

Into the World of Science

Resourcing Kuwadzana Paraclete College

Kuwadzana, Harare, Zimbabwe



A project of Paraclete Christian Network International
Charity No: 1019767 www.paraclete.org.uk

Paraclete Christian Network International, a UK based charity has been involved in supporting a secondary school for some 10 years at its training centre in the large high density suburb of Harare, called Kuwadzana. Over these years, the school has gone from strength to strength despite all the economic hardships faced by Zimbabwe and the huge challenges of Covid19. In the last year, the number of students has increased from 200 to 500 for two reasons: the government run schools are barely operating as the teachers are not being paid and thus do not turn up for work; secondly the standards of the school have risen significantly and thus parents are keen to gain a place in the college for their children. This is both encouraging and challenging in terms of resourcing and equipping the school for such a huge influx.

A couple of years ago, the Zimbabwean Government decreed that all secondary schools had to offer science as a subject and all schools should have a science laboratory. To comply with this, the training centre transformed one of its kitchens into a science lab and bought some basic equipment and supplies of chemicals in order to start teaching science to the youngest children.



Now the vision is to further resource and equip the fledgling science lab in order for the college to be able to offer science as a subject at O level. This will greatly enhance the quality of the College and add another vital subject area to the other subjects already taught at O level: English, Maths, Accounting, Economics, Sociology, Religious and Family education, Shona, History and Business Studies.

The College is overseen by George, the headmaster, who is a former science teacher. He is very keen to teach this subject again and has compiled a list of resources and got initial price quotes in order to make this vision a reality...

Key Science Equipment

Distillation Unit (US\$1800)

2 Fractional Distillation units (US\$900)

Ph meter (US\$250)

4 light microscopes (US\$1800)

Projector (US\$200)

Chemical Supplies for experiments

Methyl orange (US\$10)

Potassium iodide (US\$105)

Calcium powder (US\$160)

Aluminum powder (US\$50)
Zinc powder (US\$70)
Iron filings (US\$14)
Lead powder (US\$140)
Copper Metal (US\$100)



Multiple items for students' use

5 Bunsen burners (US\$25)
5 triple beam balances (US\$450)
5 Vernier calipers (US\$200)
5 micrometer screw gauges (US\$65)
5 voltmeters (US\$100)
5 ammeters (US\$100)
5 pipettes (US\$20)
5 burettes (US\$90)
5 retort stands (US\$100)
5 pulleys (US\$25)
5 capacitors (US\$75)
10 lab thermometers (US\$30)
10 bar magnets (US\$30)
10 magnetic compasses (US\$250)

Sundries

Conical flask (US\$4) pipette filler (US\$10), periodic table charts (US\$23) chromatography paper (US\$12)
25 ml density bottles (US\$80) Electroscopes (US\$50) Rheostat 2 AMPS/20 ohms (US\$24)

Can you help?

Maybe, as you have read this....

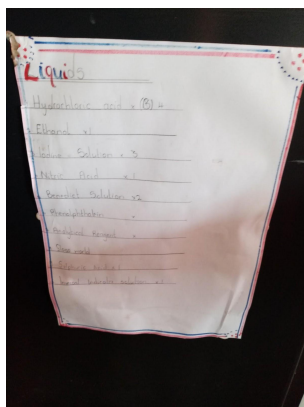
- ★ You recall the smell of the bunsen burners in your school lab?
- ★ You recall your love of science at school?
- ★ Maybe your studies of science led to employment and a career in science?

Maybe you want to share your resources and give young people in Zimbabwe the chance to become scientists in their desperately needy country... If you feel you wish to help, please be in touch with us and tell us which items you would like to sponsor

You can contribute by cheque (made payable to PCNI) or online on our website

www.paraclete.org.uk

All gifts can of course be gift aided



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