All things STEAM'd uP3

empowerment

news • articles • events • learning

STEAM, that's STEM + the Arts Science, Technology, Engineering, the Arts & Maths

https://futuristSTEAM.co.uk/mag/002

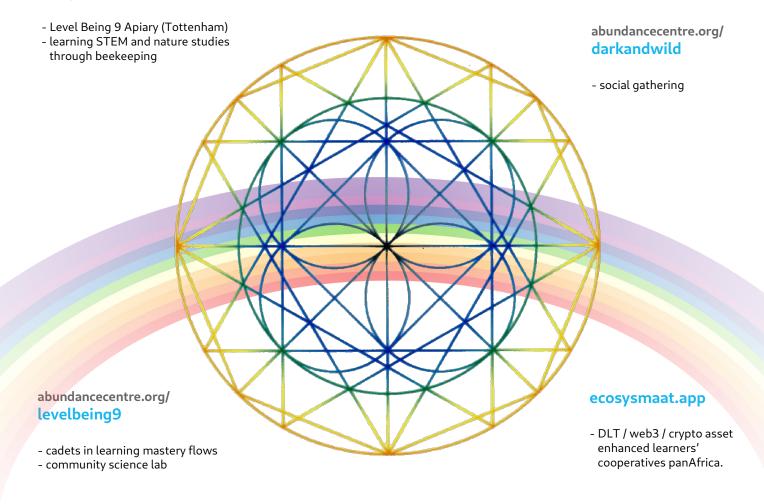
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abundancecentre.org/ seftontrust

- trike/cycle building (from scratch) STEM project, Sefton, Liverpool Area.

beeglobal.hns.to



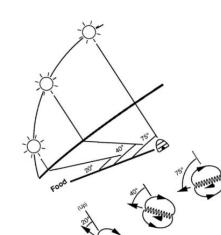


blackopenuniversity.org/ moodle

- elearning, our learning management platform
- STEAM'd uP Learning pedagogy courses for parents, educators and teachers
- hair structure science course
- warrior dance (African martial arts science)

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https://beeglobal.hns.to



This year we launched a special programme: Revealing the Science of Honey Ereker, as a second of the The programme started as party of the party of the programme in the party of the programme and the party of t The programme stated at part of our annual British Science week offering for the development of the practice.

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The programme stated at part of our annual British Science and thing the programme some interpretation and the programme in the p This special programme has been prepared to further educate and inspire. Teachers and other educators in the UK, Africa and the Caribbean interested in creative and universities to learning the Caribbean interested in creative and universities and u Those with STEM interests, interested in creative approaches to a content of the content of the

Our LevelBeing9 cadets and families Young people, parents aducators Teachers and other educators Our LevelBeing Cadets Young people, parents and tamily or normal tamily people, parents and other sources and tamily or normal tam



Hair Structures & the Alpha Helix Design Learn the science of hair structures through earn the science of hair structures through approaches natural STEAM'd up Learning approaches to education and personal insight ENROLNOW



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https://abundancecentre.org/ hairscience





We are interested in establishing community science labs.

We have demonstrated the value of:

- pop-up labs for children
- science around the practice of beekeeping
- science around hair structures

What would you like to explore in a local community science lab?



https://abundancecentre.org/contactus

Recumbent Trike Self Build

Fabricating the Main Tubes Sections

Introduction

This section focuses on building the main tube section of the Thunderbolt. The main-tubes consist of .065 inch thick 2-inch diameter tubing. If a post heat treat is not performed the tube wall thickness should be increased to .083 inches or thicker. Included with the two inch tubing, is the fabrication of the pinch collets, idler/steering mounts and knuckle faceplates. This section accounts for the bulk of the trike.

Required Materials

The following materials are required for this section:

- 2" diameter x, 065" thick tubing x 85" length. If no post heat treating increase wall thickness to .083".
 5/8" diameter x 7.5" length Aluminum Rod
 1/2" diameter x 8" length Aluminum Rod
 2" x 8" x, 250" thick aluminum extrusion
 2 ea. 7/8" seat clamps, aluminum
 Misc. wood stock and hardware for building temporary frame fixture

Required Tools

The following tools are needed to conduct this section:

- Drill Press

 5/16 x 24 TPI SAE Tap

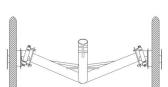
 1/2" SAE drill bit
 3/8" SAE drill bit
 5/16 x 24 TPI SAE Tap

 1/2" SAE drill bit
 5/16" SAE drill bit
 5/16" SAE drill bit
 4/8" SAE drill bit
 4/8" SAE drill bit
 4/8" SAE drill bit
 5/8" hole saw
 1" hole saw
 1" hole saw
 2" hole saw
 2" hole saw
 4" Saw or metal band saw
 Misc. files and emery cloth
 Stainless Steel Wire Brush
 TIG Welding apparatus using 100% tungsten 1/8" diameter tip

Objective

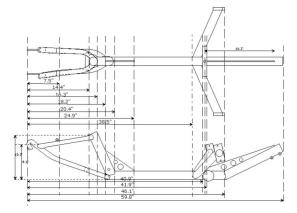
This section covers the following accomplishments:

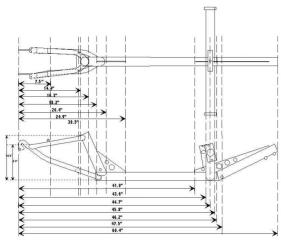
 Fabrication of Main Frame Subassemblies (gussets not included)
 The cut-out and shaping of all 2-inch tube sections
 Welding of all 2-inch tube sections and Frame
 Subassemblies The completed assembly drawings (including the sheetmetal) are shown below along with all applicable angles and dimensions.





















uLearn Naturally STEAM'd uP Creators' Hubs (Sefton)

that's STEM + the Arts

https://abundancecentre.org/seftontrust

education for true global power

EcoSysMAAT



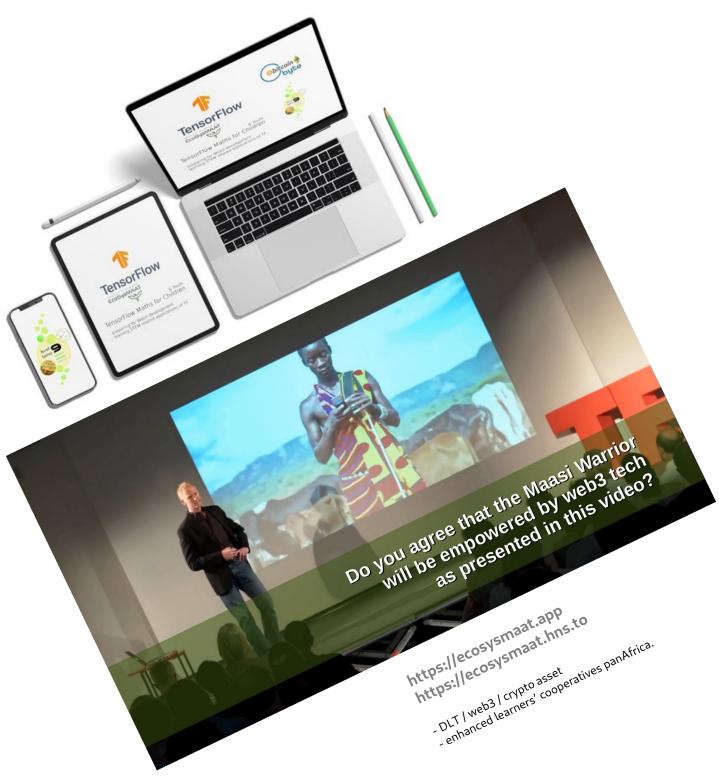






https://ecosysmaat.app

The basic mission of **EcoSysMAAT** is to address current global regional imbalances in access to STEM knowledge and research; to build a strong core global equity in STEM consciousness and competence, through **STEAM'd uP Learning** approaches to education; and to create equality of access to world-class STEM learning, with the power to stimulate "home-grown" STEM solutions to local problems. We seek this through 1) strategic global partnerships with the leaders of blockchain (web3 & crypto) technologies and 2) community-led and family-led learning groups and initiatives organised as local cooperatives. Our plan is for this to function globally.





uLearn Naturally Centre

(Tottenham EYE)

Nurturing EYE Insight; Assuring Excellence in Early Years Experiences.

We are developing a centre where we can provide early years CPD training; within the CACHE/NCFE frameworks. From this centre we will deliver an accredited Early Years Educators' programme that develops practitioners in STEAM'd uP3 Learning (Unifiedknoweledge) approaches to early years experiences and education; a 2-3 year course built upon the standard Level 3 Diploma for the Early Years Educator.

Our centre is being prepared to host:

- Cooperative EYE (Haringey); an associated learners cooperative for childminders, early years workers, parents and those with related EYE interests,
- 2) a childminder agency and
- 3) weekly Stay & Play services.

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Our overarching centre theme is STEAM; that's STEM + the Arts

We will deliver consistent and high quality stay & play provisions

We will facilitate our STEAM focused childminder agency and learners' cooperative for workers in the "early years experience"

We will provide professional development for early years workers (and parents)



abunDANCE in Schools

https://abundancecentre.org/inschools





AFRICAN WARRIOR DANCE

MARTIAL ARTS & SCIENCE | PEACE, POWER & WISDOM

MIND-BREATH-BODY HARMONIES

https://abundancecentre.org/dankira





Courses at Abundance Centres:

Get more info here:

https://ulearnnaturally.hns.to

Volunteering info - we need:

- project administrators
- marketing and public relations team members
- media and ICT team members
- work placements

Full training provided.

https://abundancecentre.org/contactus

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THE FUTURIST

a STEAM'd up³ Magazine

Science, Technology, Engineering, the Arts and Mathematics

