

**Topic: Visual Illusion**

**Resources:** Large green baseplate, instruction cards 481, 484 and corresponding construction material, two tall bricks, two 2x4 plates, flashlight, activity cards D-5-1, D-5-2, D-5-3, D-5-4, seaweed, human figure.



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**Sequence of activities:**

1. The teacher gives each team the necessary resources. They are to build the house, the shadow screen, and place the flashlight between the two tall flat bricks.
2. Each team is given the four activity cards and told to recreate each of the situations on the screen by positioning the objects appropriately in relation to the light source.
3. The children carry out the activity on the first card then, with the teacher, discuss how the objects should have been positioned relative to the light source in order to obtain shadows of the desired size.
4. Similarly, the remaining three activities from the cards are carried out and discussed.
5. The teacher gives the children an opportunity to create their own picture using their objects by choosing positions relative to the light source.
6. The children create their pictures.
7. When the pictures are ready, the children arrange the models (without flashlights) next to each other in a designated place in the room. They stand in front of the exhibition. As teacher illuminates each model in turn, team that created it presents their picture.
8. The children, with their teacher, draw the conclusion that when playing with light and shadows, small objects can appear very large, and vice versa - large objects can appear small. In this way, a visual illusion may be created.

