

Enhancing Science & Maths Learning Through Creative Cultural Arts



abun**DANCE**
in Schools

Relax... let's play.

PEOPLESCIENCE
INTELLIGENCE UNIT





Introduction

Good morning, good afternoon.

I am Astehmari, my colleagues and I will soon embark on a landmark **creative learning tour of UK schools** and we'd love to visit you. We are teachers of cultural arts working with a ground breaking pedagogy (Unifiedknowledge) that facilitates the learning of core science and maths ideas through the various cultural arts we educate with.

Having worked in many primary and secondary schools as well as communities nationally so we appreciate how the teaching profession can too often feel and be boxed in. On this tour we hope to share with you and your learning communities some fresh ideas, techniques and processes that come from outside the box.

I know you are busy so i'll resist pages of passion for our unified approaches of learning in the hope that this very concise introduction to our UK Tour will stimulate your interest to the point where we can have a brief chat about the various ways that we may be of service during our tour programme which runs from **February to June 2016**. This time we'll be focusing our limited opportunities to share best practice in **London, Birmingham and Manchester**, we will however also remain open to facilitating **bespoke In-house teacher training** for schools nationwide and also have a great range of **workshops for your pupils** too.

Have a look at this tour outline and let's have a brief chat soon.

Kind regards,

Astehmari Batekun

Executive Member

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Principal Teacher

Schools Of Unified Learning (SOUL)

www.mathsdance.co.uk

www.unifiedknowledge.org

www.youtube.com/unifiedknowledge

Workshops for School Teachers & Learning Assistance:

- **Teaching Maths (& Science) Through Dance:**

Course Reference: [Maths-Sci-Dance](#)

For maths teachers, dance teachers and everyone in between. Educators will be taught how we facilitate our “Transformation of Winchi” workshop. (see page 7)

- **A complete summary introduction to the Unifiedknowledge pedagogy:**

Course Reference: [Total-Pedagogy](#)

How Traditional World Cultures teach core ideas of science & maths through cultural arts.

Why learn about alternate pedagogies from other cultures?

Defining the Unifiedknowledge pedagogy and exploring how it works in schools and communities?

- **Teaching Maths (& Science) Through the Drum:**

Course Reference: [Maths-Sci-Drum](#)

Learn the proper path to mastering number through our unique binary drumming technique. Educators will be taught how we facilitate our “I Count Too – Binary Drumming” workshop. (see page 8)

Creativity in Teacher Training – National Schedule of Workshops:

February 2016	Monday 20 th	Wednesday 22 nd	Thursday 23 rd
Region:	London	Manchester	Birmingham
Course Ref:	Maths-Sci-Dance	Maths-Sci-Drum	Total-Pedagogy

March 2016	Monday 7 th	Wednesday 9 th	Thursday 10 th
Region:	London	Birmingham	Manchester
Course Ref:	Total-Pedagogy	Maths-Sci-Drum	Maths-Sci-Dance

* We have additional programmes and special projects around **British Science Week** 2016 (11th - 20th March). We are working closely with the **British Science Association** to help enhance the diverse face of science in the UK and make **STEAM** subjects much more accessible to the majority of learners by realising their natural synergies.

May 2016	Monday 23 rd	Wednesday 25 th	Thursday 26 th
Region:	Birmingham	Manchester	London
Course Ref:	Maths-Sci-Dance	Total-Pedagogy	Maths-Sci-Drum

June 2016	Monday 13 th	Wednesday 15 th	Thursday 16 th
Region:	Manchester	Birmingham	London
Course Ref:	Maths-Sci-Drum	Maths-Sci-Dance	Total-Pedagogy

Cost per delegate per session is just £270.

Contact us for further info and to explore group discounts:

Call: 020 8144 1720 or 075 3003 8547

Email: learning@abundancecentre.org

Bespoke In-house Training for Your School

Every school is different so why should all the training be the same? Or perhaps the open session dates scheduled above are not practical for your school.

- Our in-house training service allows you as much flexibility as you need, whether you're looking to have an existing course delivered in your school or if you want something completely customised.
- Have your training on whatever topic you want, or choose one of our existing courses and let us tailor it to meet your exact needs.
- Train groups of staff on important topics cost effectively and at the most convenient time for you.
- Satisfaction guaranteed - 99% of clients rate our courses as Very Good or Outstanding.

Contact us for further information:

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Our Workshops for School Pupils:

● Transformations of Winchi

Maths taught through dance

– the African Crowned Crane bird in rotation, reflection, enlargement and translation – Transformational studies.

In this our most popular **abunDANCE in Schools** workshop we dance like birds (Winchi, the African Crowned Crane), exploring closely how our **dance movements** and gestures express the **mathematical ideas of transformations** and other interrelated principles / themes. We work through and practice physical and mental exercises that build determination and **mind-breath-body harmonisation**. Then, as a grand finale, we bring it all together for the great show, the part of our dance programme we call The Ngoma; bringing principles and free creative expression together naturally in **abunDANCE**.

● Making Patterns – Fun-da-Mental Points (lines, and angles too)

Relating dance movements to fundamental maths ideas gives a stronger internal foundation for young people to build mathematical insight, creativity and enjoyment.

● Introducing the Art of Mathematics – Part 1

Mathematics viewed from cultures panAfrica – its simple and omnipresent. Learning the Mathematician's Charter – Keywords explored; observe, record, enjoy, estimate, calculate, forecast, visualise.

● Reasoning and the Art of Mathematics – Part 2

Principled visualisation, the greatest purpose of maths. Helping young people value mathematical reasoning, language and empowerment.

● Number, Measure and Ratio – the old school classics

These three mathematical ideas have a special depth that when explored can be found to bind many other aspects of maths, the sciences, the arts, nature and general lifeskills studies. There is a great and liberating value when gaining consciousness and competence in them. We explore these old school classics from refreshingly diverse cultural view points.

● I Count Too – Binary Drumming

Counting with one hand, counting with two things. Looking at music, language and number in a deeper way we explore an ancient basis of drum language. Alternate ways of counting combined with rhythmic harmony development make a great way to enhance the value and utility of number. Often students of maths are pushed forward without having grasped the answer to the second foundational question of mathematics; What is number? Through this workshop/programme your cohorts will come to know (experientially) that **number is a tool of perception**, they will learn this with all the other foundational principles of number that are critical to successful future progress. Too often this is never taught in the early stages when it is most needed (by the child) to help them sustain self-confidence and interest in maths.

● Special Powers in the Hands of Children

5 important conversations on power that every child should know, supported by interactive explorations into the meaning of peace development and the realisation of wisdom. Core mathematical ideas as they relate to harmony, energy, work, power and wisdom. Becoming an advance learner.

● गजतः Gzat: The Province of One

Introducing foundational maths principles of space through cultural metaphor. Drawing (visual art) and warrior dance movements combined enhances this multi-sensory learning.

● Valuing the Quest for Truth

Ancient views of maths saw a unity of mathematical “truths” with personal and social character development, ethics and justice. Exploring the educative culture of the world’s oldest recorded mathematical geniuses and natural philosophers.

Transformations of Winchi
- Guidance for Learners -
amj@valKnowledge @ your learning centre

Today we are going to experience an introduction to the cultural art of **dankira behwagi** (Dankira dance) using the **valKnowledge** (val) or visual art approach to learning where art and the core idea of mathematics meet in one form. Our art is an ancient heritage.

Nature loves cycles, spirals and rotations. It uses these principles endlessly in the creation of various living patterns and forms. For example in the movements of the planets, the movement of electrons in an atom or the spiraling growth patterns of many plants. In **Dankira behwagi** we also use circles, cycles, spirals and rotations.

In the study and practice of mathematics One finds these principles grouped with the principles of **transformation, reflection and engagement**. These are all principles of transformation with the help of **Winchi**, the graceful Crane.

Our Objective Today:

- To love and cherish our language associated with various types of mathematics concepts, reflection and engagement.
- To understand the principles of mathematics and other principles associated to it.
- To be able to represent patterns and movement of Winchi (the crane) using the principles of mathematics and geometry.
- To learn to use the help of Winchi's pattern of movement within the **Behwagi** (warrior dance).

Brilliance
@ Your Learning Centre (UK)
Inspired by the culture of the world

- Making Patterns - Fun and Visual Patterns (One, two and angles)**
Being able to create fun and visual patterns that give a stronger internal foundation for your people to build mathematical insight, creativity and confidence.
- Introducing the Art of Mathematics - Part 1**
Mathematics is not just numbers and symbols. It is a way of thinking, a way of seeing the world. Mathematics is a way of seeing the world. Mathematics is a way of seeing the world. Mathematics is a way of seeing the world.
- Number, Measure and Ratio - the old school classics**
These three mathematical ideas have a special story. But when you look at the story that is a different story. It is the story of the world. It is the story of the world. It is the story of the world. It is the story of the world.
- Counting with one hand - counting with two things**
Looking at space and number in a deeper way we explore an ancient basis of drum language. Alternate ways of counting combined with rhythmic harmony development make a great way to enhance the value and utility of number.
- Special Powers in the Hands of Children**
5 important conversations on power that every child should know, supported by interactive explorations into the meaning of peace development and the realisation of wisdom. Core mathematical ideas as they relate to harmony, energy, work, power and wisdom. Becoming an advance learner.
- Transformations of Winchi**
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- Winning the Quest for Truth**
Ancient views of maths saw a unity of mathematical "truths" with personal and social character development, ethics and justice. Exploring the educative culture of the world's oldest recorded mathematical geniuses and natural philosophers.

See StemDirectories.org for more info

Booking details:

Cost per delegate per session is £270.

Programmes may be adaptable by pre-arranged delegate consensus:

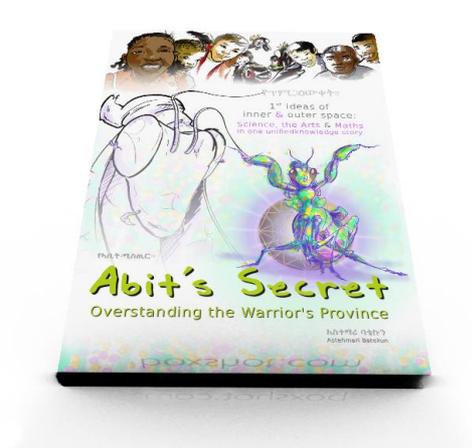
Hotel / Training centre

Training days will be from 10am to 4pm.

The hotel / training centre hasn't been confirmed yet, but rest assured you'll be in very comfortable surroundings with a range of snacks, refreshments and a minimum of a 2-course hot sit down lunch.

Facilitator:

This educational tour will be led by **Astehmari Batekun**, Principal Teacher for **Schools Of Unified Learning**; <https://uk.linkedin.com/in/astehmaribatekun>. With over twenty years of creative teaching practice you are in the hands of great experience and one who is renowned for his pioneering and highly effective competencies. Astehmari is also the author of a newly published ground breaking educational book "**Abit's Secret**"; this book reveals a new creative and integrated way to learn the first key ideas of inner and outer "space"; Once again Science, the Arts & Maths are made naturally unified fun for all. Find out more about the book at AbitsSecret.co.uk. (the book covers all of these key stage areas).



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