

## VENUE AND DURATION OF COURSE:

John Ruskin College, Selsdon Park Road, South Croydon, CR2 8JJ, 1 year full-time.

## ENTRY REQUIREMENTS:

5 GCSE grade 9-3 (A\*-D) including English, Maths and Science; or BTEC Level 1 Diploma Merit/Distinction and GCSE grade 9-3 (A\*-D) in English, Maths and Science.

## PROFESSIONAL COMPETENCIES NEEDED FOR THIS COURSE:

- Ability to think logically and coherently
- Ability to problem solve
- Effective communication skills
- Decision making and thinking on your feet
- Independence and ability to use own initiative
- Responsible for own behaviour and health and safety practices
- The ability to work as part of a team, but also independently
- Excellent time keeping and attendance
- Dedication to the subject by reading about current research in science e.g. AAAS (American Association for the Advancement of Science)
- Ability to reflect and develop one's own practice

## WHAT QUALIFICATIONS WILL I GET?

Applied Science – Level 2 Extended Certificate.

## COURSE DESCRIPTION:

This course is designed to develop your knowledge and application of science to the world around us, including the fields of health and medicine and applications of chemistry, physics and biology. You will have the opportunity to improve your practical laboratory skills as well as report writing and communication skills.

## UNITS/TOPICS COVERED:

- Principles of science
- Chemistry and our earth
- Energy and our universe
- Biology and our environment
- Applications of chemical substances
- Applications of physical science
- Health applications of life science
- Scientific skills

- Practical scientific project
- The living body
- Chemical analysis and detection
- Exploring the Universe

#### **TYPE OF ASSESSMENT:**

Coursework, practical observations and written exams in two units.

#### **EQUIPMENT NEEDED:**

- Casio calculator, approved for GCSE exams,
- Graph paper

#### **WHERE CAN IT LEAD?**

- Applied Science Level 3 Extended Diplomas at JRC
- Apprenticeship
- Job roles could include,
- Science Technician, Brewery Worker or Animal Technician

#### **COURSE FEE:**

If you are under 19 on 31/08/2023, tuition is free. If you are 19 or over, please consult Client Services for advice and guidance on funding and eligibility.

Please be aware that there may be additional costs for equipment and educational visits. This information will be available from the curriculum staff at interview.

#### **WHAT TO DO NEXT:**

If you have any outstanding queries, please contact our Client Services team on 020 8651 1131 or at [clientservices@johnruskin.ac.uk](mailto:clientservices@johnruskin.ac.uk).

To apply online for this course please visit [www.johnruskin.ac.uk](http://www.johnruskin.ac.uk).

#### **Disclaimer:**

Every effort has been made to ensure that the details contained in this leaflet are up-to-date and accurate at the time of printing. However, the College reserves the right to alter or cancel courses, their content, entry requirements, fees or other details should circumstances dictate.

Should you require this leaflet in a different format please contact Client Services on 020 8651 1131.

