

SCIENCE - STUDY PROGRAMME

Thank you for applying for a place to study at Craven College in September 2020. To give you a head start, our tutors have created a list of resources and activities to help you prepare for your course.

READING MATERIALS (BOOKS, MAGAZINES AND NEWSLETTERS)

New Scientist

BTEC Applied Science Student Book 1,

BBC Science Focus Magazine,

Bill Bryson: A short history of nearly everything,

Selfish Gene

Girls think of everything: A story of ingenious inventions by women,

Napoleon's Buttons

SOCIAL MEDIA ACCOUNTS TO FOLLOW

Facebook Accounts:

Craven College Science Department

Twitter

Craven College Science (@CravenScience20)

Royal Society of Chemistry (@RoySocChem)

New Scientist (@NewScientist)

The Lancet (@TheLancet)

British Medical Journal (@bmj_latest)

YouTube

Khan Academy

Amoeba Sisters

CrashCourse Biology/Chemistry

WEBSITES

www.chemguide.co.uk

www.plos.org

www.innerbody.com

<https://ghr.nlm.nih.gov>

www.newscientist.com

www.nasa.gov

www.thelancet.com

www.sciencedirect.com

www.sciencemag.org

www.NHS.uk

www.the-scientist.com

WORK EXPERIENCE LINKS

Specsavers; Vision Express; Boots; Broughton Laboratories

ACTIVITY - PLEASE COMPLETE THIS BY FRIDAY 26 JUNE

Produce an information booklet on the spread of Covid-19. The booklet is to be distributed to the general public so must be presented in a way that is understandable to the average person.

You must include:

- How the virus impacts the body (pathophysiology of the virus)
- How it is spread from person to person
- How it was able to spread from the point of origin to the rest of the world (including a timeline of spread)
- How science has helped develop policies to prevent the further spread of the virus
- Reference List

Note that all scientific journals on Covid-19 are freely accessible to all – you must use at least three journals as references

APPLICANTS

Please complete this activity by **Friday 26 June** where you will present the results of the activity at our Future Student Morning.

The Future Student Morning will be delivered as a virtual event where your course area tutor will give you an online webinar, you will shortly receive an email with a link to sign up for this event.

If you have applied for a course starting September 2020, it is essential for you to sign up for this event as you will receive information about your course, enrolment and key dates.

Further details can be found at www.craven-college.ac.uk/events.

If you can't attend the event, please email marketing@craven-college.ac.uk with your name and the subject area you have chosen to study and we will arrange for your tutor to contact you.

Finally, don't forget to join the Science Department Facebook Group to keep up to date with everything related to your course:

<https://www.facebook.com/groups/770031570190119/>