**MATERIALS:** 1 Red cube, 3 thick red and black prisms, 3 thin red and black prisms, 1 blue cube, 3 tall blue and black prisms, 3 short blue and black prisms, 1 yellow cube, 3 tall yellow and black prisms, 3 short yellow and black prisms and 6 black prisms. All the pieces once assembled form the trinomial cube (a+b+c)3 . The assembled cube is in a box. A trinomial square in matching colors is painted on the lid of the box. A table mat.

**AIMS:**

DIRECT AIM: Building a cube

INDIRE3CT AIM: Refinement of visual discrimination

**PRESENTATION**

Use color, shape, and dimension as reference to build the cube

**EXERCISE 1**

The child’s own activity as shown in the presentation

**EXERCISE 2- Splitting the cube**

a) Build the cube outside the box

b) Split the cube vertically and horizontally layer by layer

c) Show the similar patterns inside each of the layers to the child.

**EXERCISE 3- Building in layers**

a) Build the bottom layer first and then the top layers

b) Place the second layer on top of the bottom layer, then the top layer on top of the second layer

c) Invite the child to construct the layers

**CONTROL OF ERROR**

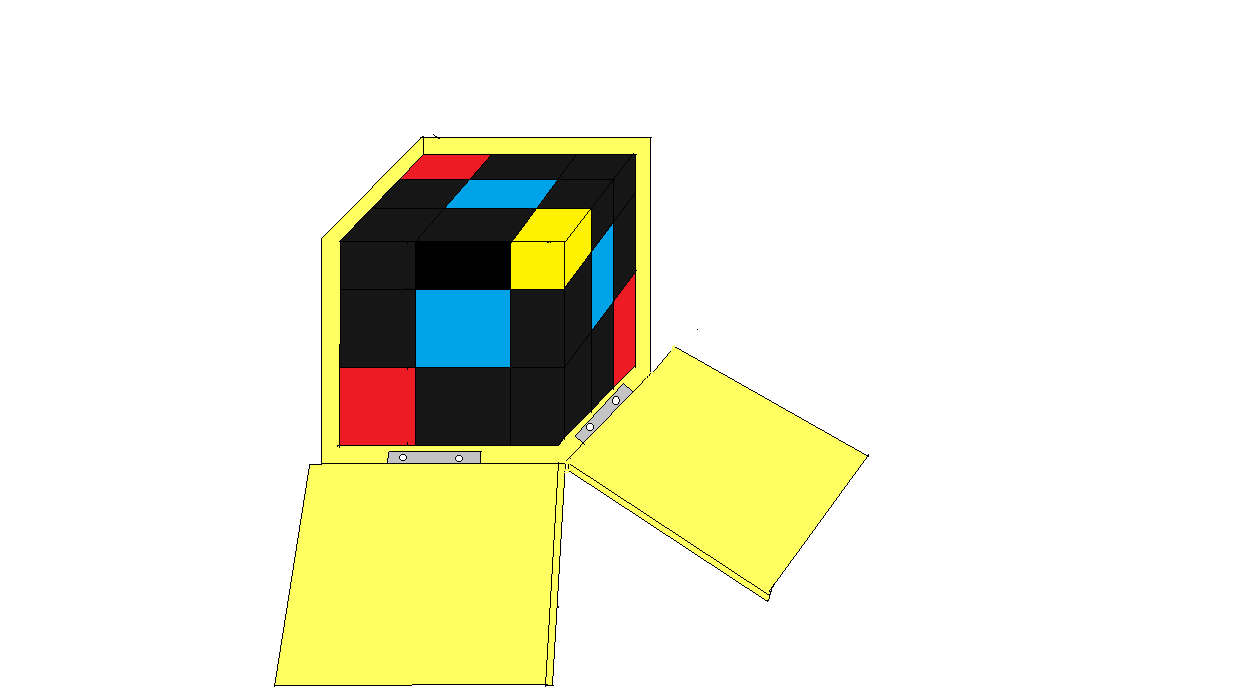
**PRESENTATION:** Lies in the material (Box acts as a guide)

**OTHER EXCERCISES:** Lies in the child’s perception

**LANGUAGE: none**

**AGE: 4 years**

**ILLUSTRATION**

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