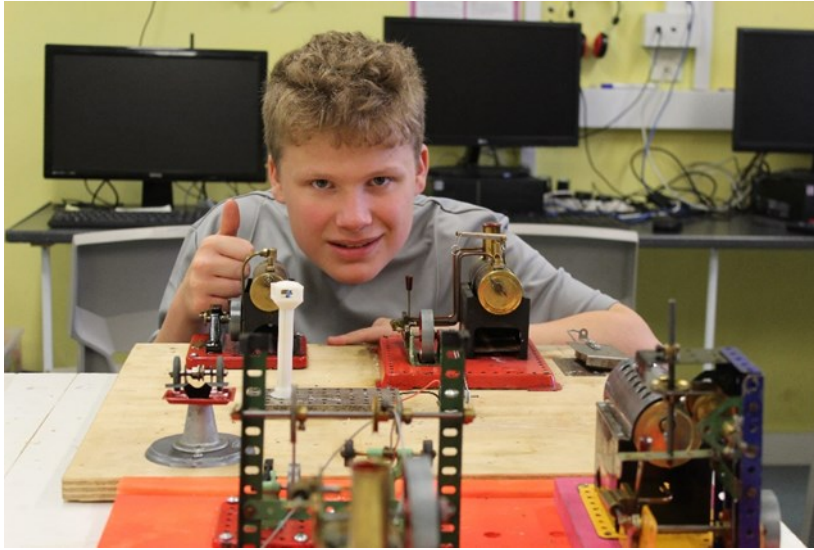


School Steam Project



AF with his restored steam engines

Over the past year, AF and I have engaged in dedicated lessons focused on the repair and renovation of model steam engines. We typically acquire these engines online, often in less than optimal condition, with ages ranging from 50 to 80 years old per engine. After restoring each engine, we perform safety tests using compressed air before operating them on solid fuel. Both AF and I fabricate the necessary accessories using retro Meccano or by designing them in Tinkercad. Followed by 3D printing on the school 3D printer. A future project, inspired by AF, will involve operating a record turntable powered by steam, utilizing gears to achieve the correct speed. Meanwhile, we are also working on a vintage drilling machine as we gather the necessary components for the steam project. These endeavours not only provide valuable life skills such as soldering but also deepen AF's understanding of Science, Technology, Engineering, and Mathematics (STEM).



AF with the drilling machine.