

ENGINEERING

WE HOPE YOU ARE LOOKING FORWARD TO STARTING YOUR COURSE IN SEPTEMBER AT KIRKLEES COLLEGE. HERE ARE SOME RESOURCES FOR YOU TO TAKE A LOOK AT OVER THE SUMMER IF YOU WOULD LIKE TO GET A HEAD START.

WELCOME FROM ONE OF OUR SUBJECT TUTORS

“Hi, my name is Josh and I am a CAD/CAM Engineering Lecturer and Study Programme Lead at Kirklees College. My background is in Creative Design Engineering and I have been at Kirklees College for just over two years, where I lecture on a range of courses, including HND MEng and Level 3 BTEC in Advanced Manufacturing Engineering. I look forward to meeting you next year.”



Josh

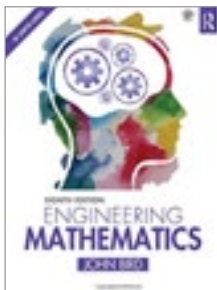
COURSE PROSPECTUS:

<https://www.kirkleescollege.ac.uk/subjects/engineering/>

RECOMMENDED READING LIST

In preparation for your college course and creative future read books, magazines and watch as many programmes as you can to learn about the different aspects of engineering.

BOOKS AND MAGAZINES



Engineering
Mathematics:
J Bird



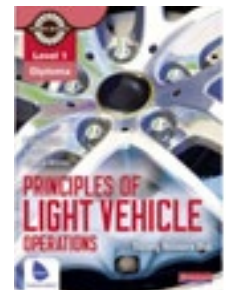
Engineering: Level
3 BTEC national:
E Cooke, R Jones,
B Mantovani,
D Roberts and
B Weatherill



Manufacturing
Engineering and
Technology:
S Kalpakjian and
S R Schmid.



BTEC First in
Engineering:
student book:
S Clarke,
A Darbyshire,
S Goulden,
C Hallgarth and
N Watkins



Principles of
Light Vehicle
Operations (Light
Vehicle Technology):
G Stoakes.

USEFUL WEBSITES

Engineering: Take a closer look - GOV.UK: <https://www.engineering.gov.uk/future-engineers>

Health and Safety Executive (HSE): Health and safety in the motor vehicle repair (MVR) industry:
<https://www.hse.gov.uk/mvr/index.htm>

Health and Safety Executive (HSE): Health topics in the engineering industry:
<https://www.hse.gov.uk/engineering/health-topics.htm>

Technology Student: <http://www.technologystudent.com/>

The Institution of Engineering and Technology: <https://www.theiet.org/>

The Student Engineer: <https://www.theengineer.co.uk/the-student-engineer/>

Tomorrow's Engineers: <https://www.tomorrowsengineers.org.uk/>

Engineering Mindset: <https://www.youtube.com/channel/Uck0fGHsCEzGig-rSzkfCjMw>

Kirklees College Engineering Centre Student Experience: <https://www.youtube.com/watch?v=bee32HKcLUU>

Soldering Tutorial for Beginners: <https://www.youtube.com/watch?v=Qps9woUGkvl&feature=youtu.be>

SparkFun.com: <https://learn.sparkfun.com/tutorials/voltage-current-resistance-and-ohms-law/all#electrical-charge>

EQUIPMENT NEEDED

Basic stationary including black ink pens, pencils, rulers, erasers, suitably sized rucksack etc (specialist engineering equipment will be issued to you on your arrival).

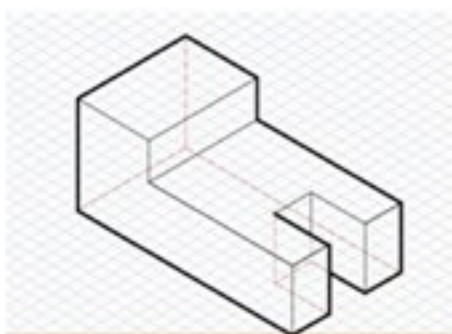
SUMMER LEARNING ACTIVITIES - LEVEL 3

Your Engineering course is based around academic topics that will influence your engineering career, that been said most reports/assignments will require you to research elements and be able to explain your findings. The two below tasks have been designed to test your researching skills.

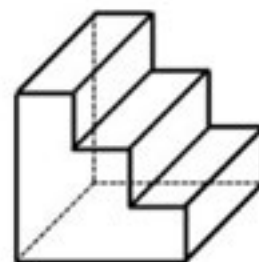
TASK 1 - Technical Drawing Unit 12

Research and explain what an **isometric** and **oblique freehand sketch** are, clearly highlighting the **major differences** and **how you would produce** both techniques including **pictures, website links and video screen shots**. Finally, **produce one sketch of each technique** on a plain piece of A4 paper.

Examples:




isometric sketch



oblique sketch

Please bring the report and practical work with you on your first week in college.



Make sure the Applications team have got your correct email address as this will be used to send further communications and your enrolment link.

This year enrolment will take place online and face to face.

GOT THE RESULTS YOU WANTED?

If you get the results you wanted on 24 August and you don't want to change your course, you don't have to do anything else. Applicants will be sent online enrolment links on results day.

If you have not met the conditions of your offer, achieved better results than expected or want to change course, our enrolment hotline opens on 14 August and we are available to discuss your options Monday-Friday.

Enrolment Hotline: 01484 437100

CONTACT DETAILS

If you have any questions about your application, please contact the Applications team by emailing **applications@kirkleescollege.ac.uk**, or by calling **01484 437033**.

