KIDS BUILD THEIR KNOWLEDGE AND SKILLS ABOUT THE WORLD THROUGH STEAM

Topic: Rows and columns

Resources for each team: a large green baseboard, a coordinate system card and corresponding construction material; a dozen 2x2 bricks of the same color; two envelopes containing activity cards J-1-1.

J-1

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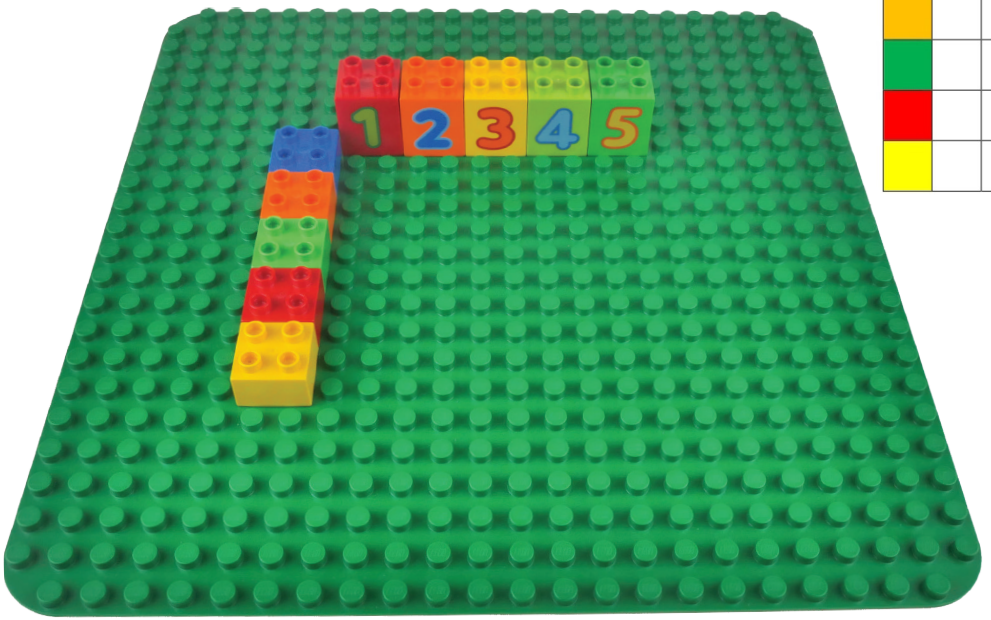
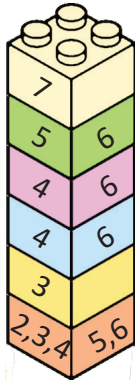
Activities:

1. The teacher distributes the construction cards and associated construction material to the teams.
2. The teacher asks the children to build the model shown on the card.
3. The teacher displays one of the previously-prepared activity cards and explains how to use it: one child receives the card but must not show it to the other. They are to look at the diagram, then give instructions to the other child as to where on the plate model to place bricks. Each instruction must specify the column number and row color (Example: "Put a brick in the second column of the yellow row!"). The other child has to find the spot on the plate and place a brick there. The goal is to get the whole pattern from the schematic onto the plate
4. The teacher gives one activitycard to each team. The children work to complete the exercise.

	1	2	3	4	5
			X		
		X		X	
			X		

5. After all the instructions have been followed, the two children in the team compare the model that results with the diagram on the activitycard. If necessary, corrections are made, with or without help from the teacher.
6. The teacher gives each team a second activity card. The children change roles and complete the exercise once more.
7. The teacher and children together comment on the performance of the exercise. All conclude that with the help of rows and columns you can specify the exact location of an object on a square grid.