Transport playground

Transport park, fun trips!

Key words:

Children's Playground Transport Legos Construction Creativity Collaboration

Objectives:

Learn about different types of transport and their importance in everyday life. Stimulate the ability to solve problems and plan in the construction of the park. Develop fine motor skills and coordination through building with Legos. Stimulate creativity and imagination. Promote teamwork and collaboration among children. Integrate knowledge of physical education, science, and the arts.

Target group:

primary school pupils (ages 6-11)



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:

- Legos of different shapes and sizes. LEGO figures: Transport (buses, cars, bicycles, trains, planes, boats).
- Images of different types of transport (buses, cars, bicycles, trains, planes, boats).
- Paper sheets and coloured pencils. Small puppets or Lego figures.
- Factsheets on transport.

Note: in the absence of elements in LEGO pieces, invite children to draw, color and cut on paper, or build using other material.

Introduction:

Explain to children that a transport playground is a special place where children can learn about different means of transport and how they work while having fun. Talk about the importance of transport in our daily lives, what transports there are and how they help people move and transport goods. Involve children in research on the history and function of different means of transport. Show pictures of various types of transports so that children become familiar with them.

Procedure:

Preparation

Divide the children into small groups of 3 to 4 participants.

Each group should discuss and plan what their transport playground will look like. They can draw a sketch on paper to help them in the construction.

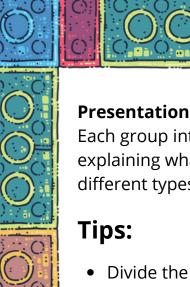
Construction

Using Legos, groups start building their playground, including different areas for each type of transportation (one area for cars, one for bicycles, one for airplanes, etc.). Encourage children to be creative and think outside the box when building their vehicles.

Details

After construction, children can decorate their park with additional pieces and draw small traffic signs, pedestrian lanes and other elements that increase the realism of the park.





Each group introduces their transport playground to the rest of the class, explaining what they have built and what they have learned about the different types of transport.

- Divide the activity into clear steps, starting with research and planning, followed by construction, and ending with the submission of projects. Suggest that children define which transports they will include in their construction and create specific spaces for each one. Emphasize the importance of incorporating elements such as roads, people and green spaces in its construction.
- Distribute art materials such as cardboard and markers, which can be used so that children can create additional elements to decorate their constructions, making them more appealing. Perform searches on specific elements related to each means of transport (control towers, stops, etc.).

Curriculum Connections:

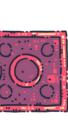
This activity integrates:

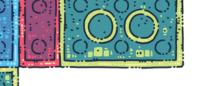
Environmental Studies (types of transport, mobility and their societal importance)

Mathematics (spatial sense, geometry, measurement and proportion) **Language** (oral communication, idea sharing, project presentation) Art (design, creativity, LEGO construction)

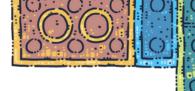
Physical Education (movement, locomotion, body awareness) **Social Skills** (teamwork, communication, collaboration)

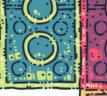












SDG Connections:

- SDG 3: Health and Well-being Encourage understanding of the importance of mobility and physical activity.
- **SDG 4:** Quality Education Promote inclusive and equitable learning by encouraging creativity and critical thinking.
- **SDG 11:** Sustainable Cities and Communities Encouraging knowledge about sustainable transport systems and their importance to the community.
- **SDG 13:** Action Against Global Climate Change Raise awareness of the importance of reducing carbon emissions and combating climate change.
- SDG 17: Partnerships and Means of Implementation Encourage collaboration and teamwork by developing communication and cooperation skills among children.







