

Life Science



Life science is an important area of study which leads to important insights into medical discoveries, improving human health. Through our integrated STEM and Biotechnology integrated programmes, we hope to inculcate in our learners a sense of curiosity about the world around them and help develop important competencies to prepare them for the challenges of the future world.

Our Programme

- Bigeye Scientist

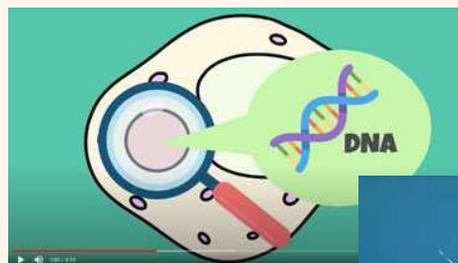
Bigeye Scientist

Bigeye Scientist is available as a training programme or as a digital resource on MCEduhub.

Bigeye Scientist is a suite of engaging experiments which integrates biotechnology exploration into STEM learning. It consists of step-by-step experiments which are easy to conduct, making it suitable for learners between the ages of 7 to 12. Worksheets and videos are also included to check learners' understanding and enrich their learning experience. This resource provides opportunities to reinforce and extend learning as learners can relate concepts from everyday learning in school to the real world. Bigeye Scientist is designed for an active learning experience that promotes scientific literacy, inquisitiveness and self-directed learning. It also hones knowledge, skills and attitudes to help develop important competencies (OECD Education 2030) to prepare learners for the challenges of the future world.



Experiment infographic



Introduction video

Available on MCEduHub



Experiment video

A total of 40 experiments encourage learners to delve deeper into concepts and nurture them into future scientists.

Lower Block

- Extract DNA
- Grow Bacteria
- DIY Microscope
- Fish Gills
- Bowling to Sun
- Sink or Float
- Mystery Matter
- Water Cycle
- Celery Autopsy
- Transport System in Nature
- Neuroscience

- Our Digestive System
- Our Blood
- Our Muscles
- Paper Science
- Magnets
- Electromagnetic Nail
- Solar Oven
- Light and Shadow
- Mini Volcano

Upper Block

- Matter Change
- Cycle of Matter Change
- Plant on Mars
- Osmosis
- Robotic Hand
- Exercise and CO₂
- Our Heart
- Brain Injury
- Gas Exchange in Lungs
- Our Lungs
- Make Biofuel
- Bye Bye Plastic
- Clean Up Oily Mess
- Recycle Paper
- Acid Rain and Soil
- Interaction of Forces
- DIY Catapult
- Biosphere
- Polar Bear Mystery
- Analyse Leaves