Figure 1. Trying to arrange objects interactively in "crystal" packing can be more instructive than learning group theory formalism just through theorems and formulas.

**Keywords:** teaching group theory, web visualization,

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**The Curious Space** is an Early Childhood Science Program developed at the University of Oviedo [1]. The main objective of this project is to engage children on science discovery and to help to foster science vocations.

From a very early age, children have the basic abilities for science learning and performing. Indeed, from birth children have the propensity to observe, explore and discover the world around them. These abilities should be supported and encouraged by exploratory play and other forms of active engagement [2]. Picture books are really effective for engaging readers of all ages and building scientific inquiry [3]. In *The Curious Space* children learn science concepts by reading picture books, doing a number of experiments and interacting with scientists.

Regarding crystallography, we have published the children book’s series called “The Curious Monster”. This is a set of three picture books that bring *crystallography closer to the youngest readers*. Each book of the series addresses different aspects and concepts of crystallography and scientific communication and pretends to give an in-depth coverage of them. In *The Curious Monster and the Carbon Stars*, concepts such as particles, crystal, polymorph and structure are introduced. In the second book of the series, *The Curious Monster and the Ring of Light*, synchrotron radiation and its applications on crystallography are introduced. The last volume of the series, *The Curious Monster and the Mysterious Stone*, is an introduction to science communication and conferences. It also introduces and reinforces valuable crystallography concepts such as rock, mineral and crystal.

*The Curious Space* activities about crystallography are designed for working with children ages 4-9. The workshops start by reading aloud one of the Curious Monster book. This stimulate children on both the emotional and intellectual levels. Children easily connect with the personality and adventures of the characters, and feel fascinated by the science that supports the stories. The reading experience is paired with a practical experience, in which the students actually touch and make science.

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**Keywords:** Teaching crystallography, science vocations, children's literature