

01 September 2017

Dear Parent,

### **ARKWRIGHT ENGINEERING SCHOLARSHIP**

Is your son / daughter interested in pursuing a career within Engineering or Technical Design, then please read on.

The information below have been sourced from the Arkwright Scholarship Trust website  
<http://www.arkwright.org.uk>

The Arkwright Engineering Scholarships are awarded to 16 year old students through a rigorous selection process and support students through the two years of their A levels or equivalent qualifications.

Every Scholarship is sponsored by companies; trade association; universities; charitable trust or personal donor etc. They offer a variety of support i.e. valuable hands-on work experience, support for students' curriculum project and a personal mentor who can help them with aspects for their studies and career planning.

The key benefits are scholars receive:

- £600 as part of the Scholarship to fund:
  - components and materials to complete personal technical projects
  - enhance curriculum projects
  - text books and/or reference books
  - attendance on technical courses, summer schools or university open days

- Mentoring

Wherever possible scholars are paired with a Professional Engineer who can provide advice and guidance about future study and career development and technical advice to help with projects.

- Enrichment Opportunities

Access to a wide variety of exclusive events, which will provide an insight into aspects of different sectors of industry and academia.

Scholars will also benefit from having the opportunity to network with like-minded students, enhance their personal development and confidence.

## Applicant Criteria

To be considered for an Arkwright Engineering Scholarship the applicant MUST:

- Be in Year 11 and about to take GCSEs
- Be of 'good' academic ability. There are no set academic pass mark but, typically, successful Arkwright applicants are predicted to get a mix of A\*, A and B at GCSE (Levels 6 and above) and are likely to go on to get similar grades at A level
- Show a strong practical interest and ability in Engineering and/or technical Design. This should be demonstrated through a project they have done. This could be as part of their coursework for GCSE Design & Technology.
- Be planning to take A levels or equivalent examinations in subjects relevant to a university degree or a higher-level apprenticeship in Engineering or technical Design. Students are advised to refer to their preferred university for specific entry requirements.
- Make a commitment to Maths at AS/Higher, with a strong expectation to continue to A2.
- Must show the signs of future leadership potential.
- Be actively considering a university degree or higher-level apprenticeship in Engineering or technical Design and a career in the same subjects.

To be clear the following **subjects are valid for an Arkwright Engineering Scholarship**

- Computing and Software Engineering
- Chemical Engineering
- Product Design and Industrial Design provided the candidate's interest lies with the technical aspects of design rather than the aesthetic.
- Architecture provided the candidate's interest lies at the technical end of the Architectural spectrum (stresses, strains, materials properties) not the aesthetics end of the Architectural spectrum.
- Biomedical Engineering and Medical Physics / Engineering

Subjects that are **not valid** for an Arkwright Engineering Scholarship are:

- Pure Sciences (Physics, Chemistry or Biology) and pure Maths
- Medicine
- Dentistry
- Psychology
- Veterinary Science

The applicant's school must be affiliated to the Arkwright Scholarships Trust (CCS is an affiliated school).

Arkwright Engineering Scholarships **are only awarded** to students who remain in full-time, school / college-based education in order to achieve 'A levels' or equivalent examinations. The Scholarship **is not** awarded to students who decide to leave school at the end of year 11, to pursue an apprenticeship or other career options.

If you son / daughter would like to learn more about the Arkwright Engineering Scholarship please refer them to their website and go to the Teachers' Resources. They can obtain details about:

- What makes a good student applicant
- Project Ideas
- Examples of student application form
- A3 Drawing Sheet
- Past papers and markers comments
- Frequently asked questions
- Case studies about past scholars
- Powerpoint Presentation
- The Arkwright Handbook

#### **What to do next?**

Please let me know if your son / daughter is interested in applying for the Arkwright Engineering Scholarship by **no later than Thursday 21 September**. I can arrange for Paul Kennington a school advisor from the Trust to come into school and discuss any further questions students may have. I am sure Paul would welcome parents to be present.

I look forward to hearing from you.

Yours faithfully,

Jenny Blaize  
Head of Key Stage 4