SIR WILLIAM ROBERTSON ACADEMY

MEDICAL SCIENCE CURRICULUM MAP

Year 13

Second assessment window

- INVESTIGATING THE SUBSTANCES THAT INHIBIT THE GROWTH OF MICOORGANISMS
- POTENTIAL TREATMENT FOR INFERTILITY
- THE IMPACT OF INFERTILITY ON HEALTH AND WELLBEING
- COURSEOWRK IMPROVEMENT OPPORTUNITY
- INVESTIGATE THE EFFECT OF ANTIMICROBIAL AGENTS ON THE GROWTH OF MICROORGANISMS
- EXAMINE THE CAUSES OF INFERTILITY

Cultivate microorganisms to accurately measure the effects of antimicrobials on their growth

Microscopy & staining techniques practised, and culturing microorganisms carried out

Learn how to Havard reference

- CONTRACECEPTIVE METHODS AND THEIR HEALTH IMPLICATIONS
- QANTITATIVE ANALYSIS OF MICROBES
- EXPLORE THE APPLICATION OF TECHNIQUES TO CULTURE AND IDENTIFY MICROORGANISMS
- FOETAL DEVELOPMENT AND BIRTH
- PRODUCTIVE PROCESS
- TRANSMISSION OF INFECTIOUS AGENTS
- UNDERSTAND THE ROLE OF HORMONES IN THE REGULATION AND CONTROL OF THE REPRODUCTIVE SYSTEM
- CLASSIFICATION OVERVIEW OF INFECTION DISEASES

Select and use aseptic techniques

Recall practise of Unit 1 and Unit 2

Further Study

University – nursing, biomedical science, sports science
Apprenticeships – analytical chemistry

Career Paths

Nurse & allied health professions , paramedic, clinical laboratory technician, sports scientist, physiologist, forensics science, general science, researcher

Skills

Research, analysis, practical/investigation, problem-solving

Interest

A continued passion and love of learning about Medical Science

Year 12

End of HT3 assessment

Revision techniques carried out

Practise exam questions ready for examinations

- HEALTH ISSUES & SCIENTIFIC REPORTING
- DIAGNOSTIC TECHNIQUES
- IMMUNE RESPONSE & DISFUNCTION
- GENETICS & HEALTH
- THE RENAL & DIGESTIVE SYSTEMS
- INTERPRETATION, ANALYSIS & EVULATION OF SCIENTIFIC INFORMATION
- CANCER - INCLUDING DEVELOPMENT, SCREENING, DIAGNOSIS & TREATMENTS
- REVISION & EXAMS
- UNDERSTAND THE CLASSIFICATION & NATURE OF MICROORANGISMS
- UNDERSTAND THE ANATOMY & PHYSIOLOGY OF THE HUMAN REPRODUCTIVE SYSTEM

Introduction to coursework

January mock assessment for Unit 1

End of HT1 assessment

- THE MUSCULOSKELETAL SYSTEM
- THE CARDIOVASCUALR & RESPIRATORY SYSTEMS
- THE ENDOCRINE SYSTEM
- PRINCIPLES OF HUMAN PHYSIOLOGY, ANATOMY & PATHOLOGY
- BIOLOGICAL MOLECULES & CELLS
- THE NERVOUS SYSTEM