



# Hair Structures

## & the Alpha Helix Design



1991 2004 2011  
**Black Open  
university**  
Liberal Arts education from  
an African place of being

Learn the science of hair structures through  
the natural Unifiedknowledge approach  
to education and personal insight

**ENROL NOW**

**W:** [blackopenuniversity.eu/courses](http://blackopenuniversity.eu/courses)

**T:** 020 8144 1720

**T:** 075 3003 8547

Unique, deep and meaningful knowledge,  
from the hair root to the atomic level and  
beyond. Learning made easy for you.

**STEM**  
**+ Art**  
**STEAM**



# Hair Structures & the Alpha Helix Design

- uGo Deep Short Course Guidance -

Our "uGo Deep Short Course" supports purchasers of the "Hair Structure Science - Poster Sheet One" to go deeply into the biological structures in hair from the root to the elemental level and beyond.

The team at the **Black Open University** (<http://blackopenuniversity.eu>) have produced an encyclopedic poster and ground breaking course of learning, together these powerfully introduce the biological structures in hair from the root to the elemental level. Here is a taster video (<http://abundancecentre.org/hairscience>) where **Astehmari Batekun**, as the Principal Producer speaks on the many areas covered by this great educational learning resource, the course goes deeper, further than anything known in the world of afro hair and beauty.

This learning resource and experience introduces hair structures in a powerful new way, it gently brings to mind all the key maths, biology and chemistry ideas that are needed for critical **overstandings** and enhanced visualisation. This programme of learning uniquely features the African coiled hair structure in high quality biological cross section displays and insights, yet these studies reveal key learning points that are relevant to ALL people, both young and mature, both everyday people and industry professionals. Produced in **the pedagogy (natural learning forms) of Unifiedknowledge** this course transcends "hair" as it covers core ideas that relate cross-curricular (integrates many ideas) and thus makes the learning relate to many dimensions of life.

## Hair Structure Science – Foundation Course One - Units of Learning:

*Introduction to course and Unifiedknowledge, [0] Water, [1] Three Classic Questions: Number, Measure & Ratio, [2] Exponents and the Unit of Power, [3] Reciprocal, [4] Logarithm, Going inside 1 Metre – prepare for advance visualisation, Detailed cross section of skin and hair structures (African coil), Hair coil strength principles, Keratin protein, Polypeptide backbone structure, Amino Acids, Five key elements, Sub atomic elements, iconic metaphor, Periodic Table – spiral form, [5] Ions, [6] Water's self-ionisation process, [7] Isotopes, [8] pH (the Acid : Base ratio), [9] The Mole, Organic apple cider vinegar treatment idea, The Science of Hair Damage, Surfactants, Shampoos & Conditioners, The effect of Oils on Human Hair, African Hair And Curly Hair, Hair Strength, Cosmetics for thin Hair, Washing and Grooming Procedures, Hair Straighteners, Damage by Heat, Hair Dyes, Concise summaries of powers to be gained by these studies.*

Posters can be purchased and this ground breaking course takes place every Tuesday from 6.30pm to 8.30pm at

## Abundance Centres (UK)

c/o Chestnuts Community Centre, 280 St Ann's Road, London N15 5BN.

**Enrol NOW:** for individuals (from absolute beginners to professionals) and bespoke training options for salons available upon request.

**Tel:** 020 8144 1720 / 075 3003 8547.

**Web:** <http://abundancecentre.org/hairscience>