

A decorative border made of colorful LEGO bricks in various colors (red, blue, green, yellow, orange) surrounds the text. The bricks are arranged in a way that they appear to be part of a larger structure, with some bricks having circular patterns on them.

Medical Center

Health and Well-being

Key words:

Lego, Medical Center, health, construction, creativity, sustainability, doctor, nurse, patient

Target group:

primary school pupils
(ages 6-11)

Objectives:

This activity introduces children to healthcare professions and hospital environments through playful LEGO construction. While building their medical center, participants will explore health concepts interactively, develop empathy through role-play scenarios, and enhance problem-solving skills. The project fosters teamwork in collaborative building while encouraging creative storytelling. Children will improve construction skills and motor coordination while learning basic sustainability principles by designing community-focused medical facilities that balance efficiency with responsibility.

General Guideline on Time Allocation:

The duration needed to carry out this activity may vary depending on the specific group of children. Teachers are encouraged to adapt the implementation according to the needs, interests, and dynamics of the group.

In the preparatory phase, teachers may use a variety of activities to introduce and contextualize the chosen topic. These can include discussions, videos, drawings, storytelling, or even a field trip, depending on the age and background knowledge of the children.

The main construction phase, during which children plan and build their urban element using LEGO bricks, should typically not exceed 45 to 60 minutes. However, this phase often stimulates further curiosity and questions among the children, potentially leading to extended engagement or follow-up activities. For more detailed instructions and pedagogical support on how to implement activities of INNO-kids project, please download the Teacher's Methodological Guide.

Materials/resources required:

- Several Lego pieces of different colors and shapes.
- Lego bases (optional).
- Lego miniatures of people (patients, doctors, nurses, etc.).
- Lego stretchers or other materials to build stretchers.
- Lego ambulances.
- Lego wheelchairs.
- Lego medical equipment (stethoscope, thermometer, syringe, etc.).
- Lego office utensils (table, chair, computer, etc.).
- Lego signs with medical symbols (red cross, etc.).

Note: To enhance your Lego medical centre build, feel free to get creative and use other materials beyond just Lego. This can add more detail, textures, and realism to your activity.

Here are a few ideas for what you can use:

- Craft Materials: Think paper, card, felt, or foam to make signs, rugs, partitions, or decorative elements.
- Small Everyday Objects: Buttons can become machine controls, small empty tubes can be medicine bottles, or even fabric scraps can be used for curtains or blankets.
- Natural Elements: Small twigs can be trees outside the centre, or pebbles could serve as landscape features.



Introduction:

Talk to children about the importance of health and well-being. Explain what a hospital is and how it works. You can show photos or videos of real hospitals for children to get a better idea of the environment. Dialogue on the different health professions, such as doctor, nurse, receptionist, etc., and explain the roles of each one.

A medical center is a place where people go to receive health care when they are sick or in need of medical help. In this activity, we will become architects and builders of a medical center! We will use LEGO to create an imaginary medical center, where we can invent different rooms, equipment and even doctors and patients.



Procedure:

Preparation

Introduce the topic of the medical center and briefly discuss the services that a medical center offers. Show participants the LEGO sets available and explain that they will use these blocks to build the medical center.

Divide the children into groups of 2 to 4 people.

Construction

Let the kids explore LEGO and start building the medical center.

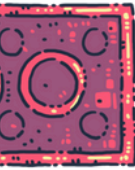
Encourage creativity and imagination while building different rooms, such as the reception, medical offices, nursing rooms, etc. Encourage them to think about how they can make the medical center more sustainable, for example by using solar energy or recycled materials. Encourage creativity and collaboration among team members.

Details

Once the basic structure of the medical center is ready, groups can add details such as:

- Lego miniatures representing patients waiting in the waiting room, being consulted by doctors or performing tests.
- Lego stretchers in the office and in the exam room.
- Lego ambulance carts carrying patients.
- Lego wheelchairs for patients with reduced mobility.
- Lego medical equipment such as stethoscope, thermometer, syringe, etc.
- Lego office utensils at reception and offices.
- Lego signs with medical symbols to indicate the different departments of the medical center.

Presentation



After the construction is complete, ask the children to present their medical centers to the class. They can draw up a written story about a situation, or tell the story of the construction. Each child can explain the different parts of the medical center they have built and how these parts work to help people.

Tips:

- Encourage teamwork during all activities. Children should collaborate with each other to plan, build and decorate their creations.
- The most important thing is that the children have fun during the activities! Encourage creativity, imagination and experimentation.



Additional Considerations:

Differentiation:

Provide additional support or simplified instructions for pupils who may require extra assistance. For advanced pupils, offer extension tasks such as researching further sustainable practices or designing more complex models.

Assessment:

Assess pupils based on their participation and engagement during discussions and hands-on activities. Evaluate the creativity, effort, collaboration, depth of understanding demonstrated in their models, critical thinking, ability to provide constructive feedback and presentation skills.

Connection to the curriculum:

This activity integrates:

Environmental Studies (community health services, health professionals, human body, hygiene)

Art (creativity, design, LEGO construction)

Mathematics (counting, sorting and classifying LEGO pieces)

Language (oral and written communication, storytelling, project description)

Citizenship and Social Development (empathy, respect, social and personal responsibility for health)

SDG Connections:

- **SDG 3** - Quality Health: Ensure healthy lives and promote well-being for all at all ages.
- **SDG 4** - Quality Education: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
- **SDG 11** - Sustainable Cities and Communities, when considering sustainability in the construction of the medical center.

Note: This activity explores the topic of health and medical services. In addition, it considers sustainability in the construction of the medical center.