

A young girl with brown hair in a ponytail, wearing a pink t-shirt, floral leggings, and a colorful backpack, is walking away from the camera on a paved path. She is carrying two large, light blue cardboard boxes, one in each hand. The background shows a grassy field with trees and a fence. The text "muzo Learning Landscapes" is overlaid in white on the image.

muzo Learning Landscapes

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Step into a new way of teaching and create learning landscapes with Muzo.

Different didactic and methodological concepts, different learning situations, varying group sizes and last but not least the heterogeneity and individuality of the learners themselves – this requires a high degree of flexibility not only from the teachers, but also from the equipment of the learning rooms.

Modern schools need learning landscapes and settings that are highly variable and can be changed quickly and easily, that enable group work as well as presentations that create retreats or invite you to an informal exchange. The learning environment is a decisive factor when it comes to motivation and learning success.

Xbrick, Flomo and furniture from the Muzo Learning Landscapes series, provide new exciting elements that quickly and easily reconfigure learning environments. Both learners and teachers can intuitively create their own learning environment in no time, in a simple and uncomplicated manner.

Space matters, so let's rediscover how to use it! Xbrick is a multi-functional tool that gives you the flexibility to rearrange your classroom, position small workgroups and easily move your lessons to any location – indoors or out. There are millions of applications for Xbrick and kids – of all ages – come up with new ideas every day!



Tools to create learning landscapes
—functional, intuitive, playful







Dr. Michael Kirch
Academic Council
Chair in Elementary School
Pedagogy and Didactics,
Ludwig Maximilians University, Munich

What importance do you attribute to space in learning situations?

In pedagogy one speaks of the space as the third educator, alongside the teacher and the classmates. The importance of the learning environment was already recognized in the discourse of German Reform Pedagogy (the era of educational renewal which began around the end of the last century). Maria Montessori implemented the term of the 'prepared environment' referring in particular to the learning environment and the materials contained within it.

Thomas Müller, special needs teacher and professor at the University of Würzburg, even considers the learning environment to be the first educator. He refers to the fact, that the space is the first impression that one perceives when entering a school or a classroom, and that it subsequently influences the teacher and the students. "We shape our buildings, thereafter they shape us" is a heedful phrase thought to have been articulated by Winston Churchill – ascribing a very significant meaning to our environments.

How we build schools, how we design teaching and learning environments largely depends on how we define teaching and learning; what function, and what tasks we ascribe to the school as an institution. In a way, the designed school environment is key to the image of the pedagogy on which it is based; thereby, influencing future teaching and learning techniques.

If you look at schools in Germany, the focus seems to be on the design of teaching classrooms. However, these environments are not only important for teaching, but also for learning. It is a special challenge today to design spaces that support both – teaching and learning. David Weinberger, Harvard University, gives the room special emphasis when he says: "The smartest person in the room is the room." This phrase is particularly true if the space is not limited to the physical teaching and learning environment, but also takes the digital environment into account, too.

The project "Innovative Learning Environments & Teacher Change" provides diverse evidence regarding the effects of space on teaching and learning.

The ideal study room – what does it look like in your eyes?

I would not like to speak of the ideal study space. Let us assume it to be an optimized learning space.

Optimized learning spaces meet particular educational requirements. In 2015, Kahlert and Nitsche sought to develop new standards, a seal of approval for teaching and learning environments known as Triple AAA. Triple AAA proposed that learning environments ought to be stimulating, needs-based and adaptive. Here I consider the requirement criterion to be crucial, extending the potential for learning in different ways.

The requirement adequately conforms with those goals pivotal to the learner, in that it offers different forms of learning, what with befitting, tailored media content. To make this possible, it is necessary for a learning environment to be flexible and adaptive, whilst retaining a clear structure.

Needs-based learning environments continue to evolve, as demonstrated by the fact that they can be open and networked. It should therefore be possible to integrate the outside world into the learning environment and conversely, make it possible to opportunely relate to the outside world; thereby, expanding the learning environment manyfold. Digital media can be helpful here. This capacity should be omnipresent without disturbing the physical environment. This means that needs-based learning environments which meet these requirements become spaces for encounters that enable all those involved to build diverse relationships.

Architecture and interior design can support these educational objectives: through optimized acoustics; through the provision of as much daylight as possible, together with variable lighting; as well as, seeing to the incorporation of good ventilation; and not least, by means of flexible interior design.







Xbrick

Unrivaled in its simplicity: Xbrick. The multifunctional stool, surprisingly light and stable, is deployed wherever a dynamic environment is required. As a seat or standing aid; quickly transformed into a plinth; or used as a table when required, Xbrick constantly reconfigures space in a different way. Intuitively adopted, almost noiseless, they are employed in no time at all.

Xbrick is made of pure expanded polypropylene (EPP). We deliberately chose this 100% recyclable material because it makes Xbrick so exceptional, combining many functional and ecological advantages.



At 3 lbs Xbrick is easy to carry



Xbrick is extremely strong and has a load capacity of up to 440lbs



Safe to be used as a toy and easy to clean and sterilise



Encourages togetherness



Can be combined in multiple ways



Provides children with the ability to learn in new environments







Darren Buttle
CEO Muzo

Learning through play

We believe our products have a significant social and economic purpose. Our product development teams aim to positively impact education, community, and the natural environment while promoting fun, curiosity, imagination, wellness and agility.

In a similar vein to Lego and Meccano, Xbrick and Xconnector alongside various accessories gives children their own furniture toolkit! Kids can take ownership of their space and get super creative. "Hey what if I changed my seat into a Space Rocket!?" or hey guys lets build a store and pretend to be shopkeepers!" Pretend play activity in the classroom builds communication skills which are essential for the long-term wellbeing of our children right through life.

Xbrick promotes opportunities for joy, invention, exercise, collaboration and development of design skills. Our goal is to inspire the next generation of doers, thinkers and creatives. We hope that the architects of the future may be inspired by playing with and building with Xbrick.

The new sea green Xbrick is made with recycled waste from the maritime industry, e.g. old fishing nets. These fun design facts will inspire kids to explore and understand the importance of sustainable materials.

In summary: "Xbrick is a safe and simple stool, podium or step that also creates variable Learning Landscapes anywhere in an instant, indoors or outdoors."





Flomo

Remarkably employable just about anywhere thoughts flow, when ideas are born and need to be written or drawn. The Flomo system can be taken practically anywhere. Conceived as a universal and highly adaptable system, it makes it possible to intuitively adapt and structure space – serving also as an acoustic measure where desired.

The Flomo board is aligned to focus on agile work. With its easy to use functional accessories, Flomo goes far beyond the classroom, or meeting room, turning walls, glass or steel surfaces into centers of knowledge.

Flomo is mobile and adaptive, and affords an ability to convert entire spaces – to serve multidisciplinary, self-organizing teams of varying composition and size.

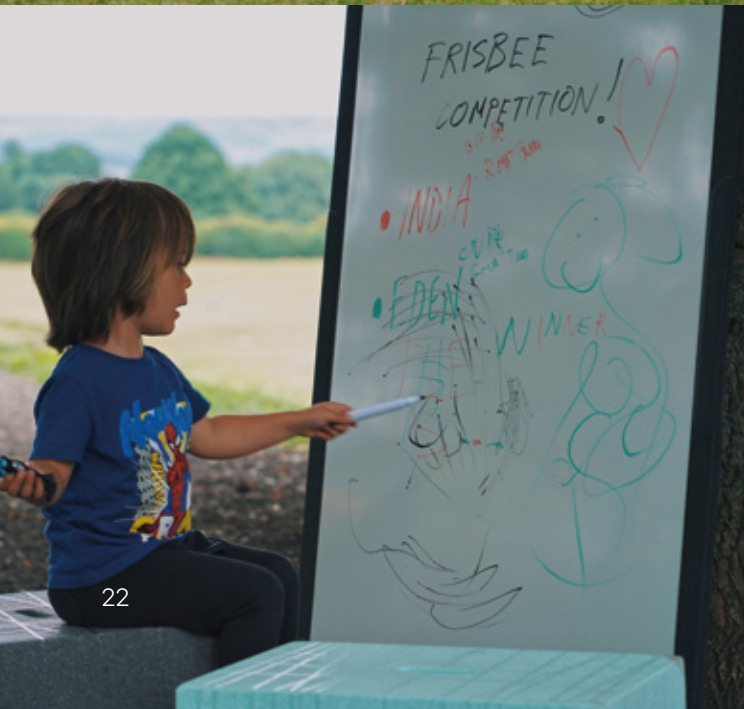
Flomo is designed for indoor and outdoor use. It's super lightweight with an extra non-slip grip. it's scratch resistant and shock resistant. Muzo Flomo care accessories include our Dry Erase erasers and Flomo fluid. We guarantee no ghosting.



Frame made from same robust material as Xbrick



Use as a sports scoreboard



Strap to a tree for shaded learning



Lightweight at 13 lbs



Use horizontally as a drawing table



Grab handle for easy carrying





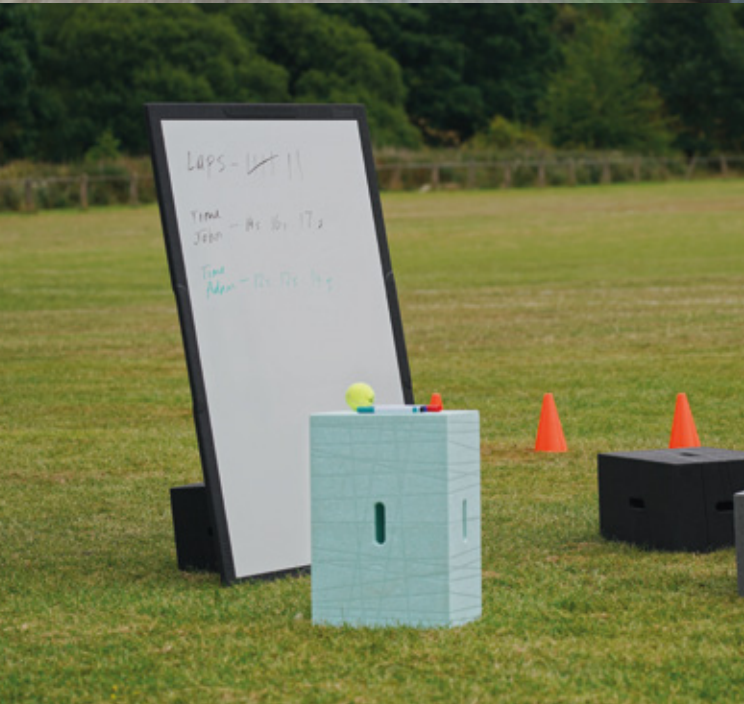


Combos

The beauty of the Xbrick collection is that you can combine the accessory products to create unique learning environments that serve to assist the natural behaviour of how children like to play and learn. This easy ability to adapt opens up the possibility for you to experiment with totally new layouts for each class. It encourages users to tinker with their environment so that it's functional for the task at hand, and doesn't lock children into constrictive methods of learning.



Combine Xbrick with Flomo to make a writable, magnetic table



Lean Flomo against Xbricks to make an outdoor or indoor writing board



Combine Xbrick with Xtable to make a large table



Combine Xbricks with Xbench to make a narrow table or seat



Combine Xbrick with Xwedge to make an ergonomic seat



Combine Xbrick with the Xconnectors to make tiered seating





Xbrick featured at Learnlife, Barcelona

Learnlife comprises two main 'learning hubs', on the seafront and in Barcelona city center. The 'nature hub' offers both an indoor and outdoor space for kids of kindergarten age up to 11 years.

In the city, an indoor innovation community and 'urban hub' provides experiential learning sessions for older children. Both centers subscribe to the view that standardized learning belongs in the past. As nature hub founder Christopher Pommerening puts it, "standardized learning puts millions of kids through the same processes, which will one day be automated by machines".

At Learnlife, the mission is to foster 'personal learning' instead, using every inch of the environment to teach children something new.

"I love using Muzo Xbrick's at the Learnlife EcoHub - they have become my chair, desk - and sometimes, my sun shield wall."

Stephen Harris — Co-founder & CLO

"We have seen them used as boats, spaceships and minecraft blocks at the Eco Hub too..."

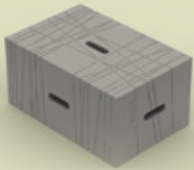
Solange Espoille — Architect/Founder



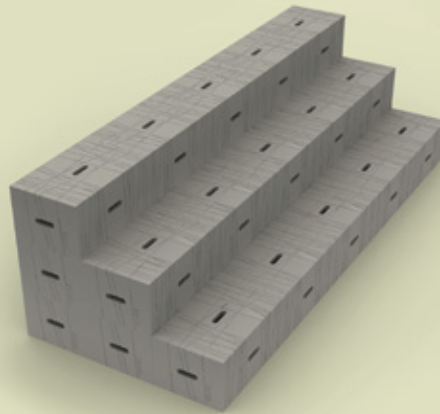




→ Layouts



Single seat



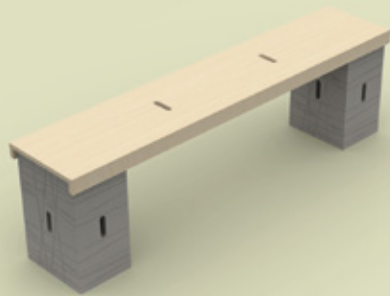
Tiered seating



Standing desk



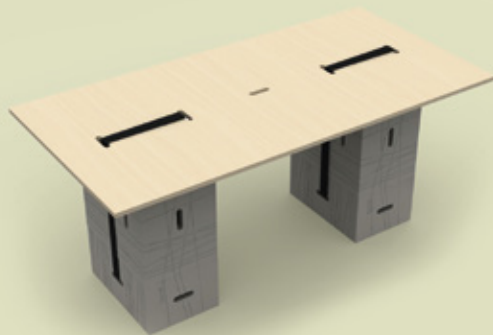
Steps



Bench



Lean seat



Table



Presenters podium with power



505:3



→ Together

Learning together in a group situation: Sitting on the multifunctional Xbrick stool in a working group or in pairs; be they opposite each other at ground level or at chair height. The lightweight Flomo board can be hung on the wall like the classic blackboard. If the group needs a table, it also doubles both as a storage platform and writing surface.

The Flomo trolley offers plenty of storage space; space for further Flomo whiteboards whilst it can also serve as room divider; whereby it shields users acoustically.



→ Focus

Learning independently and being able to withdraw is a regular requirement. This is achieved quickly and easily with the Learning Landscapes range. You can create mobile retreat zones where one can peacefully concentrate, or create campfire style layouts in an instant for a small group to work together. You will notice the beneficial effects this can have on children.



→ Relax

Informal learning in exchange with others: Here it is important to fill an open environment with elements that are inherently flexible, light in weight, easy to handle and quiet to move around. Xbrick, the multifunctional stool for sitting, standing, or employing lengthways is just perfect for this and is unbeatable when teamed with Flomo whiteboards that can be temporarily affixed to walls; inviting one to sketch. From only a few building blocks, interaction and communication spaces can be spontaneously created with ease.



→ Share

Learning by showing and listening: Settings for presentations, lectures or frontal-teaching situations are erected quickly and easily in open spaces with Xbricks, on which the listeners sit alone, side by side on the X-bench, or on the grandstand made of Xbricks. The speaker can opt to arrange Flomo whiteboards to stand freely about a space on their Flomo easels; or just as easily, utilise a glass wall by employing the Flomo gecko suction cups, or affix the whiteboards to an upright column or tree with the Flomo X-belt.



→ Move

Learning on the move and bringing dynamics into learning spaces: This requires inherently flexible furniture that is lightweight yet stable and durable. This is what the multifunctional Xbrick stool offers; moreover, quickly becoming a piece of sports equipment that invites learners to move, whether it be indoors or outdoors.



→ Play

Learning by doing, experimentation and playful-practical learning: Understanding things in the truest sense of the word: to handcraft, to try things out experimentally, to make music, to be artistically engaged and active. Xbrick and Flomo elements invite you to do just that, be it in designing and arranging the space, which in itself provides a framework for discovery; not least, by introducing three-dimensional experimentation with the building blocks themselves.



→ Power

Quite often, the biggest hurdle in lesson planning outside of a traditional classroom scenario is having access to power. Having multiple learning zones in one communal space poses even more of a challenge, until now. Xbrick+ is a battery powered Xbrick, and the technology is a gamechanger! You are no longer limited by the onboard battery capacity of your laptop or tablet. The TSA limits laptops to 100 watt-hours. Most laptops include 50 watt-hours.

Xbrick+ has an agile power system built in that adds an extra 200 watt-hours. Study untethered all day in the cafeteria, library, classroom, outside at a picnic table or in the middle of a field, without ever having to find a 120v outlet. Use your Xbrick+ as a stool, a podium or extra work surface, with power at your fingertips whenever you need it.

Wirelessly powers laptops, phones, tablets and even TV's for up to 13 hours of constant use.



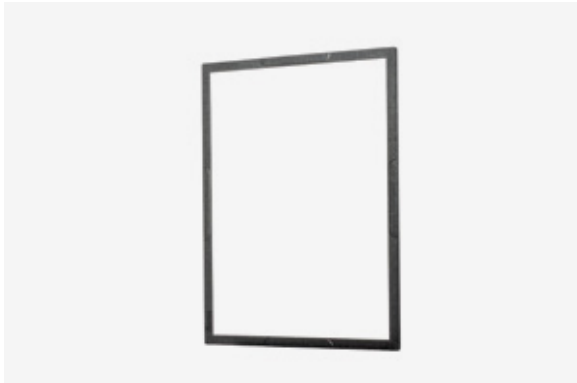
Products

Xbrick



Modular brick

Flomo



Portable magnetic whiteboard

Xconnect



Connects the xbricks together tightly

Gecko



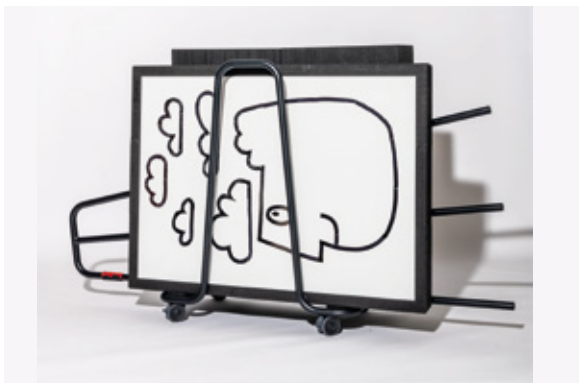
Sticks Flomo to window surfaces

Xtable & Xbench



Wooden tops

Caddy



Carries up to 6 Flomo

Products

Xeasel



An easel for Flomo

Xwedge



Ergonomic cushion
for Xbrick

Xbrick+



Powers devices for
up to 13 hours of
constant use

For more information
about our products
muzo-works.com

Come visit us at our
learning campus
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