

Ideas and illustrations

- for individual construction





Ideas and illustrations - for individual construction

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Content Explanation and Purpose

This catalogue covers the following:

- Illustrations and explanations of the basic elements of the PlentyPlay® construction system.
- An introduction to how teachers and pupils can collectively discuss the constructions made by the pupils.
- A wide range of constructions divided into three levels of difficulty with level 3 being the most difficult. The constructions, which are further split into different categories, are intended to be replicated by the pupils and to provide inspiration.
- Inspirational illustrations of constructed Arabic numerals as well as letters representing the full English alphabet. Constructing numbers and letters helps the pupil learn and remember these numbers and letters better. When constructed, the numbers and letters can be put together to form sums and words.

The purpose of the catalogue is to provide teachers of pupils aged 4 and up with material which can be used to inspire and involve the pupils in learning with PlentyPlay®.



PlentyPlay® and Meaningful Play

The foundation of PlentyPlay® is a high quality construction system sustaining educational values based on the notion of “Meaningful Play”, which comprises:

- Unlimited possibilities for playing
- Strengthening of the child’s mental and motor functional development
- Possibilities for creation and realisation

Everything developed under PlentyPlay® fulfils these three criteria.

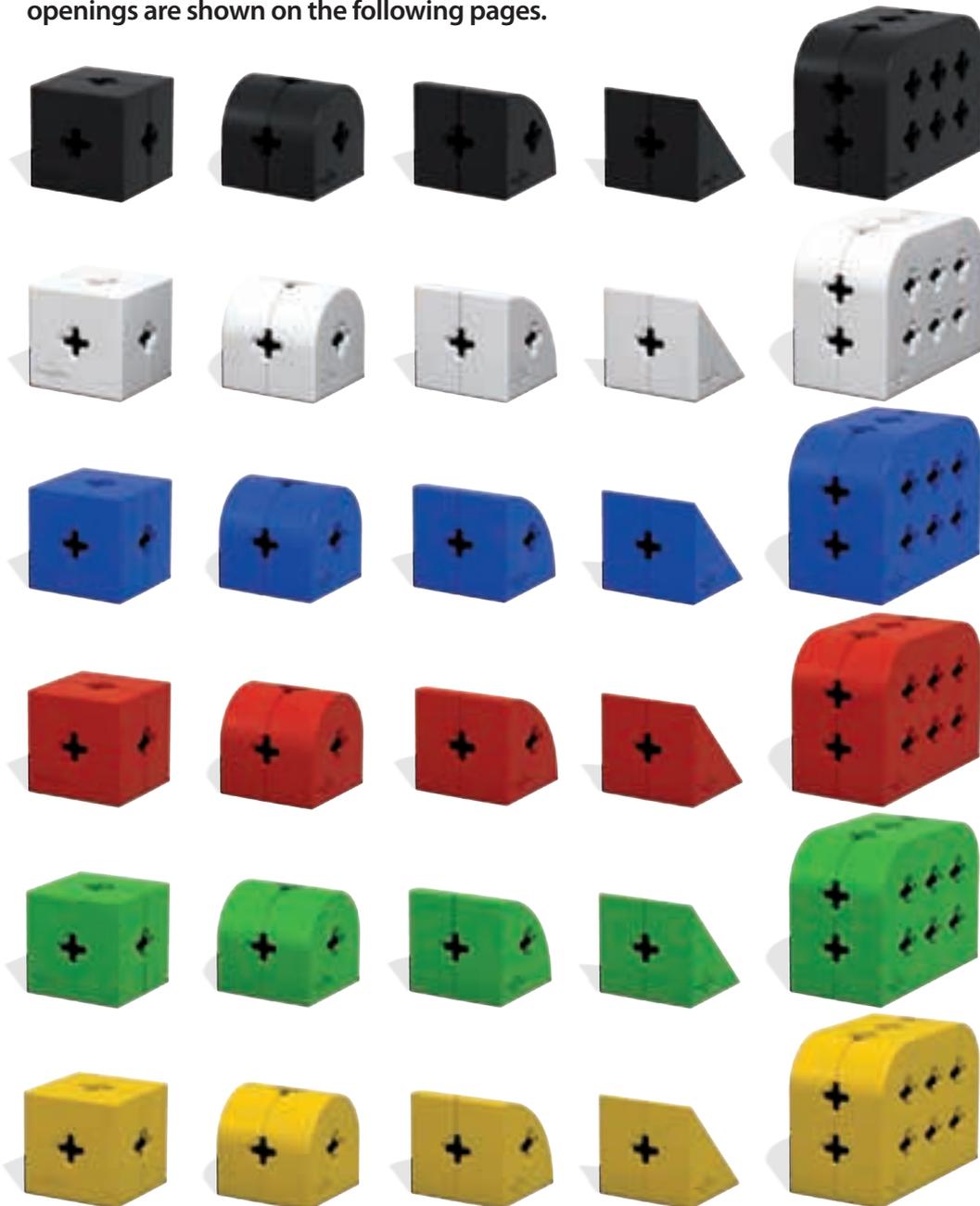


NB!

The building blocks have the same cross-shaped opening on all of their sides/surfaces, which allows building in real 3D and makes it possible to freely build and re-build constructions.

Construction Elements - Building Blocks

All the constructions illustrated throughout this catalogue are built using the unique construction system by PlentyPlay®. Currently the blocks in the construction system come in five different shapes and six different colours. The pieces used to connect the blocks via the blocks' cross-shaped openings are shown on the following pages.



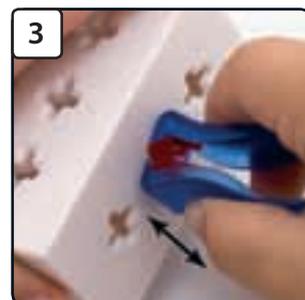
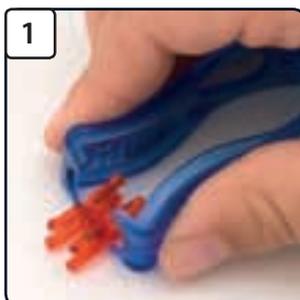
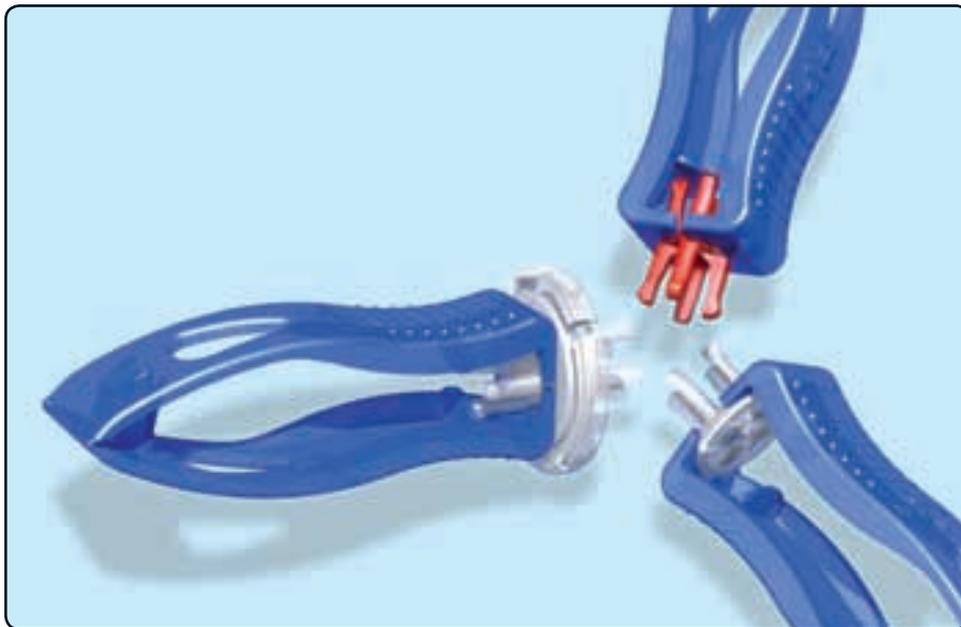
Construction Elements - Pieces and Tools

The following pieces and tools are used to connect, disconnect and decorate the building blocks.

Tongs



Buttons





Building with the pieces and using the tongs challenges and enhances the pupils' fine motor skills.

"The curved shapes of the blocks, along with the connectors and the accompanying tongs, provide the children with new educational challenges."

Lotte Jensen, pre-school class teacher

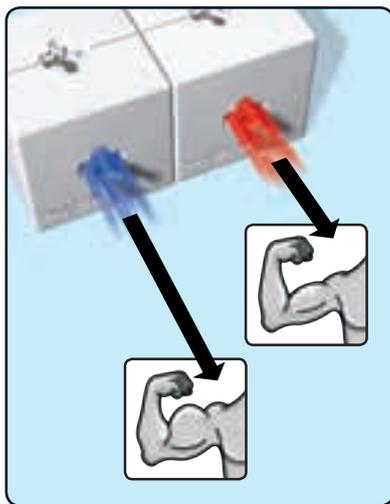
Strong connector



Medium connector



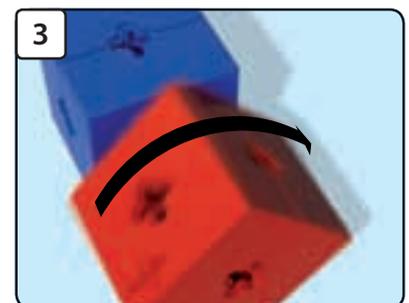
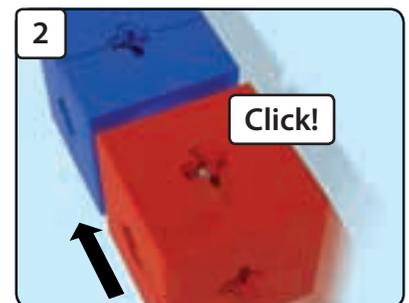
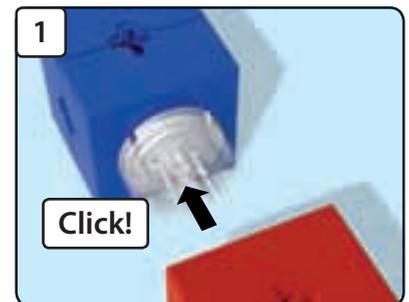
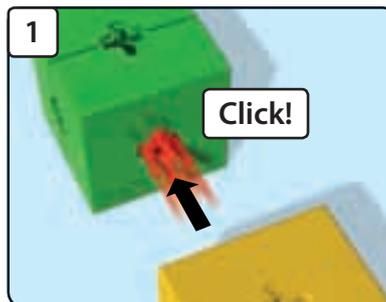
Rotation connector



Because of its ability to hold the blocks together more securely, the **blue connector** is especially suitable for the building of larger constructions.

The **red connector**, on the other hand, is more suitable when building and re-building smaller constructions as it is easier to connect and disconnect.

It should, however, be up to the individual pupil to choose whether to use the blue or red connector (or a mixture of the two) according to his or her ability and preferences.



Build → Show → Tell

The act of building with the construction system by PlentyPlay® has significant educational value in itself.

Based on the concept of Meaningful Play, PlentyPlay® gives pupils/children unlimited possibilities for playing; strengthens their mental and motor functional development; and offers the possibility for creation and realisation. However, in order to add to this educational value, we encourage the interpretation and discussion of the

constructions made by the children.

This could be done during a "Show and Tell" session, when the pupil is asked to reflect on different questions posed by the teacher or fellow pupils about the construction he or she has made (either through own imagination or by copying).

Examples of questions could be:

- If you had to explain what the construction looks like to a friend who can't see it, what would you tell your friend?
- Is there a story behind the construction?
- What does the construction symbolise/mean to you?
- What can the construction do?
- What are the main strengths or weaknesses of the construction?
- What is interesting about the construction?
- What do you like best about the construction?
- Is the construction beneficial to humans?
- Would you like to change anything on the construction, and if so, why?
- If you were to build another construction that would somehow fit with the first construction what would you build and why? (e.g. car/trailer, dog/owner, house/tree, girl/boy etc.)
- ...

Certainly, not all of the questions above are equally relevant for all constructions but can serve as inspiration for the teacher to use in discussions with the pupils.

It should be noted that the figures shown in the catalogue can be useful both for direct replication as well as for inspiration.

Indeed it can be very exciting and beneficial for the pupil to build things from his/her own imagination. In this situation, reflecting on the

construction is also very relevant and interesting - sometimes even more so than when the construction is based on a pre-made illustration.

Questions that might trigger the pupils' imagination could be:

- If you had to build something fast/scary/dangerous/strong/practical, etc., what would your construction look like?
- What would your own favourite construction look like?
- Pick 10 random blocks. What can you build just using them?
- Can you build your family/house/car/pet/street/friend, etc.?
- ...

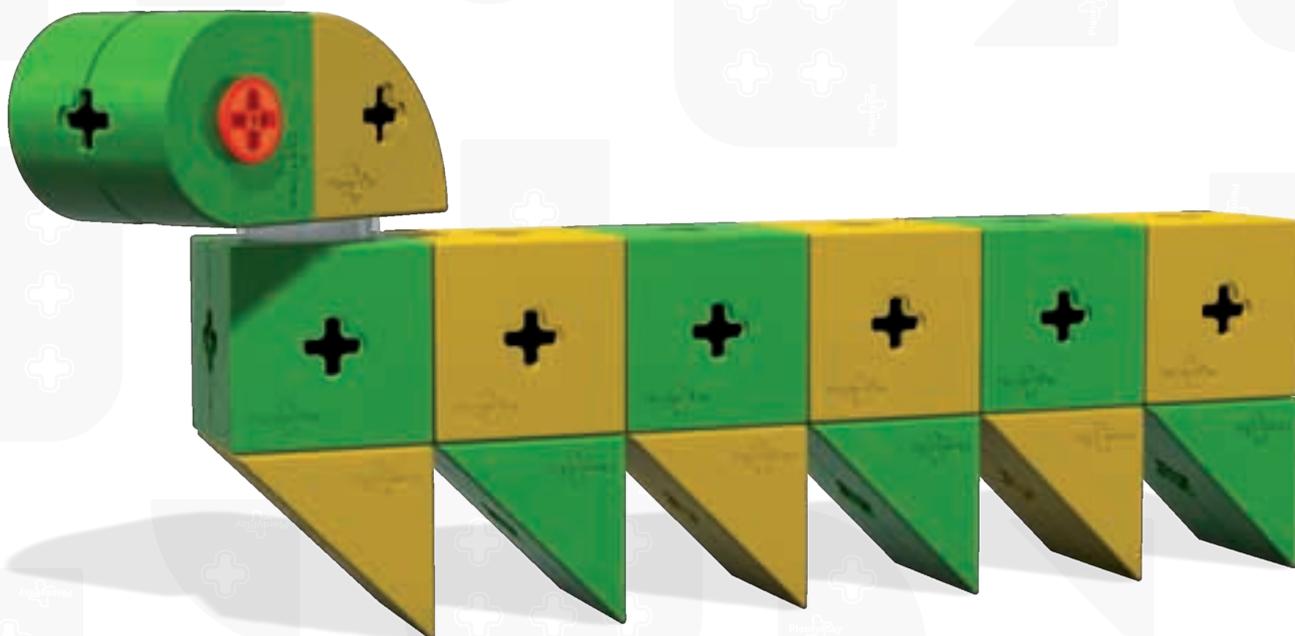
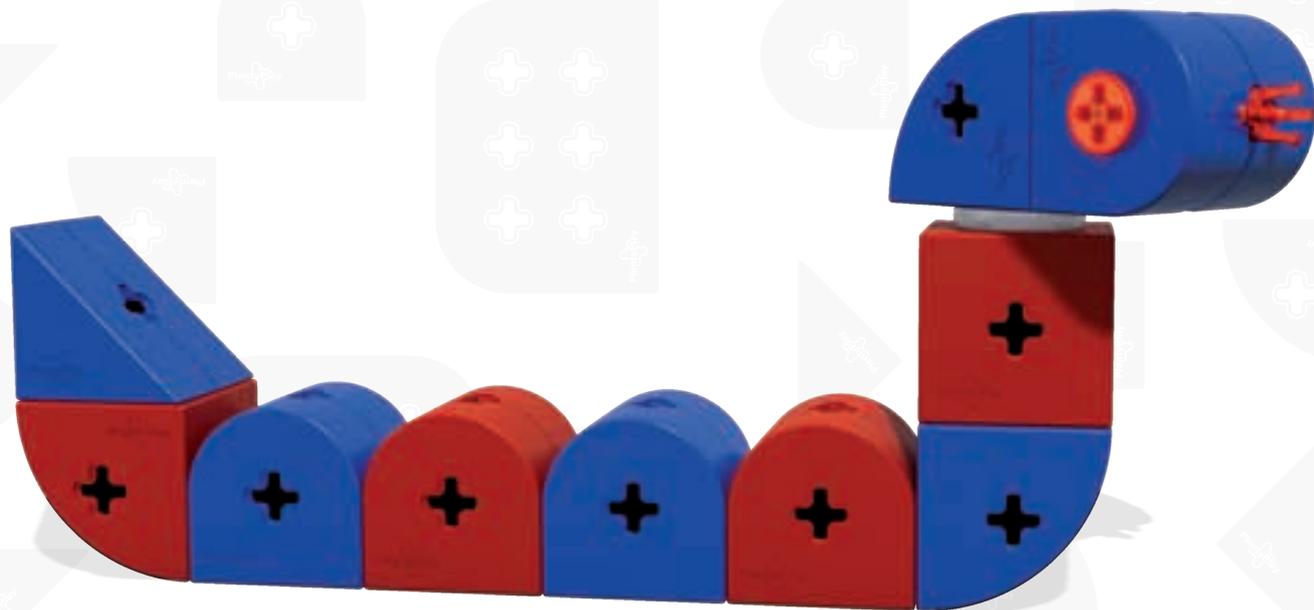


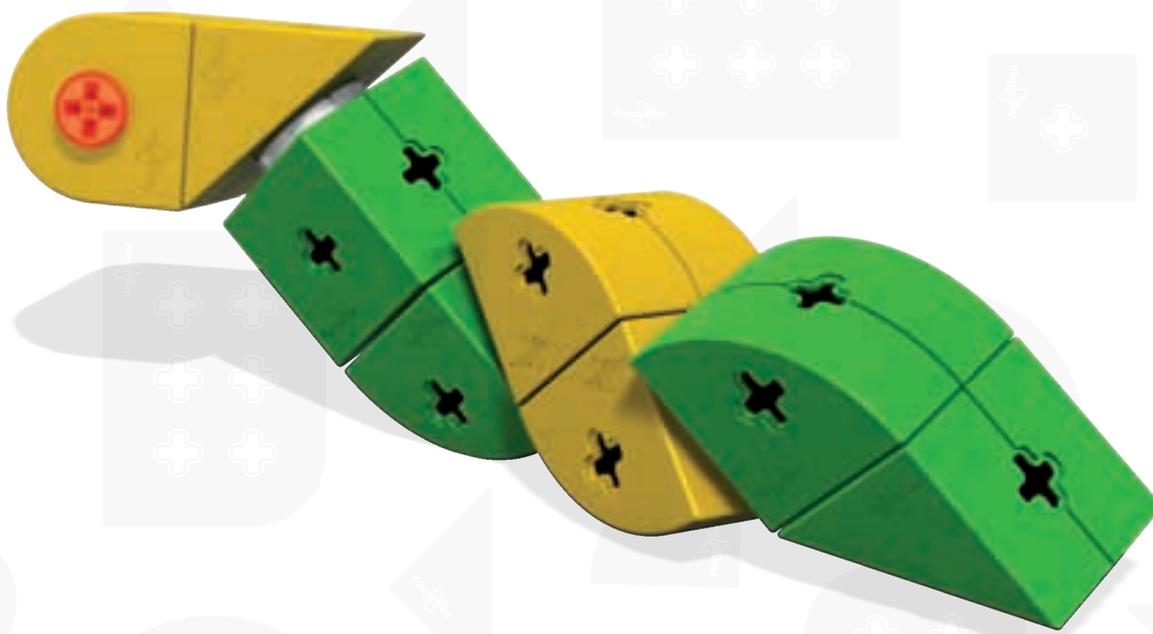
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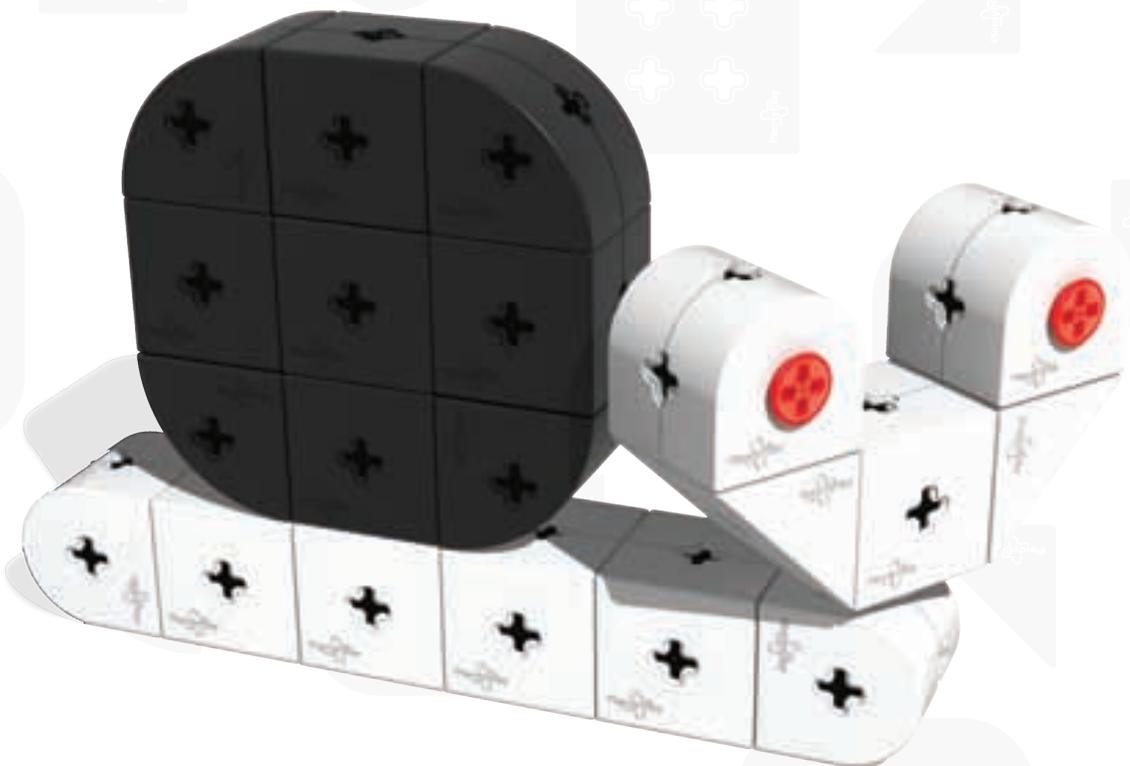
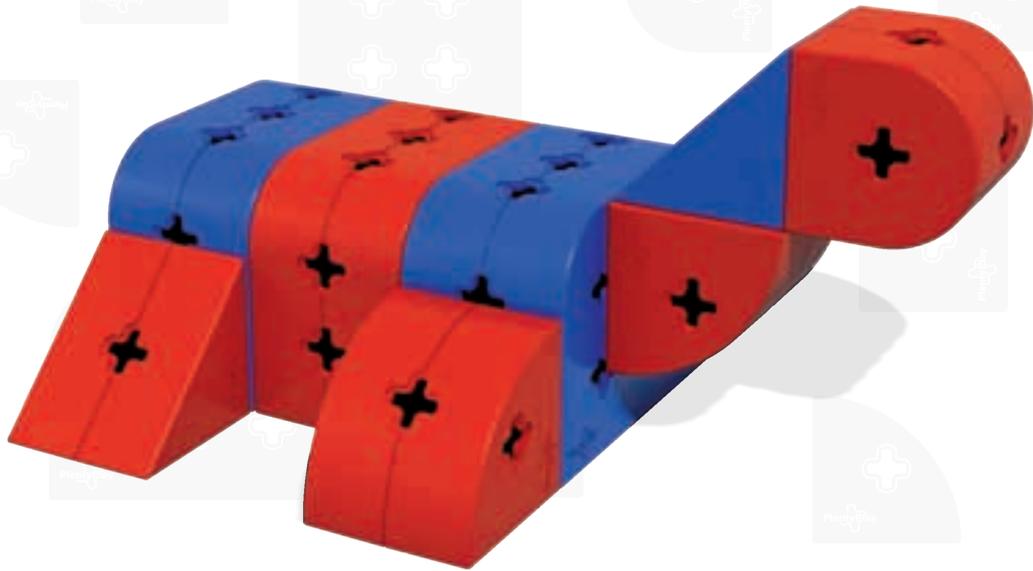
Constructions for beginners

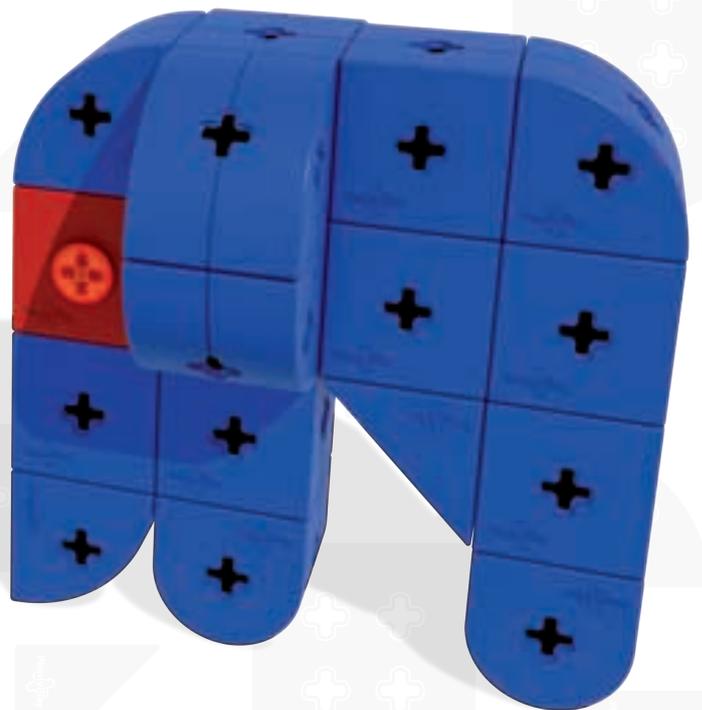
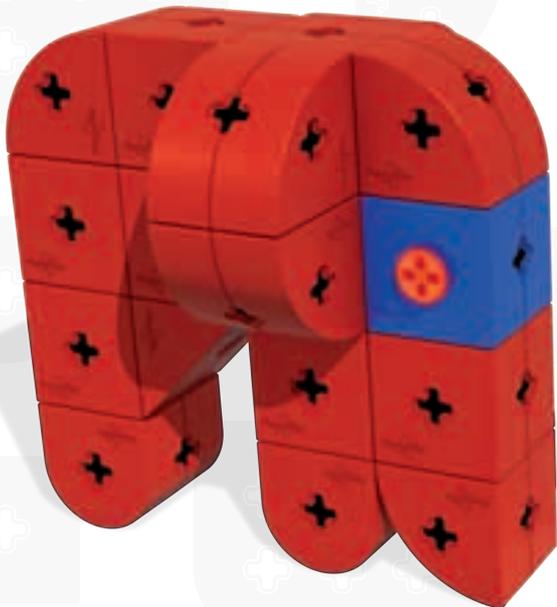
Constructions at this level introduce the pupil to the construction system and offer initial building challenges.

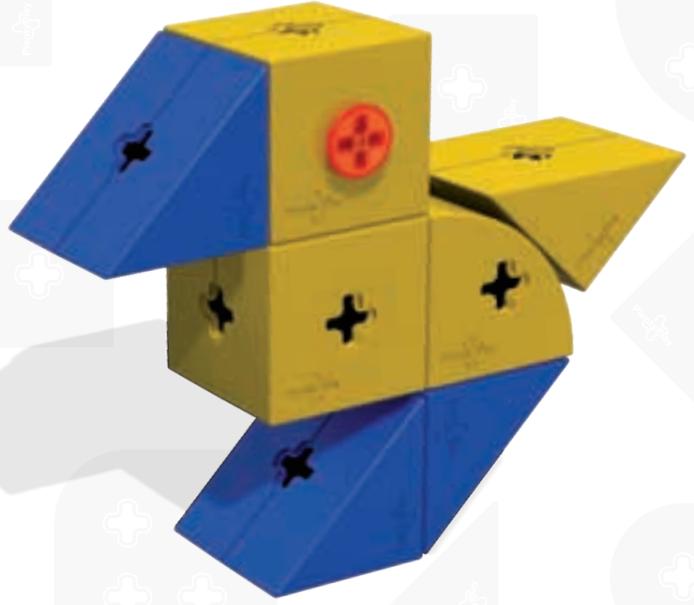
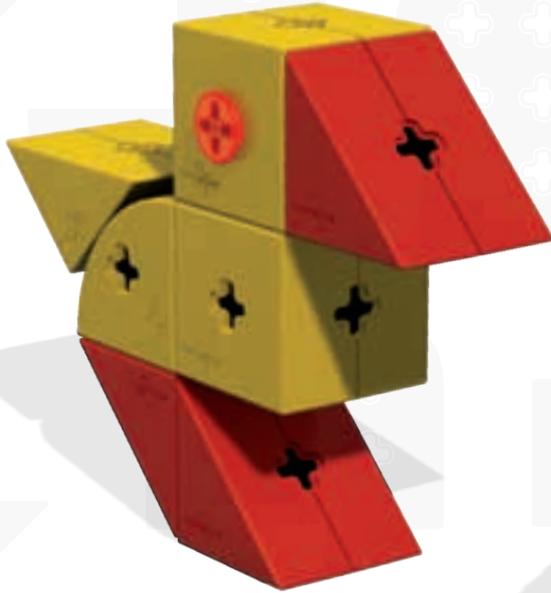


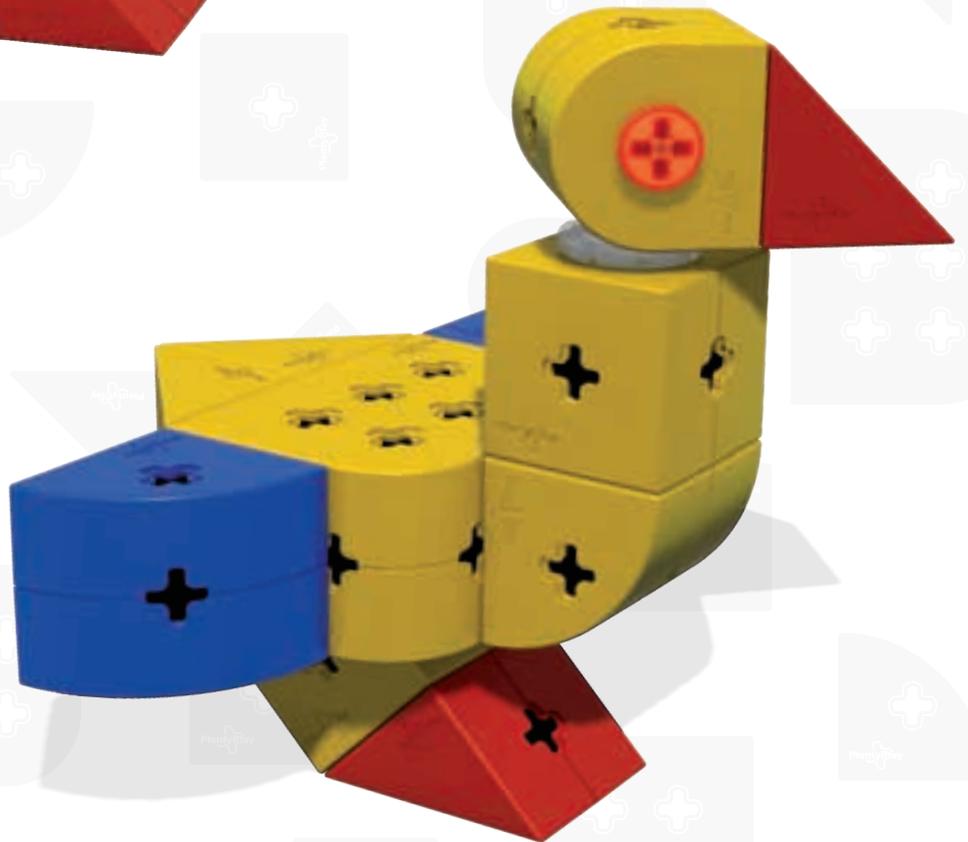
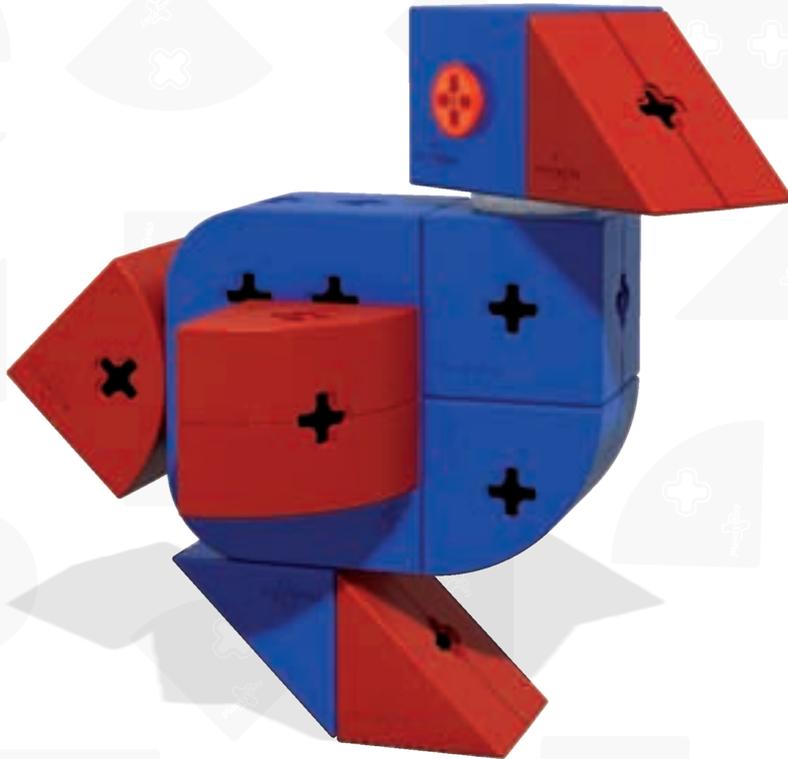


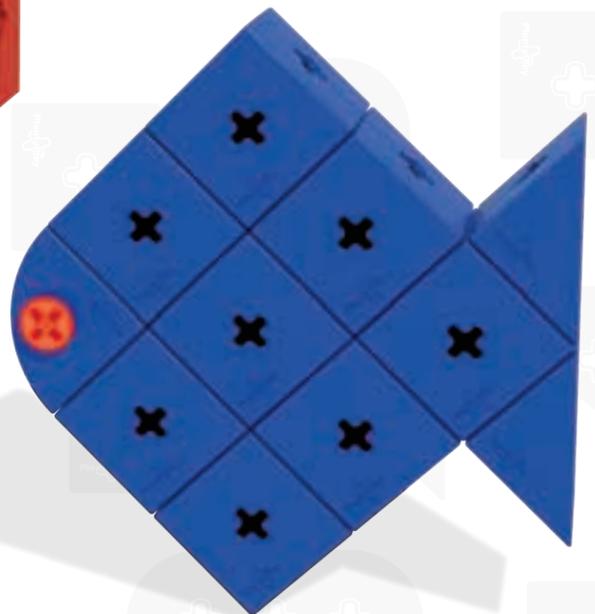
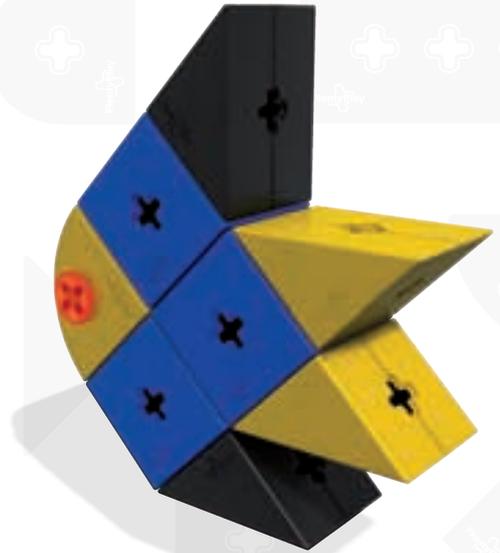
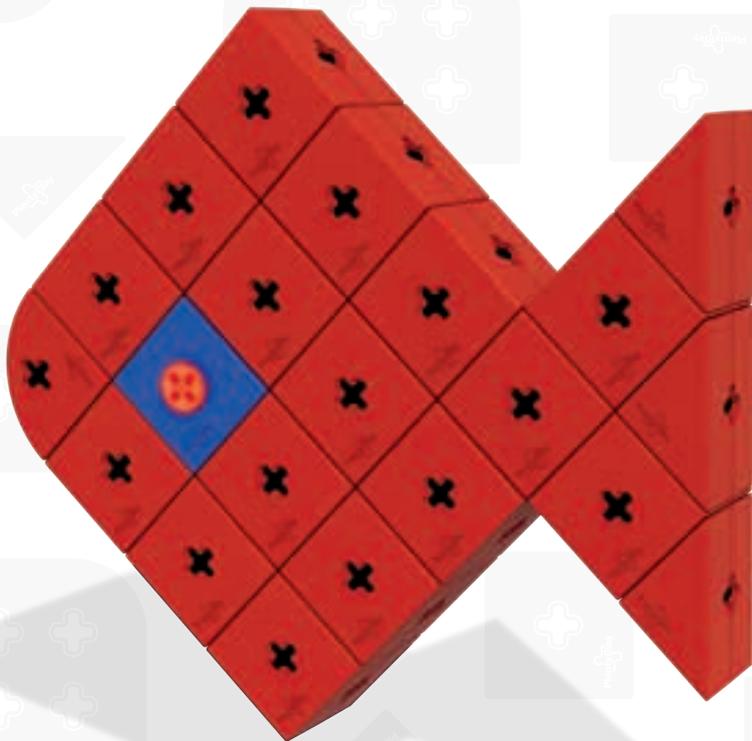


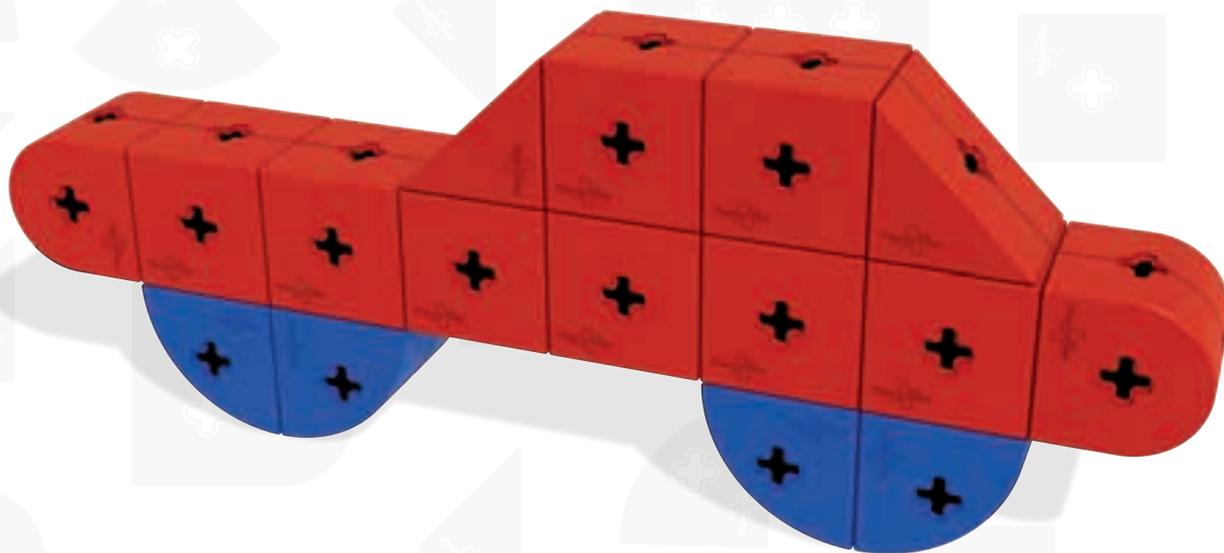


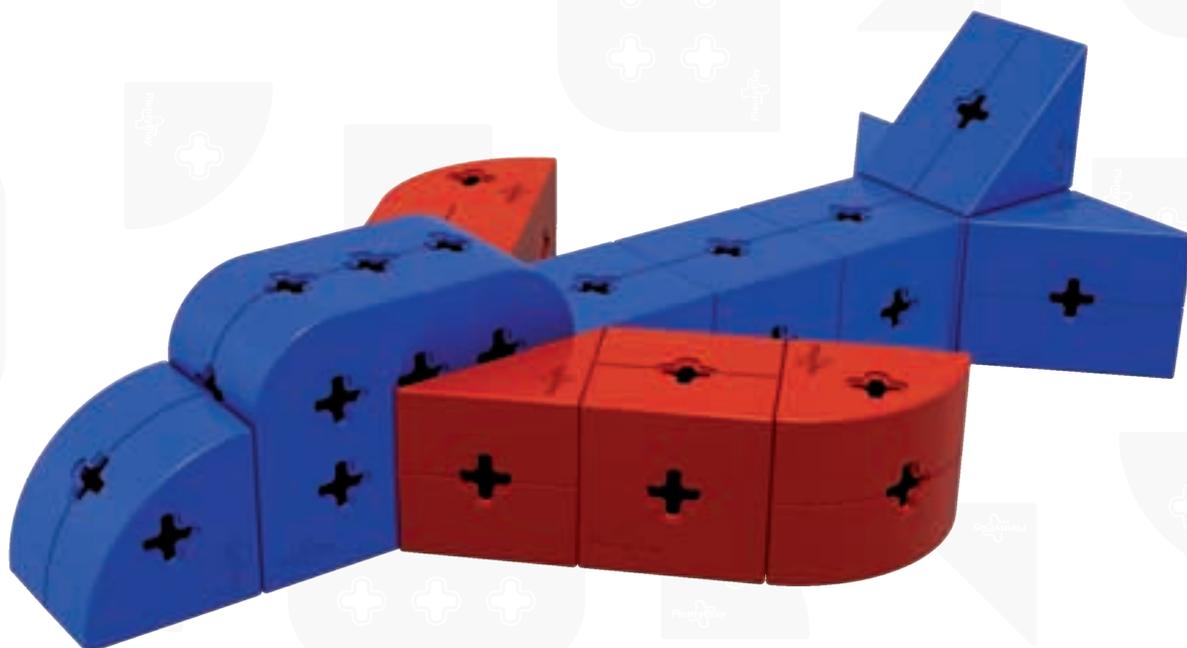
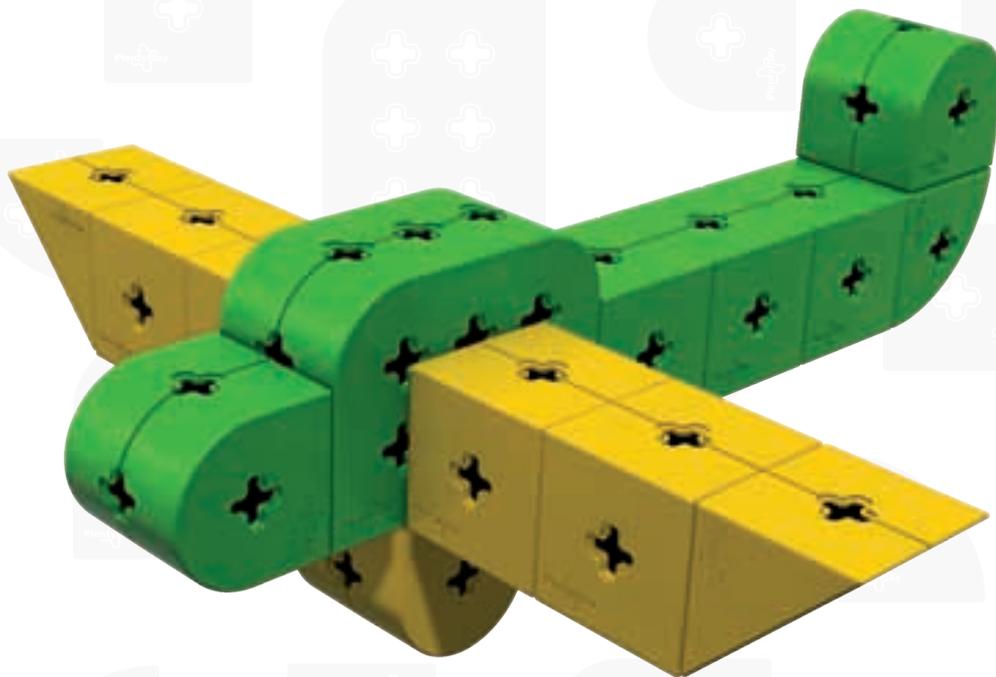






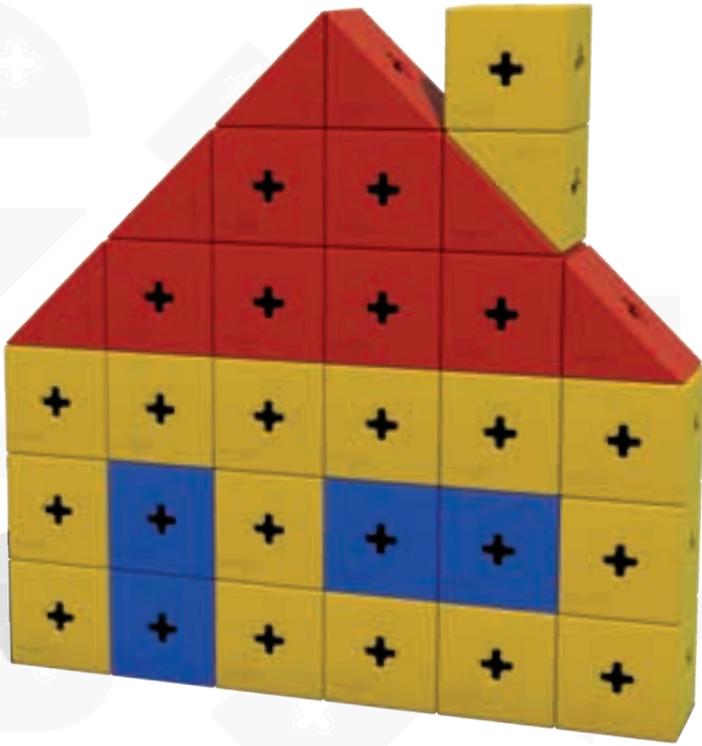


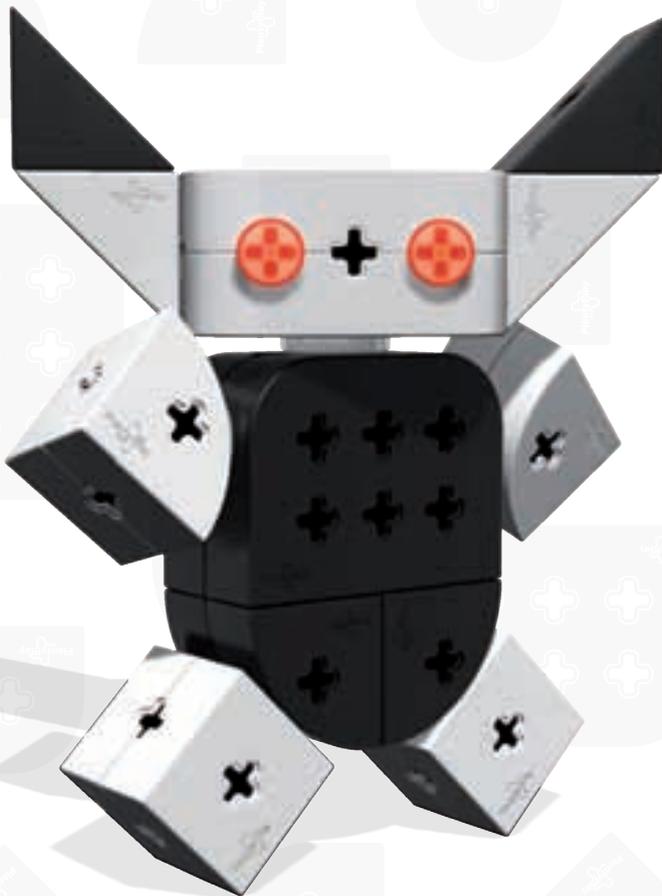
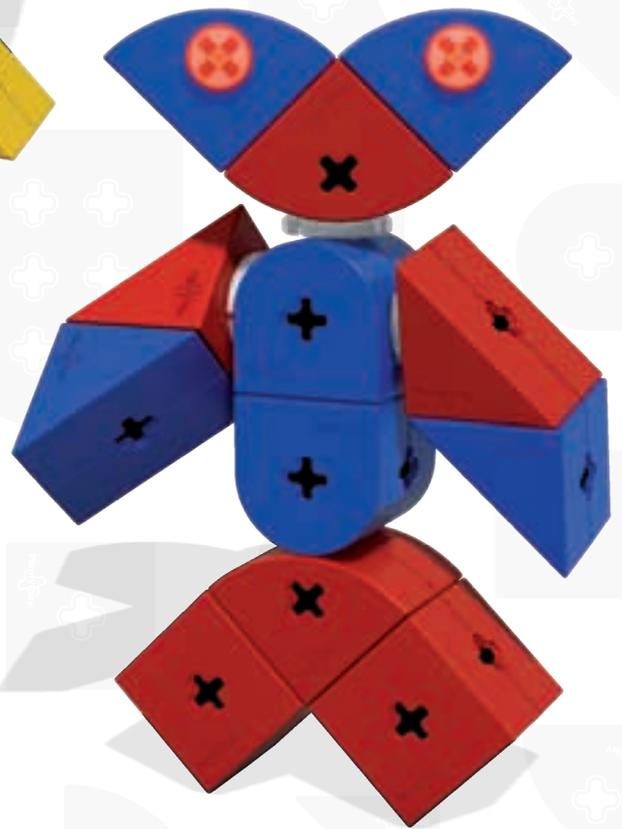


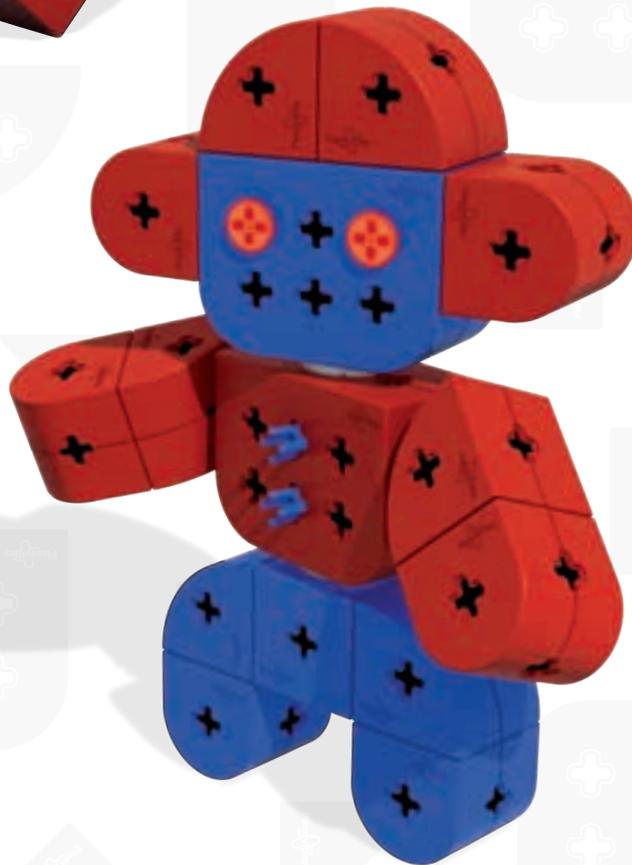
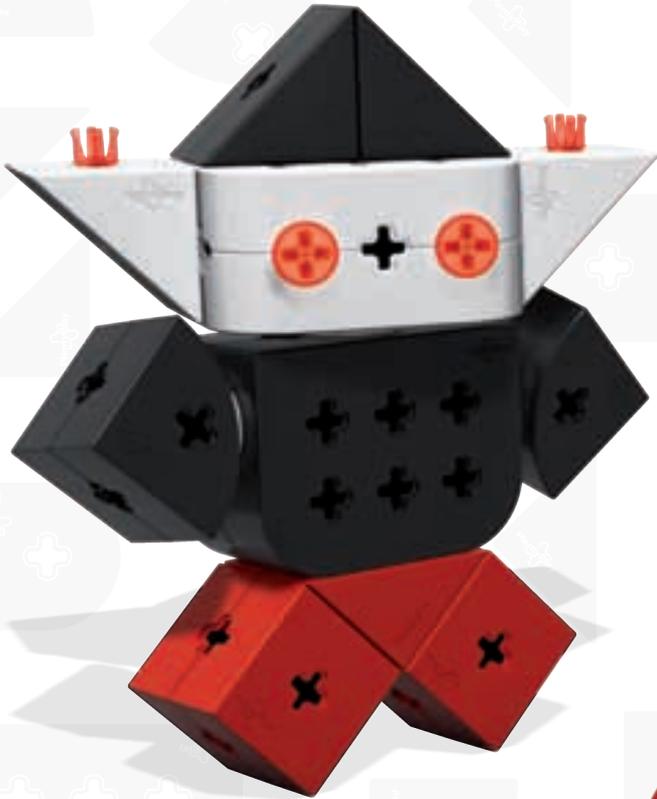


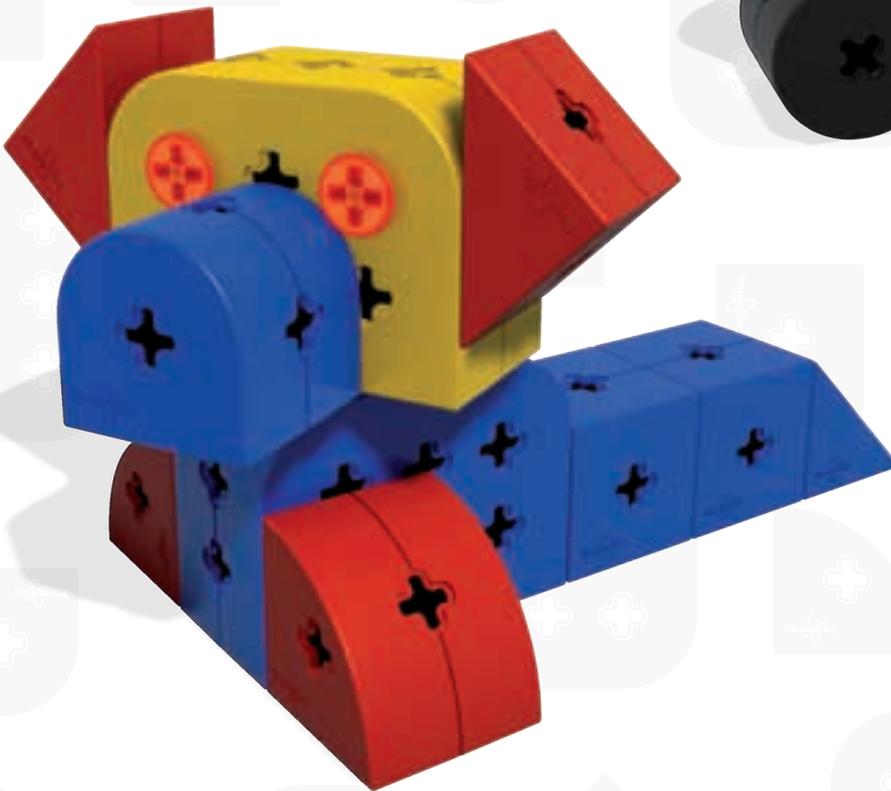
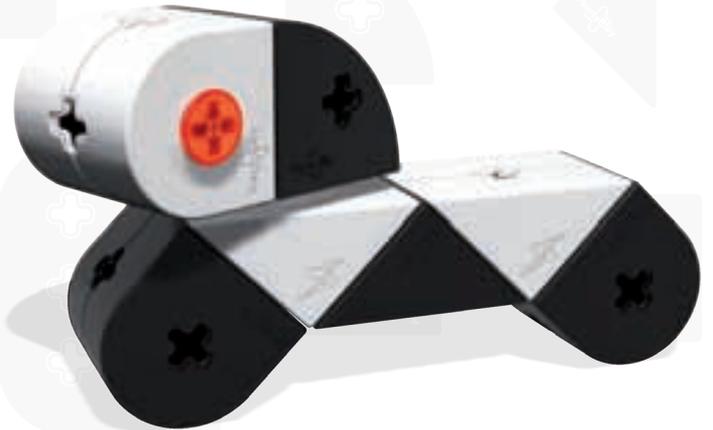
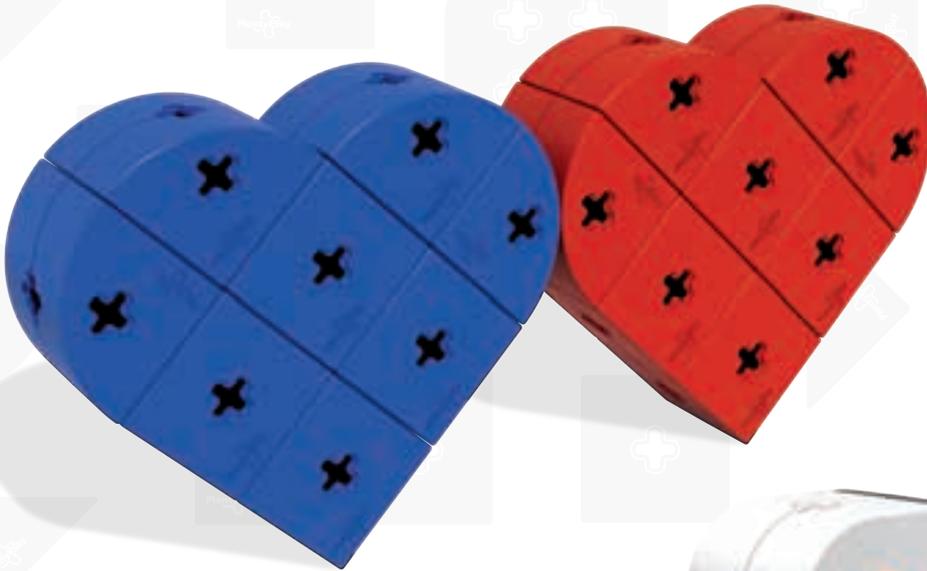


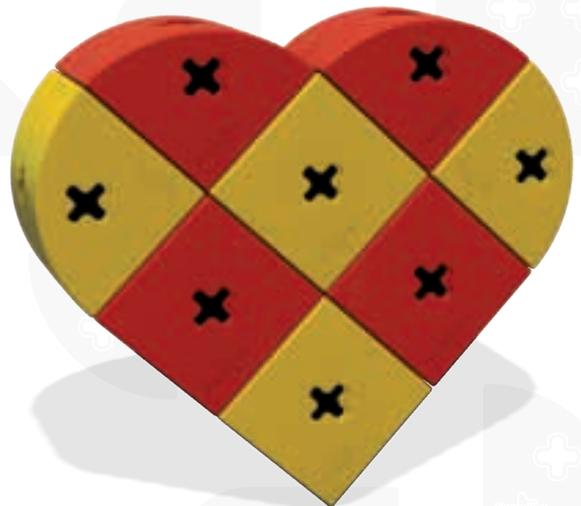
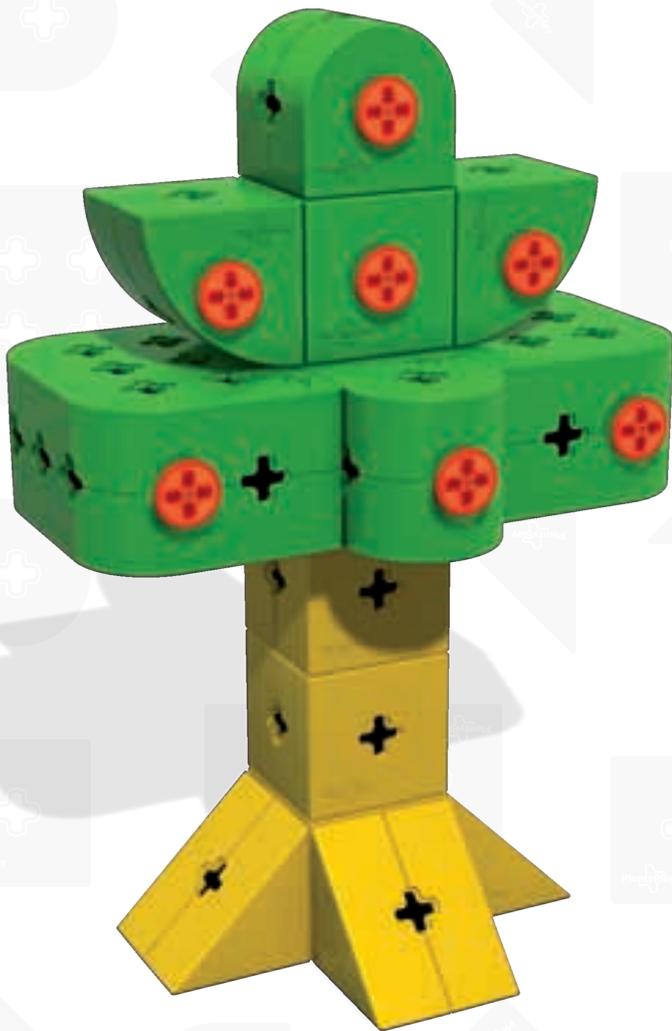












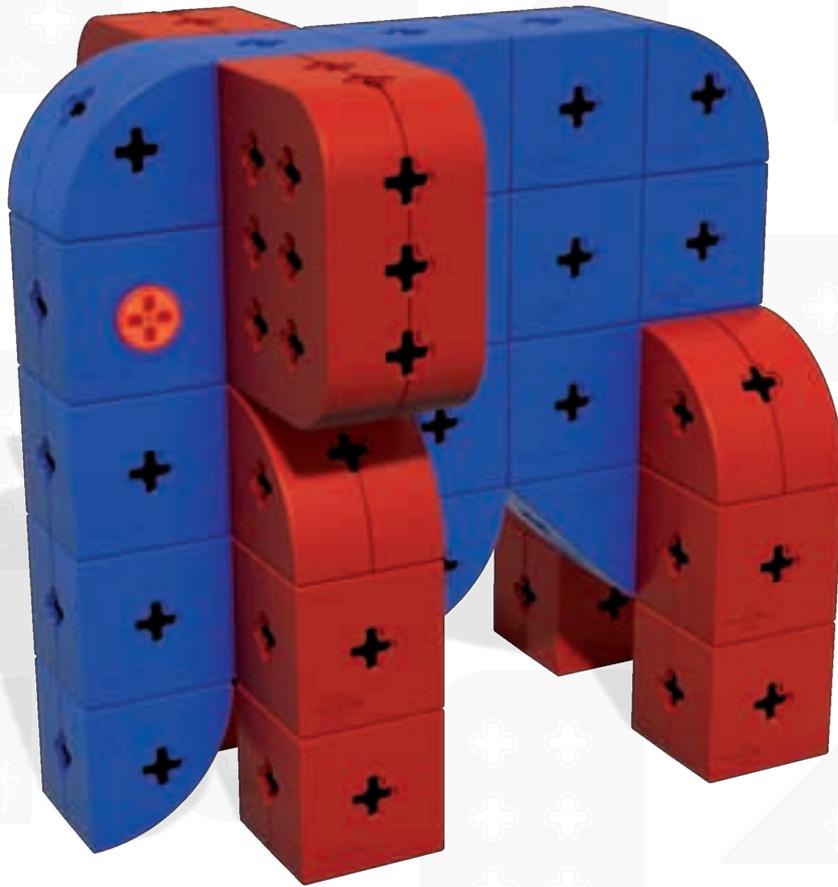
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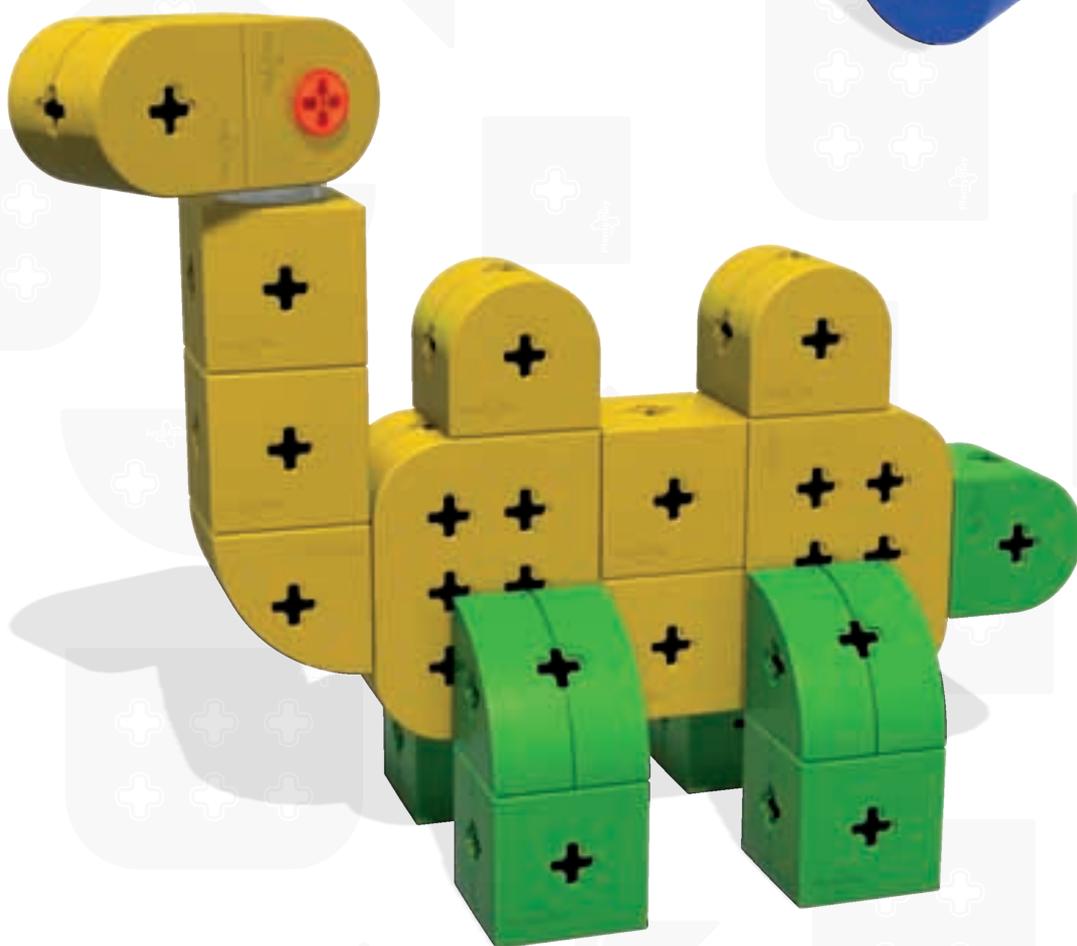
Moderately difficult constructions

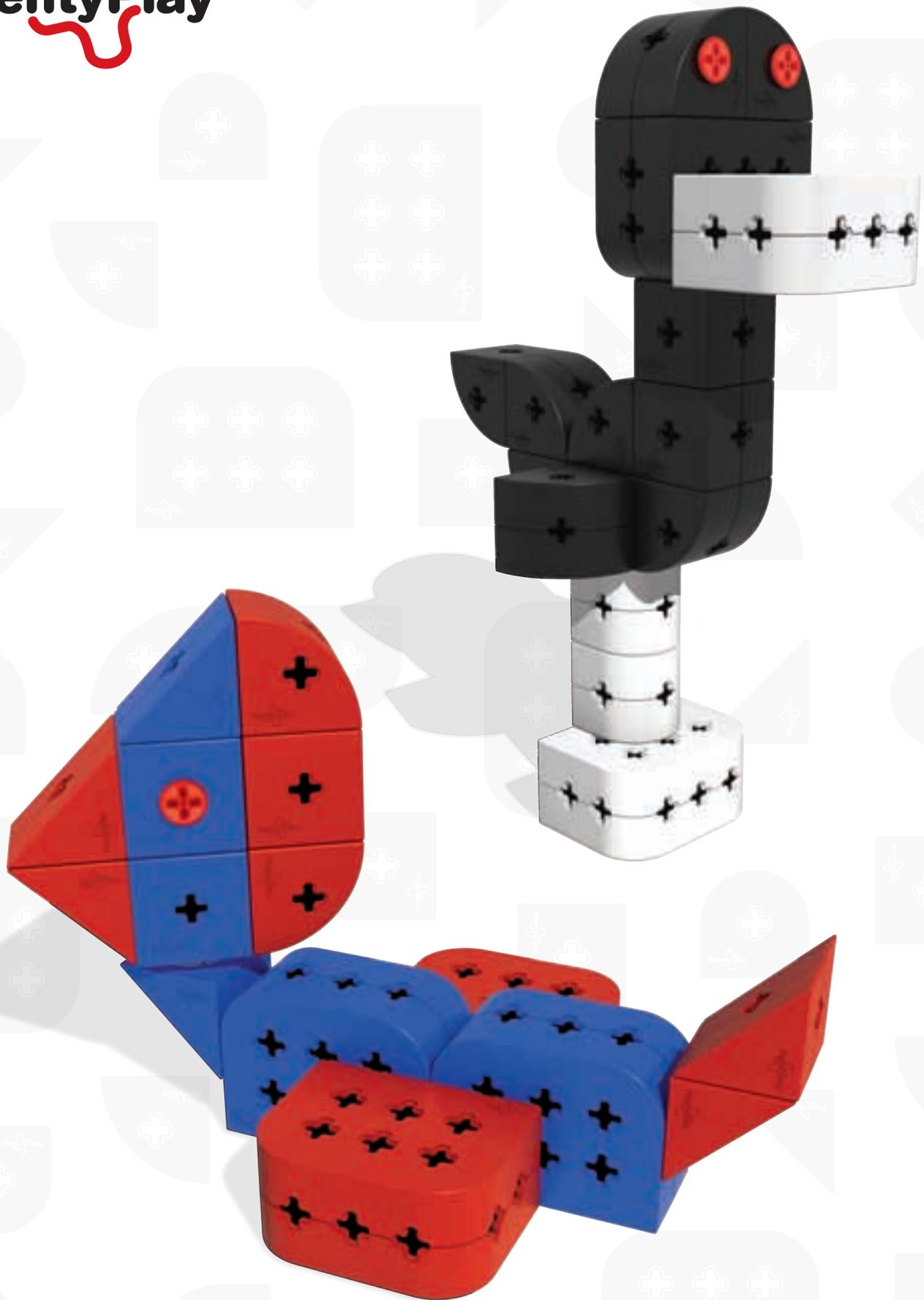
Constructions at this level require concentration as well as a well-developed ability to think and build in 3D.

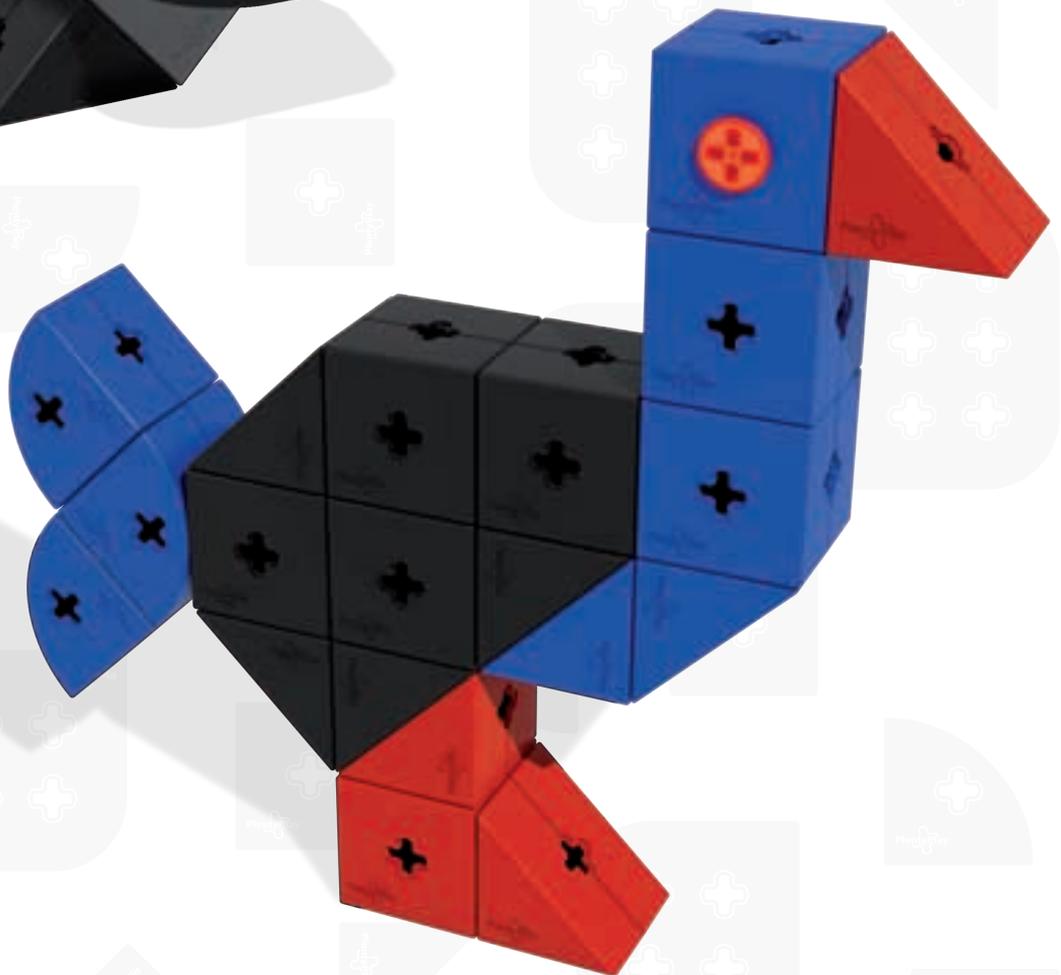


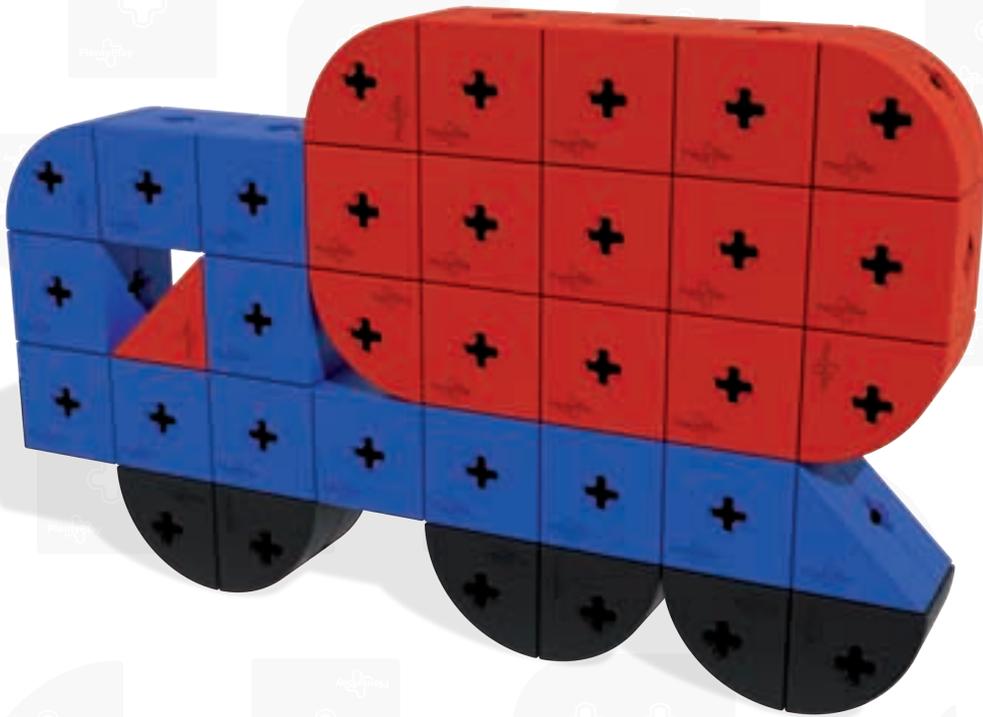


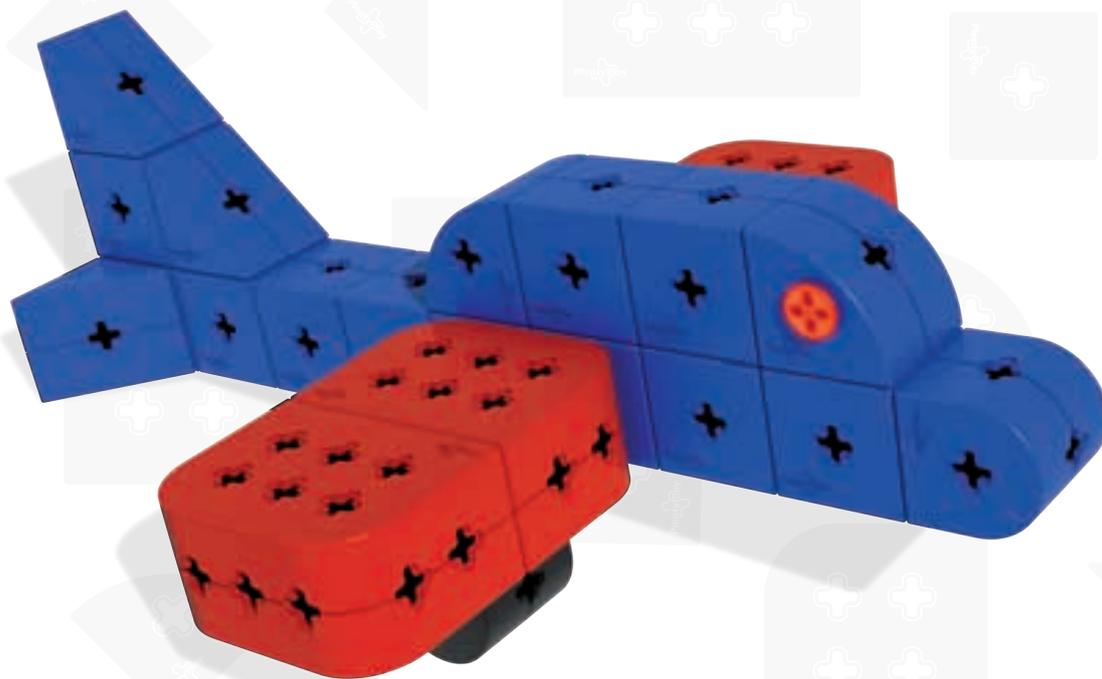




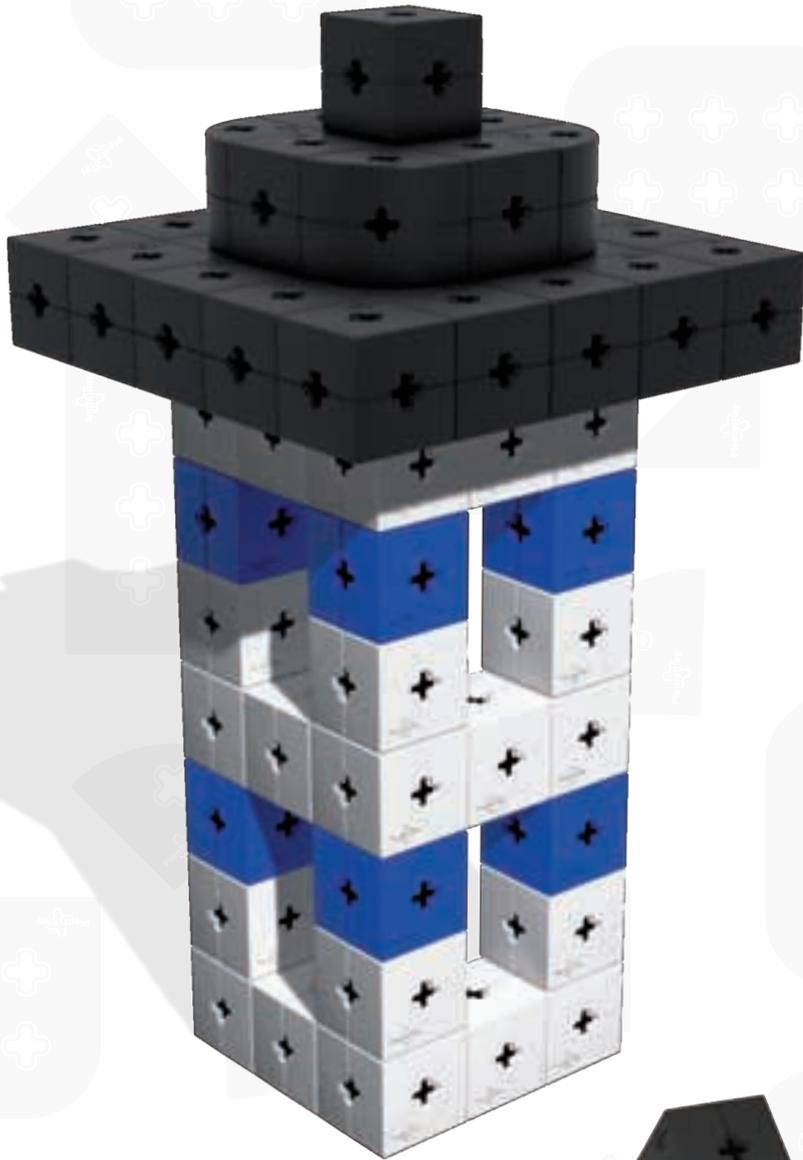


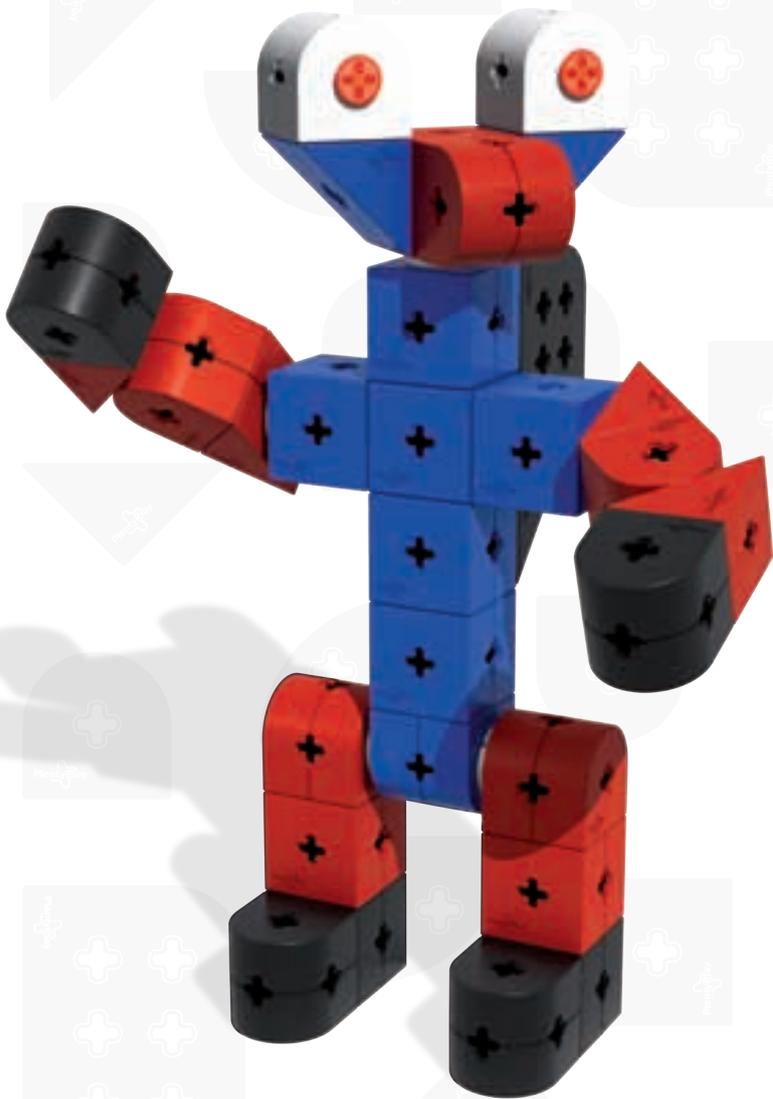


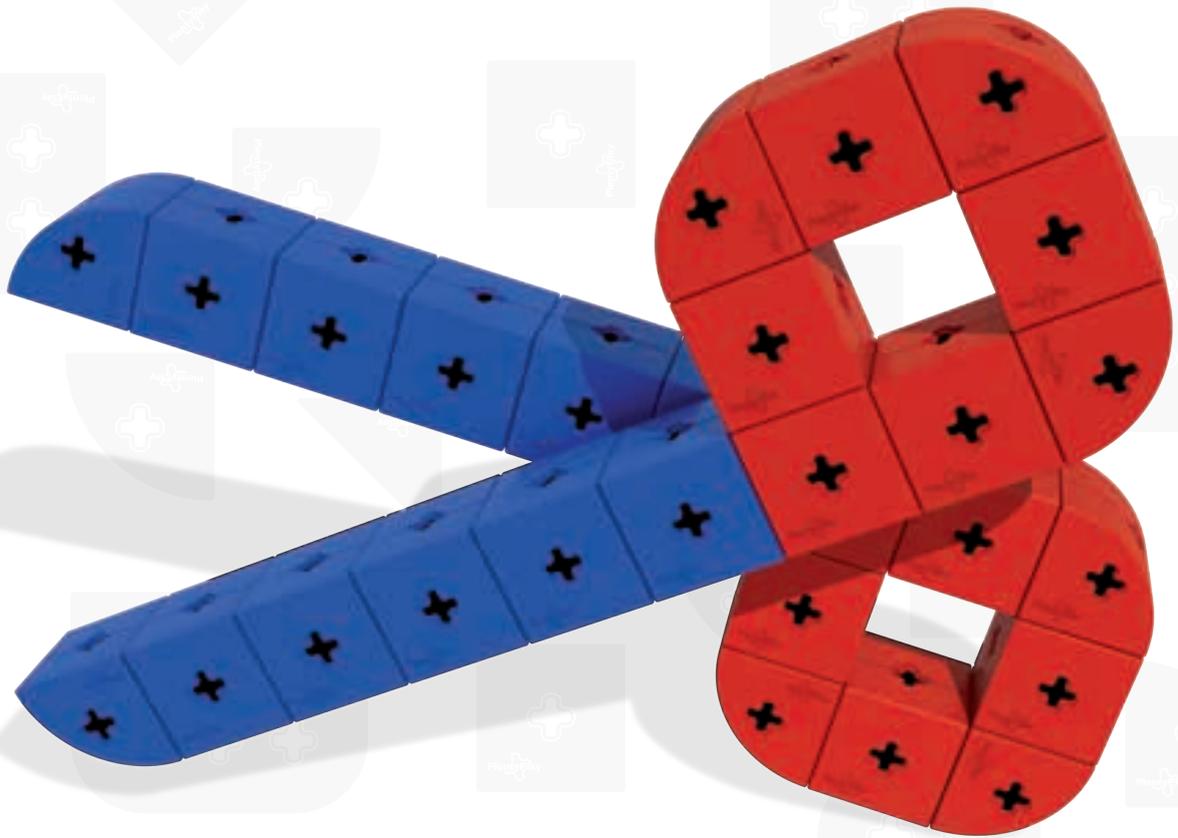
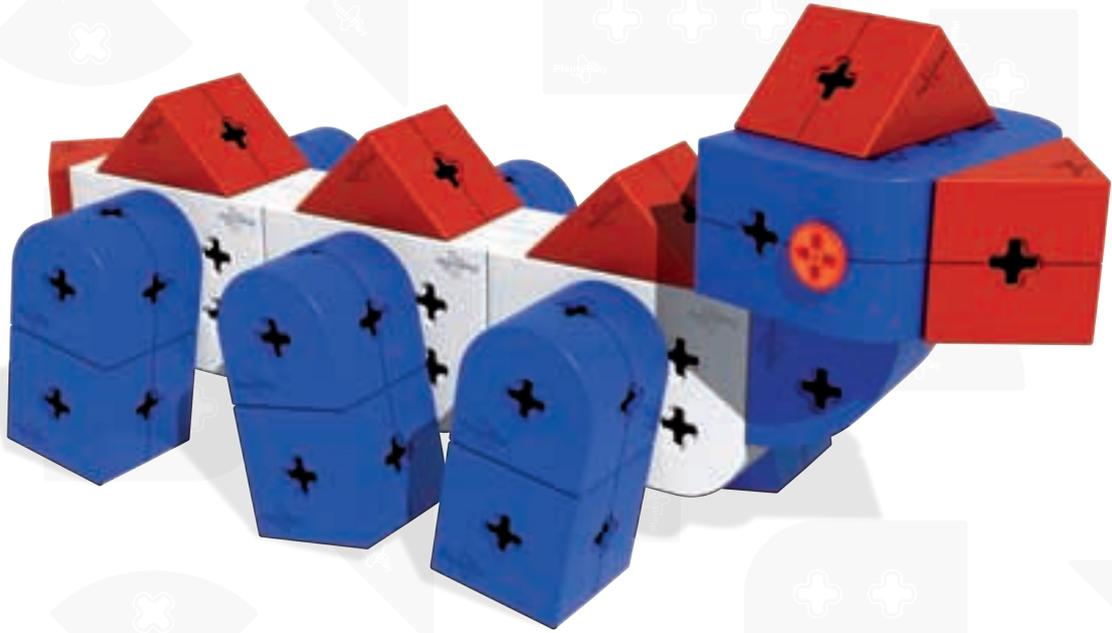






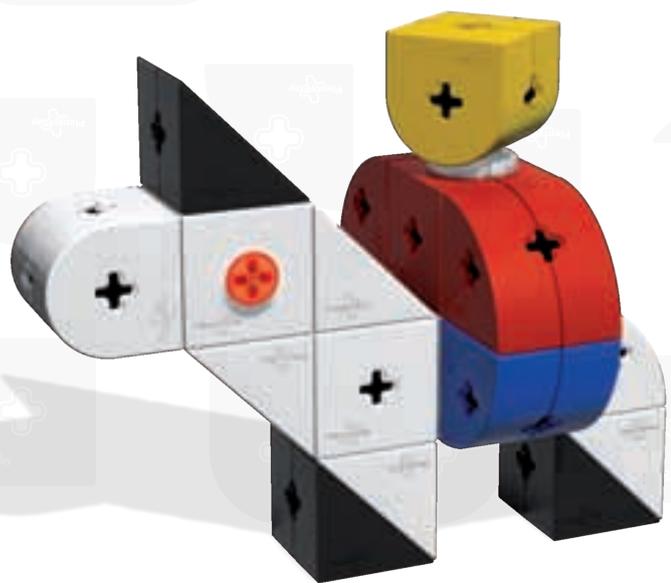








Creatures and other constructions

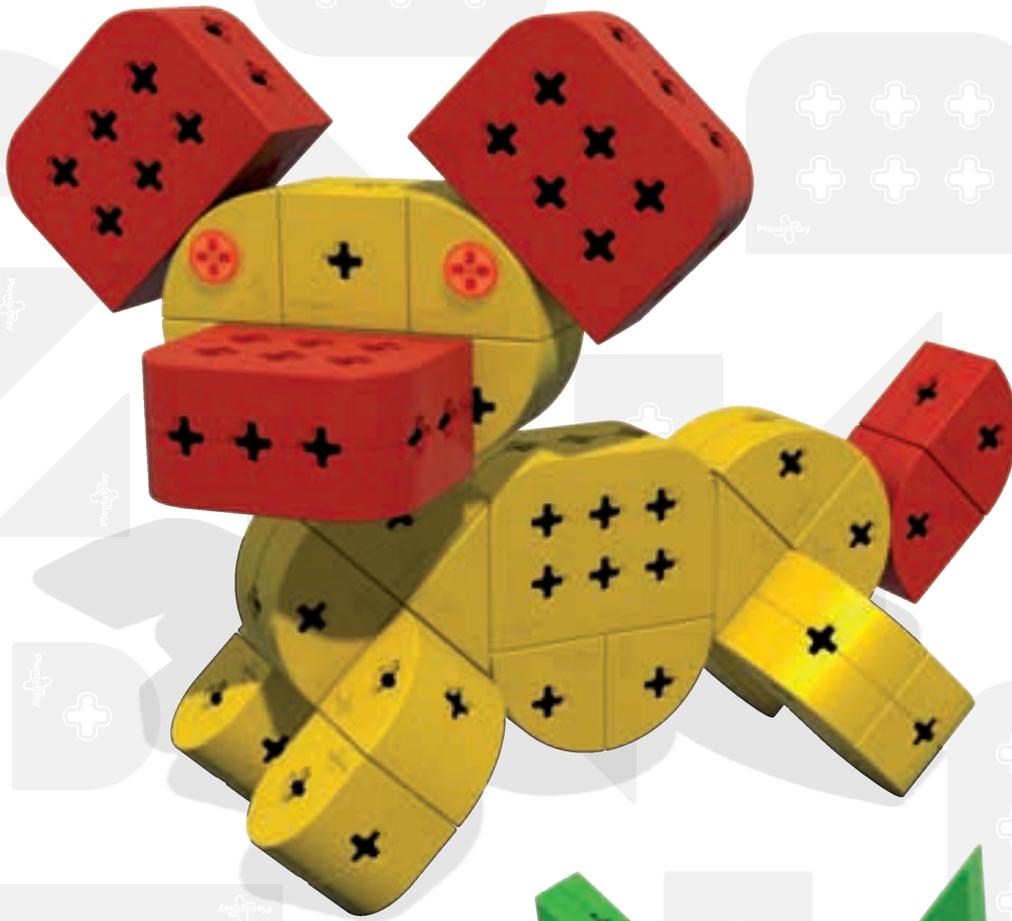


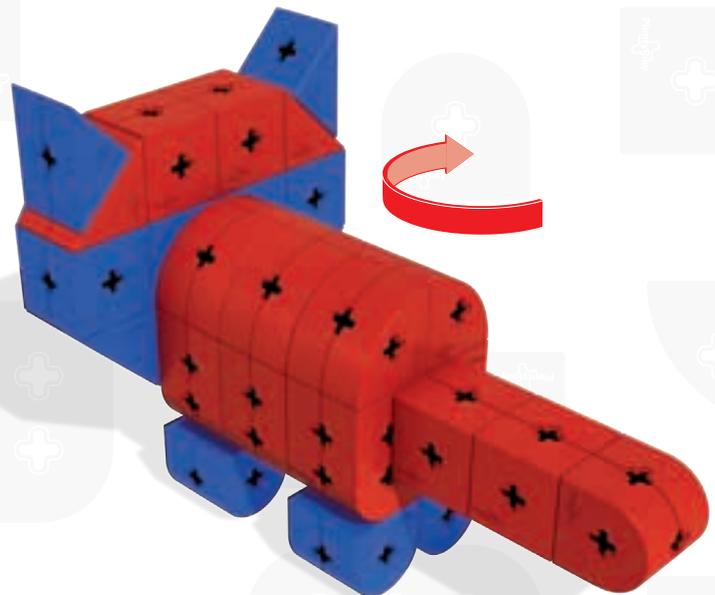
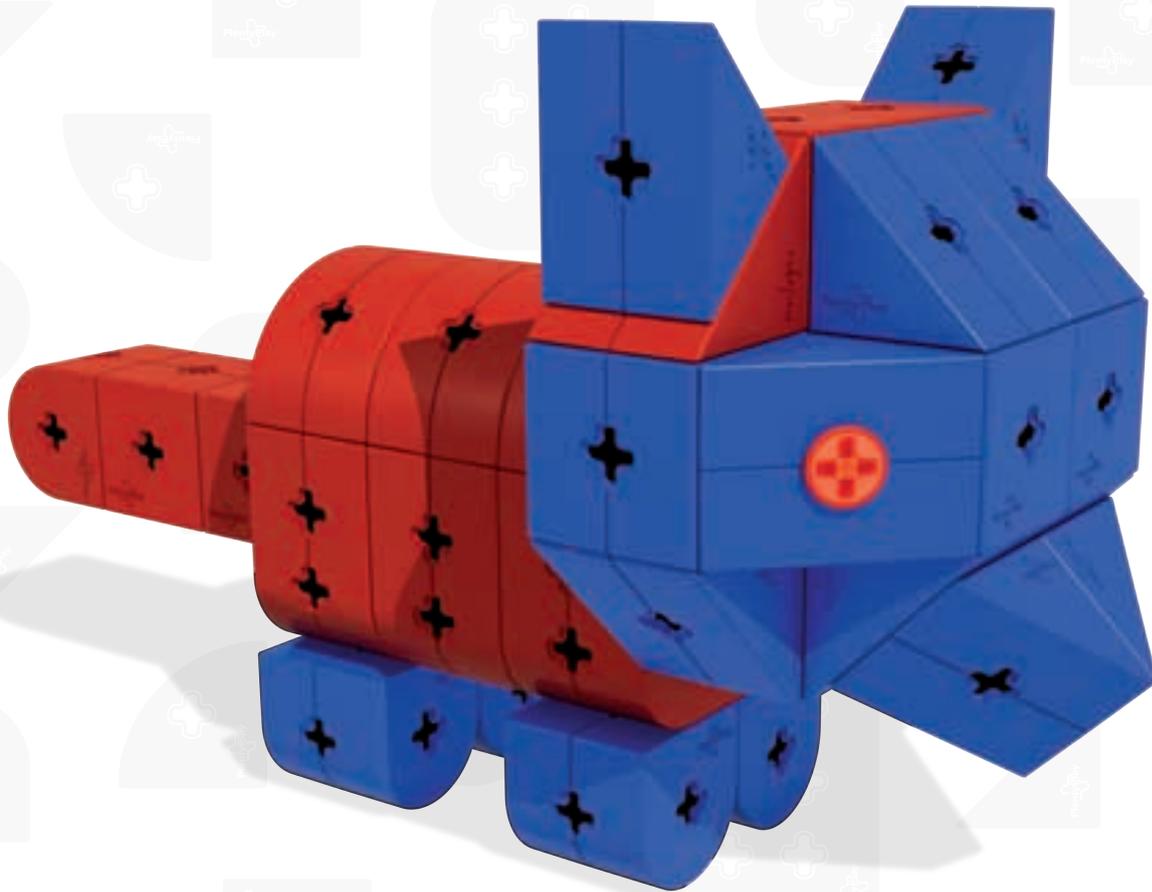
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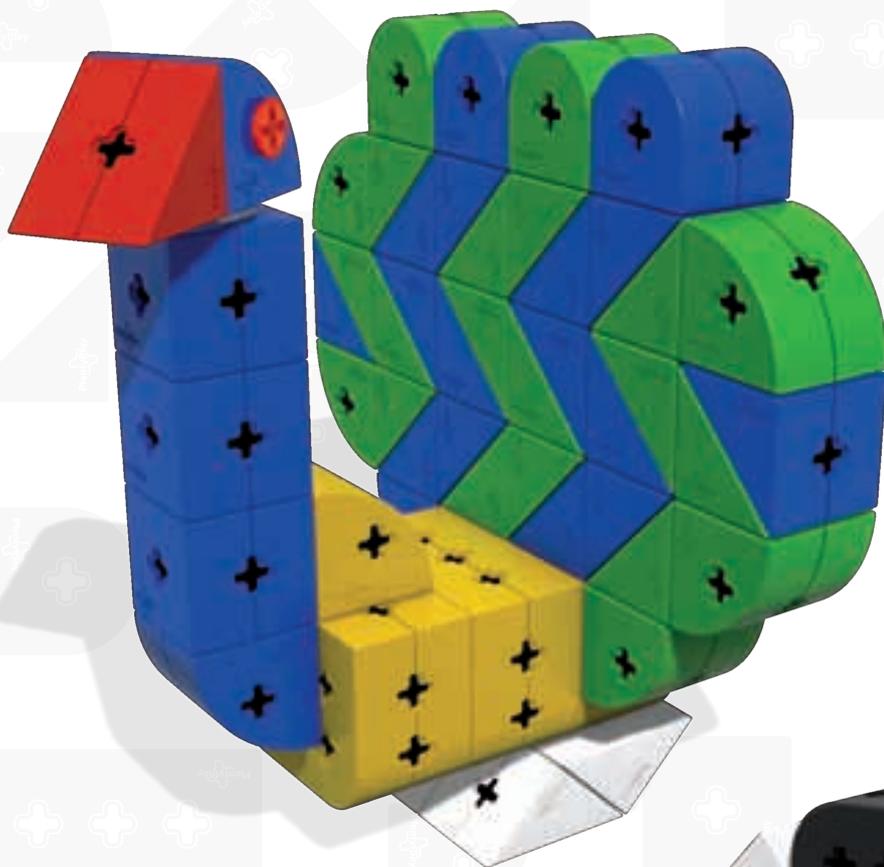
Advanced constructions

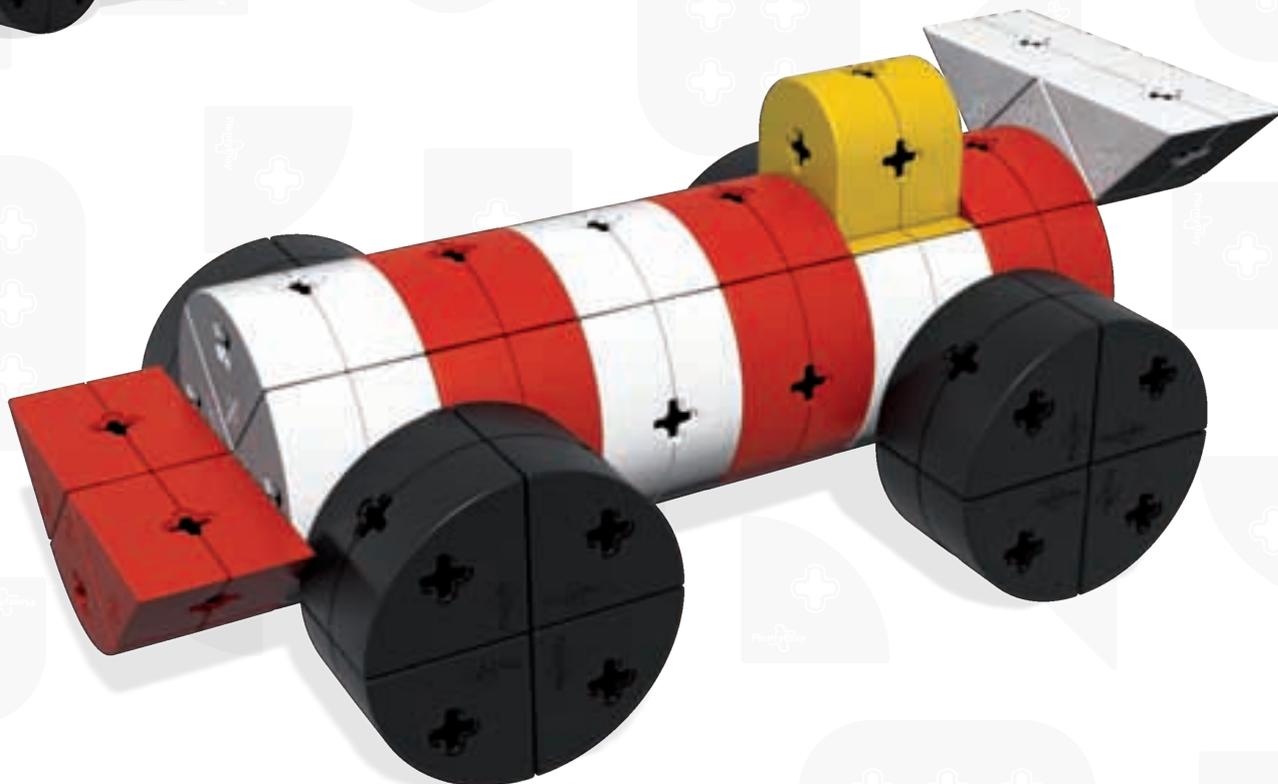
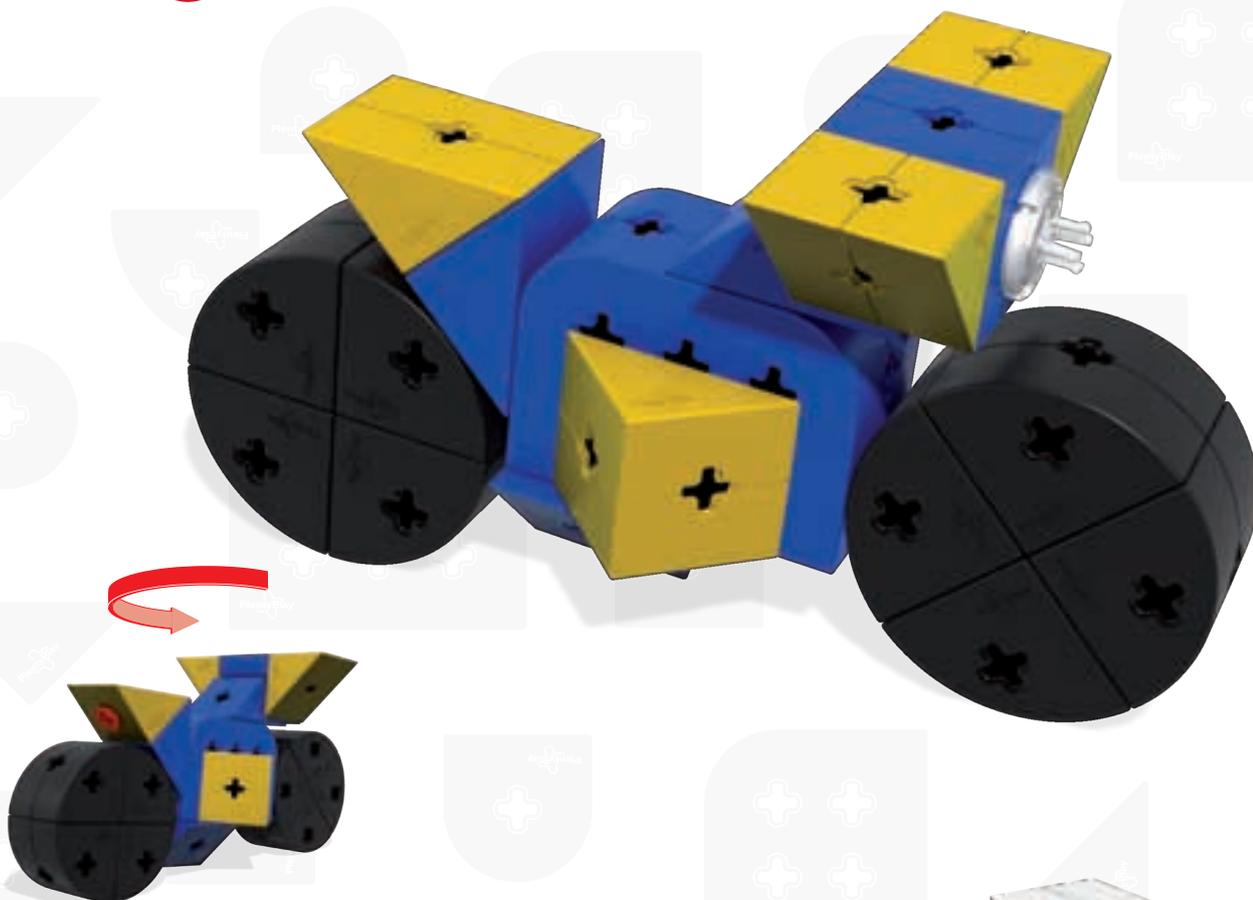
Constructions at this level require extra concentration, clear logical thinking as well as a strong ability to think and build in 3D.



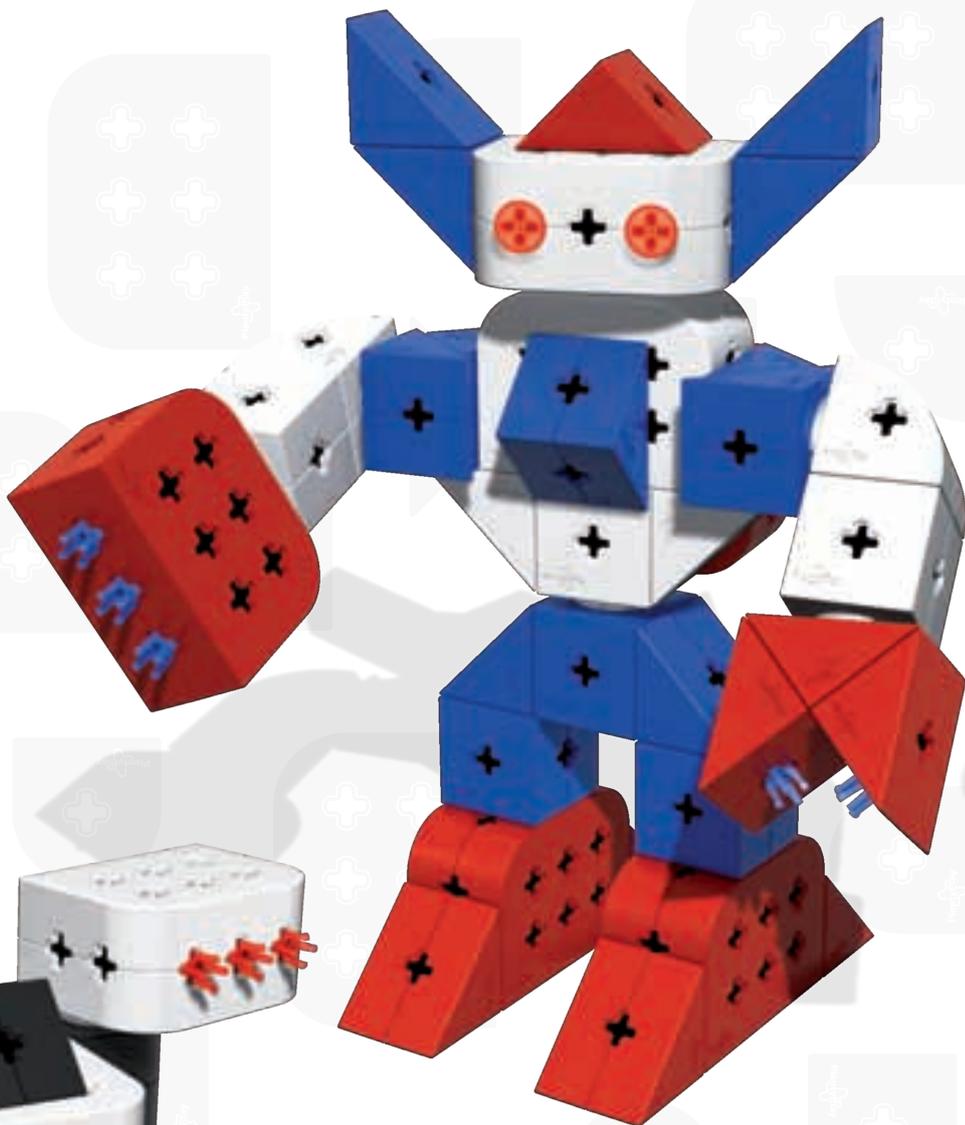
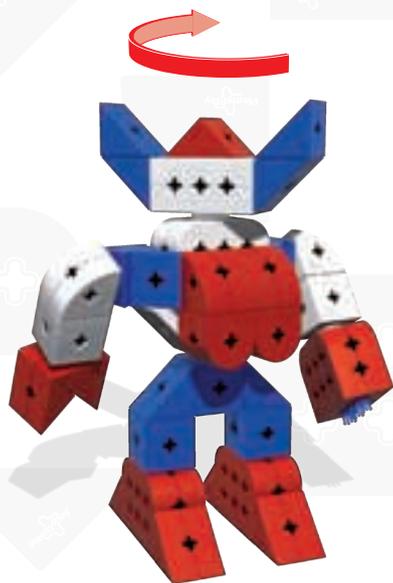


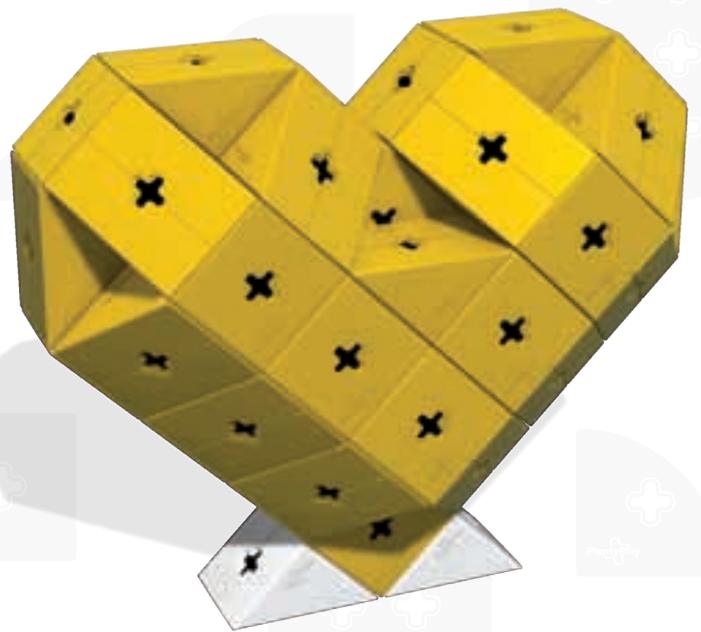
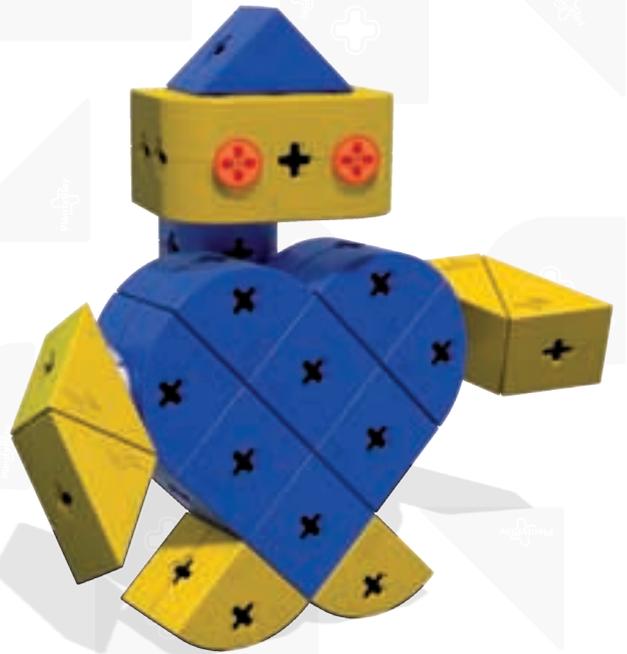
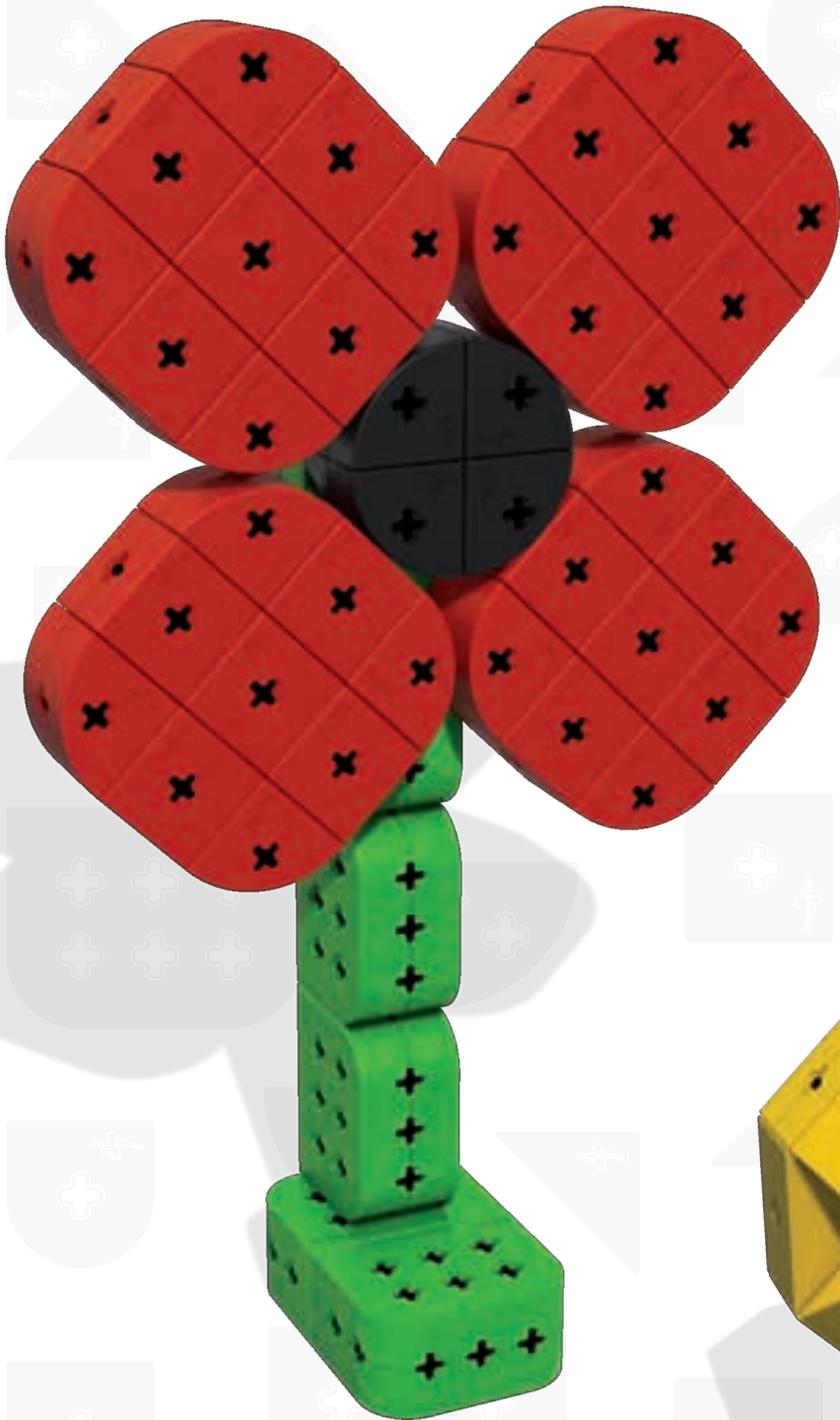


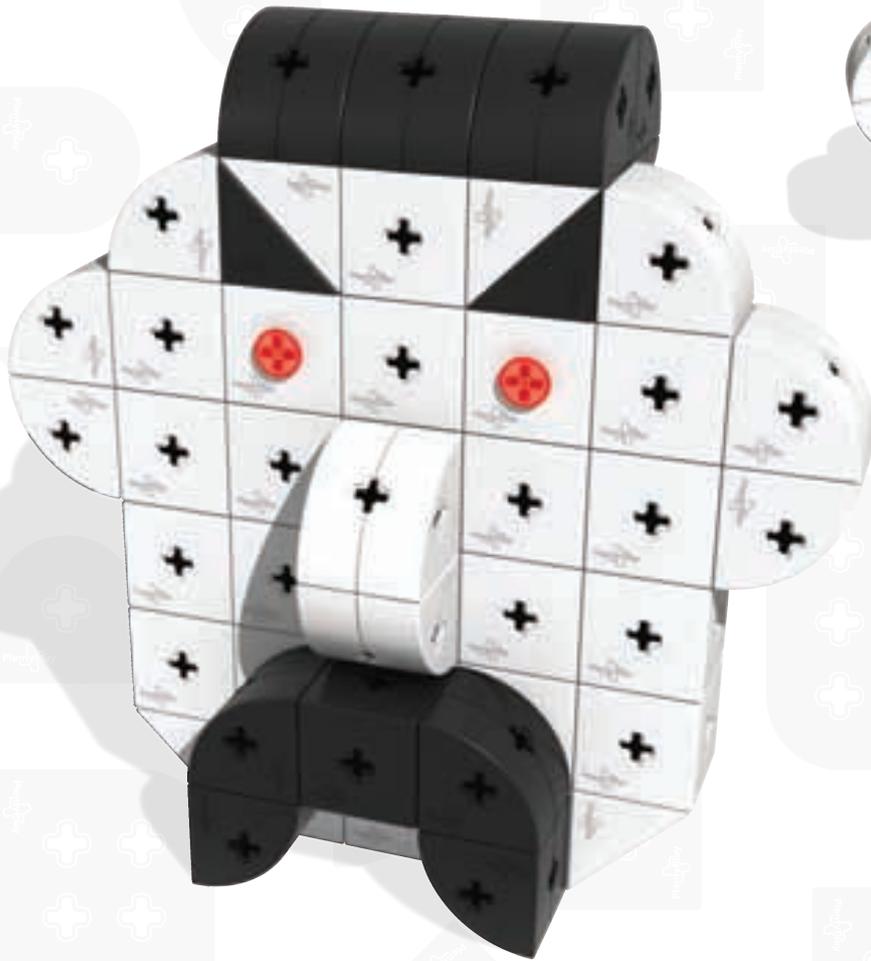










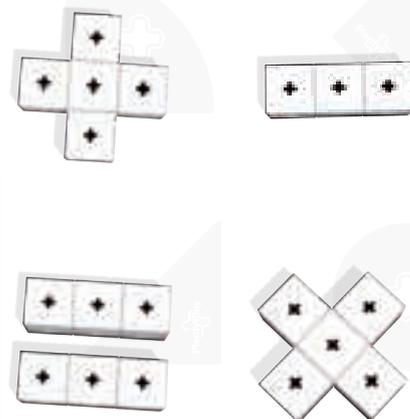


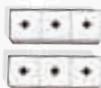
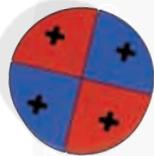
NUMBERS and LETTERS

Constructing numbers and letters helps the pupil learn and remember these numbers and letters better. When constructed, the numbers and letters can be put together to form sums and words.

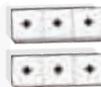
"The construction system by PlentyPlay® is ideal for teaching children numbers and letters – the more tangible the materials used by the children, the better their chances of remembering the various numbers and letters."

Lotte Jensen, pre-school class teacher





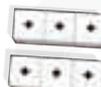
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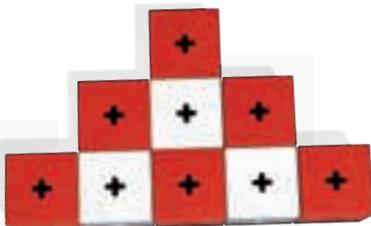
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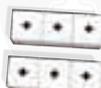
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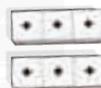
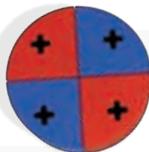
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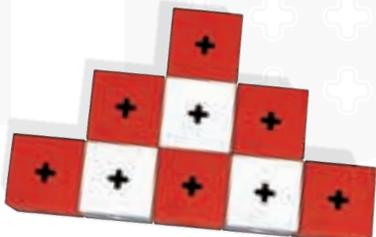
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11



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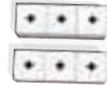


15

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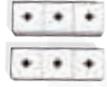


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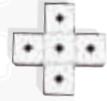


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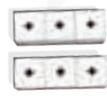


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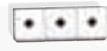


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1



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3



6

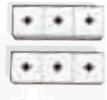


9

2



2

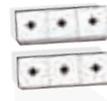


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1



5



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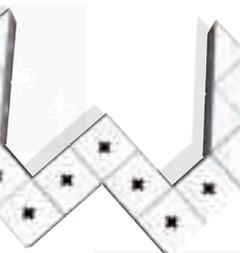
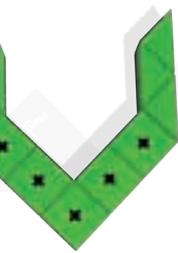
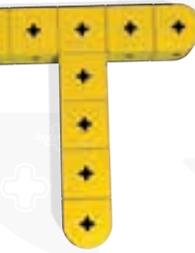
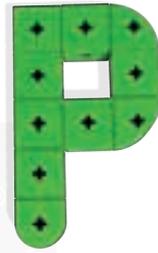
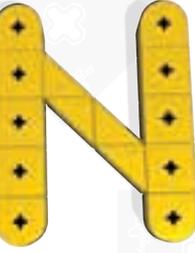
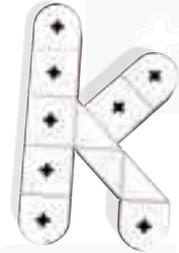
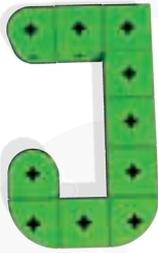
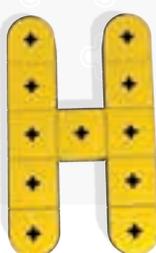
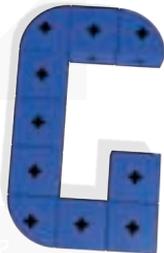
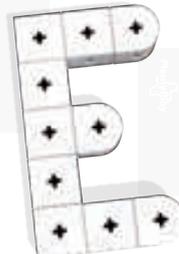
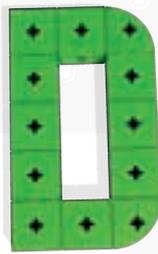
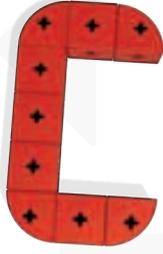
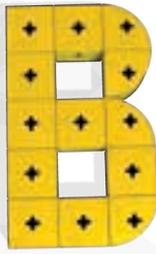
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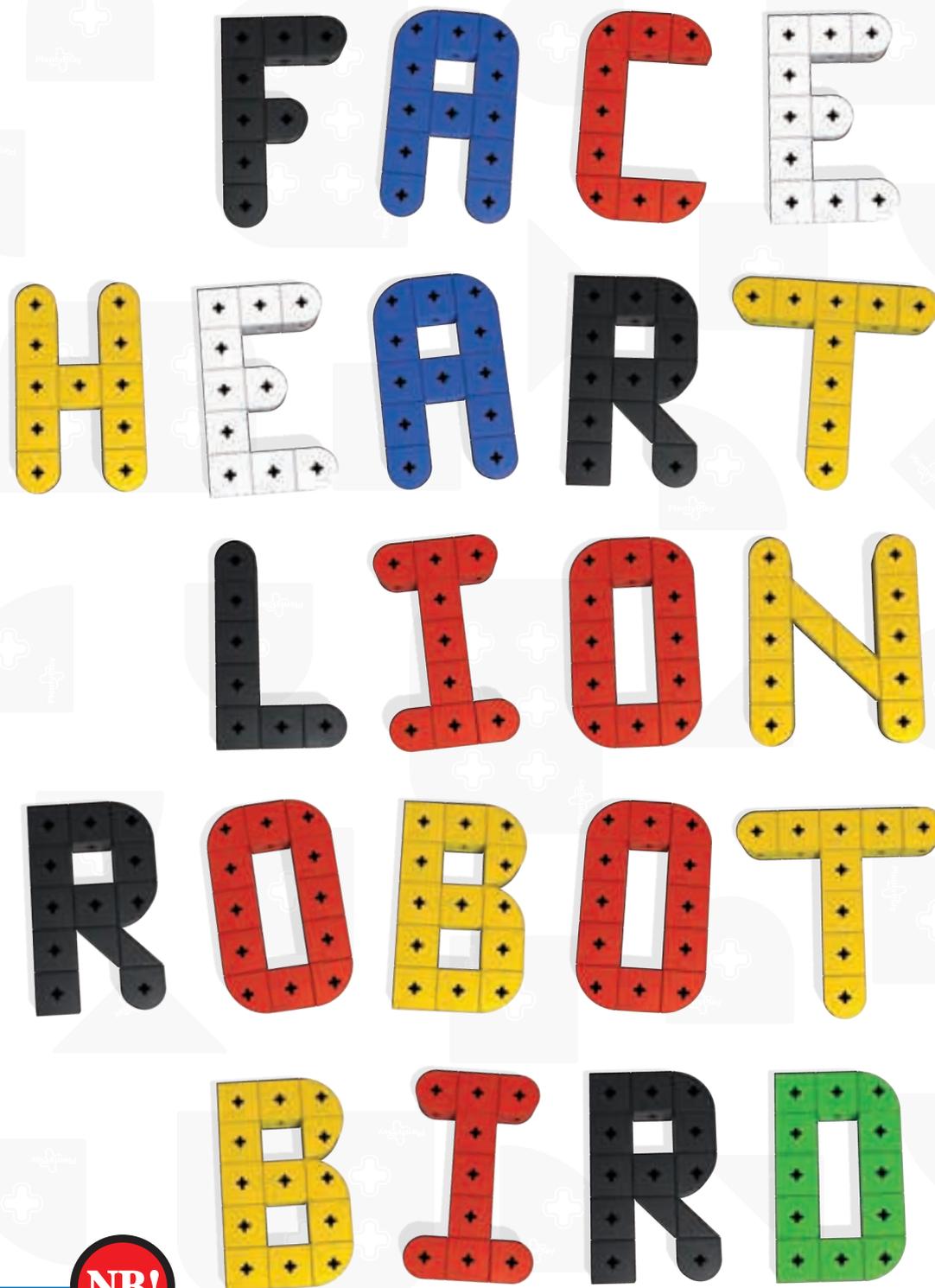


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9





NB!

The pupils can for example try building the names of things in their classroom.

NB!

The pupils can try building their own name and then try building their friends' names.

L I S A

J A C O B

R E B E C C A

W I L L I A M

N A O M I

FLOWER
CARROT
TIGER
TABLET
FUN
SAND
SALT



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