

FEDERATION TROPHY & POLLY MODEL ENGINEERING PRIZE

2022 Award Winners

The awards were made at the FMES AGM
Event Day on 12 March 2022 held at The
Avoncroft Museum, Bromsgrove

Here are the four award winners.....

Matthew Kenington

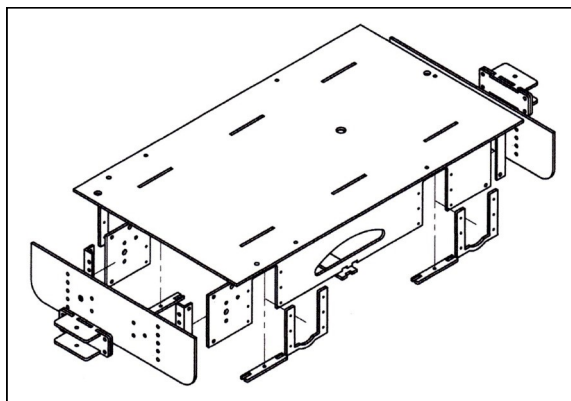
A member of Hereford SME, Matthew is 16. He was awarded the Southern Federation Trophy & Polly Model Engineering Prize 2020 with his convertible driving car for use on ground level or raised railway tracks.

Matthew joined Hereford SME in 2017 and quickly became involved in the society and its activities. Benefitting from help and guidance, he soon demonstrated proficiency in the safe use of machines available in the society workshop and continues to develop his engineering skills.

When progress on a 7¼ in. gauge ride-on tender in the society's workshop was interrupted by Covid, Matthew transferred his activities to the home workshop. His well structured and copiously illustrated portfolio details the design and construction of the project. Commercially available processes are used for custom components, including laser cut parts from Matthew's own CAD files.

Matthew is always available to assist with tasks essential for operating successful society open days and public running days. He's pleased to help younger members develop their driving skills and on running days is always involved with locomotive preparation. He's an asset to and a valued member of Hereford SME.

Matthew was awarded the Winner's Trophy, £50 Polly Model Engineering Ltd. voucher and £50 Federation cash prize.



Matthew Laister

A member of the Pimlico Light Railway club, Matthew is 16.

An early interest in building models from plastic and etched metal kits led to Matthew's first model engineering project, a simple oscillating steam engine, involving manual and machine workshop skills, measurement, safety awareness and simple design work. Coupled to a refurbished, salvaged unit, this simple engine is now part of a complete steam plant.

Making good progress with the club's training scheme until Covid struck. Matthew continued working in the home workshop under the guidance of his father, a qualified engineer. He is currently working on a simple slide valve engine.

Matthew and his father are working together on a *Polly* locomotive and Matthew is refurbishing his own second hand *Metre Maid* locomotive.

A keen Air Cadet, Matthew attends his squadron two evenings a week. He plays tennis one evening a week, is a top student in his engineering class at school and is pursuing his Silver Crest STEM certificate and Bronze DoE award. His engineering bias has been recognised at school and he has been put forward for an engineering Arkwright Scholarship. Most of his remaining time is currently taken up with revision for his GCSE exams, restricting opportunities available for his model engineering activities.

"A joy to work with" and a good club member, Matthew proved himself extremely competent in all the tasks set for him in the club workshop and on attaining the age of 16, had the Pimlico Light Railway continued to run for the public, he would have been a very capable and responsible young driver.

Matthew was awarded a Very Highly Commended Certificate and £50 Polly Model Engineering Ltd. voucher.



Daniel Bell

A member of Hereford SME, Daniel is 17. He was awarded the Southern Federation Trophy & Polly Model Engineering Prize 2019 with his steam outline road vehicle built using parts from a discarded mobility scooter.

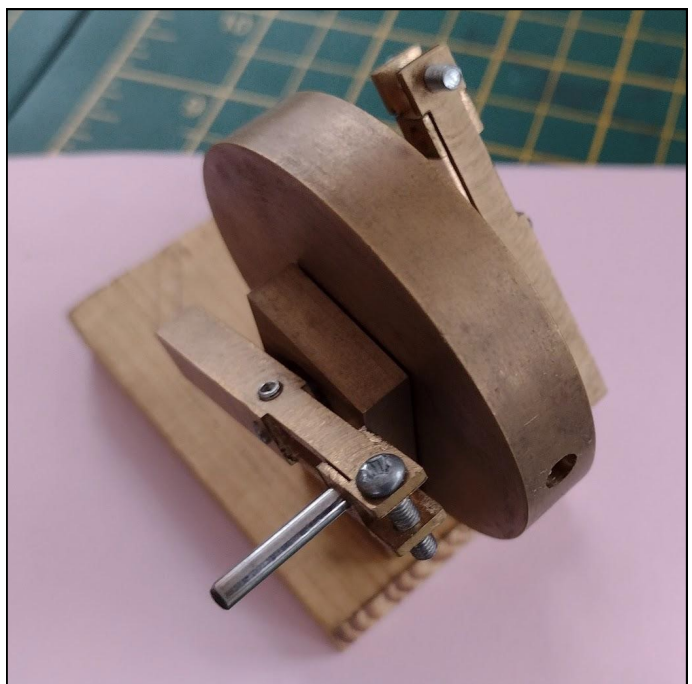
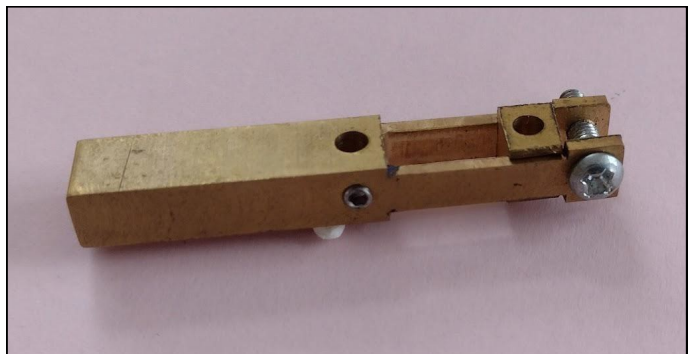
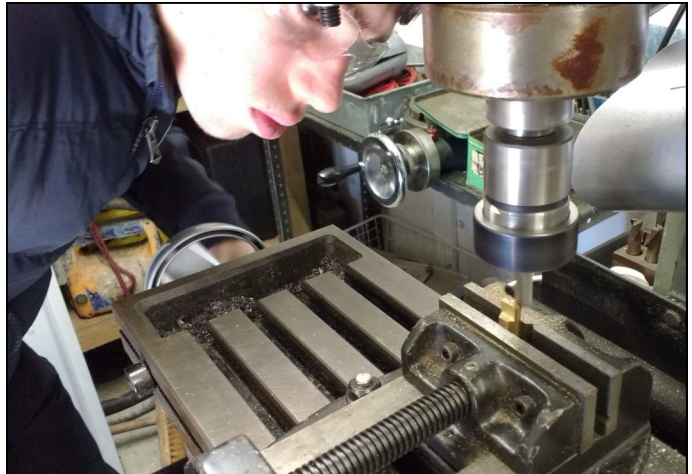
When he first joined Hereford's young engineers club, Daniel was unsure what he wanted to do but his enquiring nature and guidance from experience members soon led him to discover the challenges involved in model engineering.

By listening, learning, heeding the advice given and keen to discover more, Daniel has become clever and full of ideas. Access to his school workshop where he could develop his ideas further, his involvement with Hereford SME and the award of the prestigious Messier-Bugatti-Dowty Certificate of Achievement have provided a sound basis for an engineering apprenticeship.

Daniel's portfolio describes the design and construction of a Stirling engine, his current project, for which he has been encouraged by advice from members of Hereford SME and the Stirling Engine Society.

With full parental support, Daniel can usually be found at society events from the outset and is often last to leave. Maintaining the highest standards, he is a competent stationmaster, guard and driver able to drive fare paying passengers on the railway. A valued and respected member of the society, *"Daniel is just the sort of young person most model engineering clubs would wish to have as a member"*.

Daniel was awarded a Highly Commended Certificate and £50 Polly Model Engineering Ltd. voucher.



Tom Williams

A member of Hereford SME Tom is 21.

Tom takes pride in his work and achievements, is a competent welder and safely able to use the machines available in the society's workshop.

To avoid having to power up a large locomotive on running days to assist with shunting stock, Tom has built a pedal powered 7¼ in. gauge track cycle that he calls his 'Pedalino'. Assistance from senior members of the society, together with his own efforts have allowed him to realise his ambition. His competence and workmanship can be judged from the result.

Covid lockdowns halted progress on Tom's Pedalino until summer 2021 when workshop sessions resumed and work could continue. Principal areas of recent progress include fitting a braking system and gearbox, both using components from a donor cycle.

At the time of his nomination, remaining work involved painting and the addition of embellishments. Final touches will include couplings and lights.

A competent driver, Tom is always available to assist with the assembly of trains on open days. He's respected, able to get on well with everyone, a competent train guard and happy to assist with station ticket duties.

Tom was awarded a Commended Certificate and £50 Polly Model Engineering Ltd. voucher.

