

The background of the slide is a textured, light beige surface with a faint, artistic illustration of bamboo stalks and leaves in shades of green and brown. A white rectangular box is centered horizontally and vertically, containing the text "Bamboo Workshop" in a green, sans-serif font.

Bamboo Workshop

Why use Bamboo ?

Bamboo is a truly sustainable and renewable resource, generating up to 35% more oxygen than hardwood trees, and absorbing 4 times the carbon as well. It is one of the fastest growing plants on this planet, it grows without pesticides or fertilizers and it requires very little water to grow. Grows every year and stays green year round. Hundreds of kinds grow in different regions of the world, and people have used them in everything from construction to medicine. It has significant cultural and religious connotations.



Bamboo is fast growing

Bamboo is one of the fastest growing grasses in the world with some species growing as much as 30cm a day. The poles mature at 3 to 5 years and are ready to harvest for construction or other projects.



Has low embodied energy

Bamboo grows with minimal energy needs and without the need of fertilizers or pesticides. Harvesting bamboo does not require any sophisticated tools. Bamboo poles require minimal processing before they can be used for construction and if sourced locally, very less energy is used in the transportation.



It is Renewable resource

Bamboo is a highly renewable resource because it is very fast growing and needs no replanting. For harvesting the poles, one need not cut the entire plant, as bamboo plant keeps producing new shoots providing a continuous supply of poles.



It is Structurally strong

Bamboo is one of the strongest natural materials. With a tensile strength superior to steel and compressive strength stronger than concrete, it is one of the most versatile and durable natural resources on earth.



It is Versatile

Bamboo comes in various sizes and wall thickness, which means there is always a specific species of bamboo for a particular project. It can be used as whole poles or split into various sizes for weaving making it extremely versatile material.



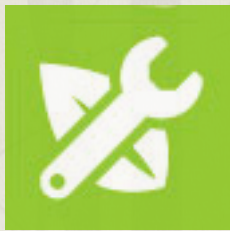
You can grow your own

The ease of growing bamboo and fast growth rate means one can grow their own raw material and use it for construction and other projects within 5 years. This is much quicker than growing timber which would normally take 30 to 50 years.



It is Great DIY material

Bamboo is very easy to build with making it an ideal material for DIY projects. The versatility of the material means there are various possibilities and every size of bamboo has a use leaving almost no waste behind.



Empowerment & Skill Development

In developing countries bamboo can be used to empower people in the rural areas by providing skill and knowledge of using bamboo that grows locally. It creates new employment opportunities in the rural areas and prevents people from migrating to the city.

Hands-on learning workshop



We conduct a variety of hands-on learning workshops using bamboo and other natural materials. The aim of the workshops is to provide a theoretical and practical understanding of working with bamboo. The workshops also provide creative challenges and enables participants to test the design ideas through hands-on construction.

Every workshop starts with:

Introduction to Bamboo and Tools



General bamboo introduction provides an idea on bamboo as a material and various opportunities with bamboo (sustainable, properties, spices, uses). Participants learn various techniques how to handle tools: like cutting, splitting, drilling, making strips out of bamboo, as well as some safety rules.

Kids hands-on workshop



Hands-on work enables connection of mind with hands, imparts ability to take risks and leads to creative thinking among kids. Workshops can be held so each kid does own product or in collaborative way as an group project. Using bamboo as a medium, we teach kids the necessary skills for working with hands and creating products of their own.



Team building workshop



Workshop for corporate organizations provides an opportunity for the members to work together as a team, make decisions collaboratively and get to know each other, all during fun-filled hands-on exercises, using bamboo as a sustainable material. Doing craft with natural materials tends to make people get their stress out and it is noticeable that everyone goes home with big smile.



Bamboo Bicycle Workshop



Slightly more advanced type of workshop where participants gets to build their own bamboo bicycle frames starts with using bicycle CAD tool to design the frame and goes on by choosing right bamboo tubes, cutting them to right dimensions, sanding down, and fitting them on the jig before they finally get to be wrapped with carbon fiber and glued with epoxy. Final product is usable bicycle frame.



