

DARK MATTER

Dark Matter is a propositional garden that invites visitors on a reflective journey through the woods. At the garden's heart lies biochar, an ancient lustrous soil amendment, representing ecological and technical innovation of the past, repurposed for today. **Biochar**, the carbon-rich residue produced from biomass pyrolysis, enhances soil health, foster microbial activity, and acts as a long-term carbon sink, offering an effective and immediate response to climate change.

A serpentine trail of darkened earth winds through the woods, guiding visitors to a majestic cauldron suspended above the forest floor filled with locally produced biochar. In the cauldron's center, a pendulum sways from the forest canopy, echoing the verticality of a tree and mirroring the surrounding garden.

Dark Matter envisions a future where carbon, akin to the unseen yet influential dark matter, is made visible. This garden allows visitors to experience the carbon-sequestering potential of the forest in a tactile and transformative manner prompting self-reflection and inspiring climate action. This garden embodies the ecological awakening possible when we leverage ancient regenerative material cultures to address the pressing environmental issues of today.

biochar trail

3 m³ of biochar
carbon capture equivalent
of 100 years of tree growth

brass cauldron

.025 m³ of biochar
carbon capture equivalent
of 1 year of tree growth

brass pendulum

diameter of mature tree

wire hanging structure

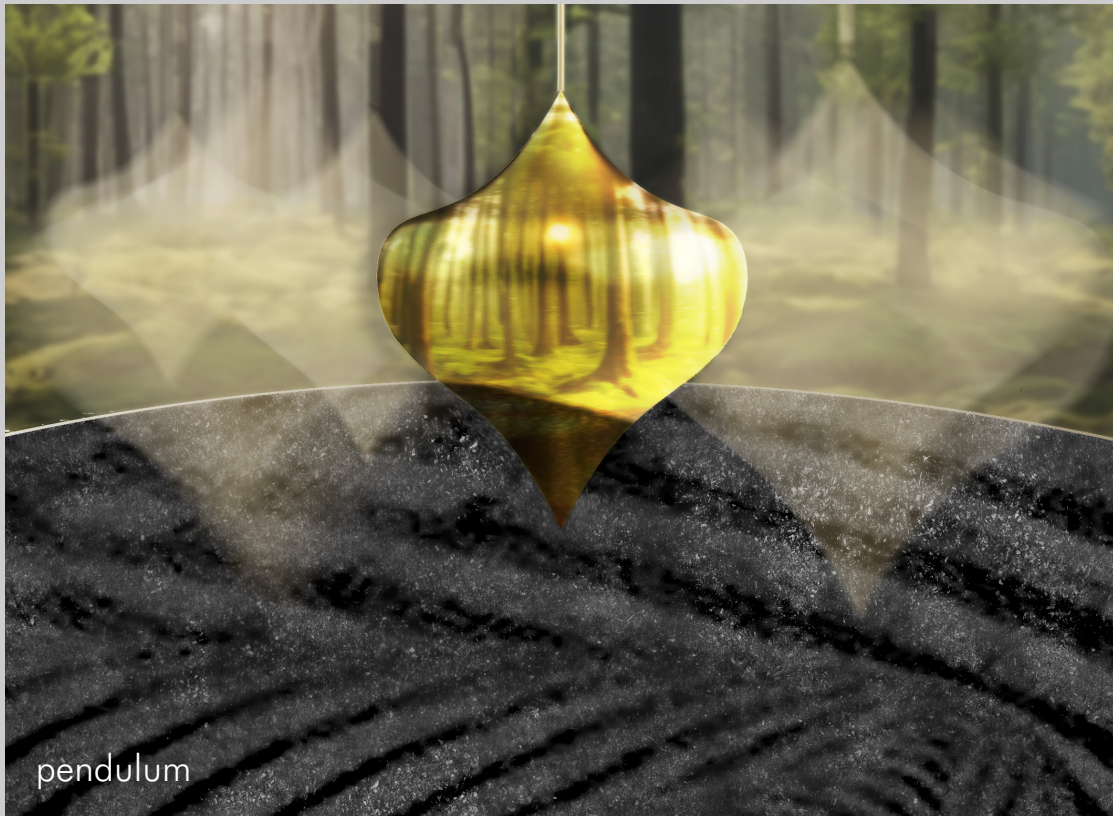
height of mature tree

0' 2' 4' 6' 8' 10' 12' 14' 16' 18' 20' 22' 24' 26' 28' 30' 32' 34' 36' 38' 40'

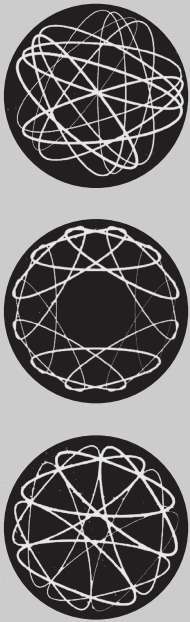


garden plants

woody biomass
wild flowers
perennial grasses
forest products
biochar



pendulum



visitors can mark natural geometries in the biochar by setting the pendulum into motion.



garden approach



steel support device
mounted to adjacent trees

steel hanging wire
brass pendulum
biochar
brass cauldron

5" deep biochar
trail

garden biomass
support and drain