Enhancing the Learning Culture of Mathematics Undergraduates

Dr Chinny Nzekwe-Excel; Makhan Singh; Dr Suki Phull: nzekweec@aston.ac.uk; m.singh@aston.ac.uk; s.phull@aston.ac.uk

Rationale & Aim: With increasing student fees, organisational pressures, and greater demand from a multi-cultural & diverse student population, HEIs constantly explore strategies that will increase student engagement as well as progress students’ learning experience.

Three Engaging Initiatives were implemented to complement formal teaching & consolidate the learning process of Mathematics Students at different levels.

- Collaborative contribution of Mathematics Staff & Students in the 2014 Fair.
- Student-led Interactive Mathematics outreach activities.
- Improved communication & sense of community between staff and students
- Transferrable & employability skills enhanced

Current Outcomes:

- Improved communication & sense of community between staff and students
- Transferrable & employability skills enhanced

Student and Staff Voices - Reflection on Initiatives:

- “gave me confidence to communicate mathematics to the general public”
- “these skills can’t be learnt in the lectures”
- “bonding with students of different years”
- “applying Mathematics to the real world”
- “having something to look forward to every Wednesday”

- Embedded Mathematics Alumni talks into Module
- Subsequent assessment of students on relevance of Mathematics in the real world.
- Student/ peer support
- Peer-working culminating in Poster Competition ceremony