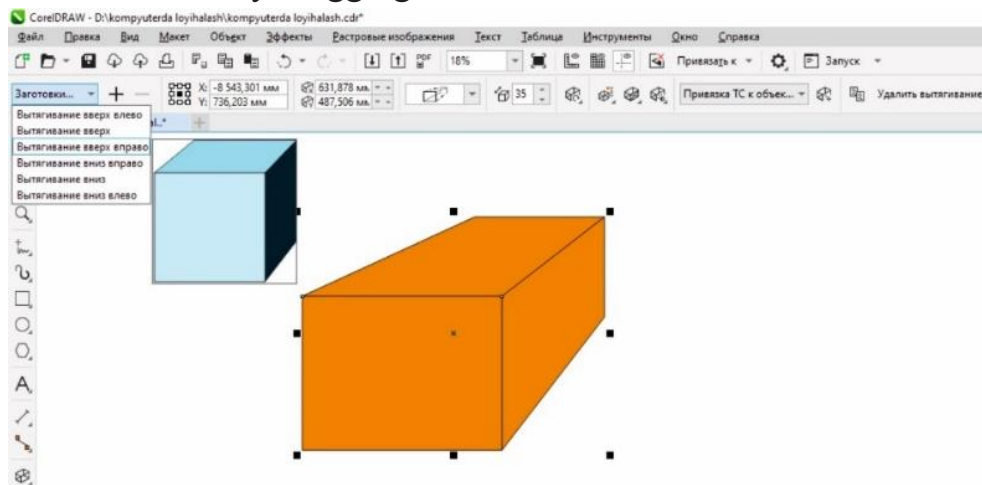
You can change the object position using the list on the left. The number of objects, the distance between them, and the color are changed from the additional menu above. When creating ornamental patterns, dynamic “patterns” for clothing, transition effects from lines to flowers are created (2 – picture).

5. “Extrude”

Effects →



1. The object is selected;
2. The direction is set by dragging;



3 – picture

You can change the appearance of the object using the list on the left (3 – picture).

6. “Envelope”

Effects →



1. Select text or shape;
2. Open command;
3. Drag top nodes to resize shape;

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>



4 – picture

Conclusion

Teaching CorelDRAW in computer design is an important component of modern education. With the help of the program, students not only master the basics of graphic design, but also master the basics of technical design and drafting.

The right methodological approach, attention to practical exercises, and independent project work play an important role in developing students' professional competencies. Thus, teaching CorelDRAW software serves to increase the effectiveness of computer design science.

In conclusion, CorelDRAW is an effective and modern tool for teaching computer design. It develops students' creative thinking, provides technical accuracy, and prepares them for professional activities. Therefore, it is advisable to widely introduce CorelDRAW into the educational process.

References

1. Xasanov, A. "Grafik dizayn asoslari". – Toshkent, 2021.
2. Karimov, B. "Raqamli dizayn texnologiyalari". – Toshkent, 2022.
3. Samandarov, D. "Poligrafiya va kompyuter grafikasi". – Toshkent, 2020.

Eureka Journal of Geoscience, Materials & Resource Engineering (EJGMRE)

ISSN 2760-4985 (Online) Volume 02, Issue 06, June 2026



This article/work is licensed under CC by 4.0 Attribution

<https://eurekaoa.com/index.php/9>

4. Zamonaviy grafik dizayn bo'yicha ilmiy maqolalar to'plami.
5. Smith J. Digital Design Technologies. London: TechPress, 2019.
6. Brown A. Computer-Aided Design in Education. New York: Academic Publishing, 2020.
7. Corel Corporation. CorelDRAW User Guide. Ottawa, 2021
8. Jones M. Graphic Design Software Applications. Berlin, 2018.
9. PECULIARITIES OF BRINGING NATIONALISM INTO MODERN FASHION DESIGN. (2025). Global Journal of Innovation and Studies in Interdisciplinary Research, 1(1), 78-85.
<https://thepublishgate.com/index.php/globaljournal/article/view/36>
10. Makhammatovna, S. S. (2023). Pedagogical and Psychological Aspects of Improving the Methods of Developing Students' Creative Research. Web of Semantic: Universal Journal on Innovative Education, 2(3), 37-41.
11. Sindarova, S. M. (2024). METHODOLOGY OF STUDENT CAPACITY DEVELOPMENT IN TEACHING ENGINEERING GRAPHICS. Академические исследования в современной науке, 3(25), 194-199.
12. Makhammatovna, S. S. (2023). DEVELOPMENT OF ENGINEERING GRAPHICS STUDENTS TO CREATIVITY THROUGH IMAGINATION VIEWS. Лучшие интеллектуальные исследования, 3(1), 22-26.
13. Shoxista, S. Abdug'aforovich, MA (2022). METHODOLOGY OF STUDENT CAPACITY DEVELOPMENT IN TEACHING ENGINEERING GRAPHICS. Gospodarka i Innowacje, 22, 557-560.