



France

**Topic:**

Innovation

**Achievement:**

Bridging  
Sectors Sustainable  
Practices Learning  
Together Local Sector  
Cooperation

**Sector:**

Design & Fashion

## BLISS LLab - Bridging Learning in Sustainable Styles

Have you ever thought of fashion as a form of gardening? Can you imagine a garment designed to grow as you do? This is the concept behind the BLISS LLab, which encouraged students aged 10-11 from Pantin, France, to become 'gardeners' and explore the entire lifecycle of a garment, from raw materials to circulation. The aim was simple: expand the clothes' lifespan and reduce waste!



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## Challenge

Students aged 10–11 had little awareness of the environmental cost and creative potential behind the clothes they wear. In a fast-fashion culture where clothing is disposable and disconnected from its origins, the project aimed to counteract superficial perceptions of fashion by introducing the entire lifecycle of garments, including raw materials, sustainability, ownership, and reuse, while also addressing the difficulty of integrating innovative, cross-sector learning models into public school systems.

## Solution

The BLISS Learning Lab engaged students through six interactive workshops combining traditional craft with new technologies like AI and 3D modelling. Students explored the lifecycle of garments by developing their own bio-based textiles from materials like seaweed and orange peel. They visited Chanel's 19M craft centre, engaged in design thinking, and co-created wearable pieces that adapt and grow, resulting in a public school-wide exhibition and a replicable, educator-friendly model for sustainable fashion education.

## Impact

The BLISS Learning Lab transformed students' perceptions of fashion into a deeper understanding of sustainability, creativity, and ownership. Children who once viewed clothes as disposable became curious innovators imagining adaptive, eco-conscious designs. The programme inspired students to continue designing, shifted schoolwide awareness, and provided a replicable framework for teacher-led workshops. By embedding fashion within a living ecosystem, it reconnected young learners with textiles, nature, and their own creative agency.

## Milestones & Learnings

**Students created** prototypes including garments made from biodegradable and plant-based materials (e.g. Hanji paper, seaweed).

**Hands-on co-creation process** helped students understand the full fashion lifecycle and sustainability.

**Students explored ownership** and IP rights, asking critical questions about authorship and design protection.

**Visit to Chanel's 19M craft centre** connected students to the heritage and future of fashion.

**Final school exhibition** featured adaptive, eco-conscious garments and encouraged student storytelling.

## Key Takeaways

- The BLISS Learning Lab reimagines fashion as a form of gardening, encouraging students to explore the full lifecycle of garments, from raw materials to sustainable design and reuse.
- The programme blended traditional crafts, AI and the use of innovative, sustainable materials like seaweed and orange peel. The students imagined garments that are biodegradable, functional, and adaptable, such as a shirt that grows with the child.
- The Learning Lab proved successful in engaging students and is designed to be replicated in other schools.

Learn more BLISS LLab on the [official website](#).



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