



ST ANDREW'S COLLEGE



THE DIOCESAN SCHOOL  
FOR GIRLS

# The Mathematics Centre

**The Mathematics Centre of St Andrew's and DSG is pleased to invite you to a series of exciting workshops and seminars by two highly influential international Mathematics Educators**



Anne Watson is a Professor of Mathematics Education at Oxford University.

Anne has a wealth of experience in teaching, lecturing and research in the field of Mathematics Education. She is widely published and sits on several editorial boards for Mathematics Education journals across the globe including on the editorial board of our AMESA journal Pythagoras.

More recently Anne has been involved in the Changes in Mathematics Teaching Project which involved three schools working to change the way they teach in order to help students and especially low attaining students to learn more mathematics (see <http://www.cmtmp.co.uk/> ). Anne (together with John Mason) also runs an annual institute of Mathematics Pedagogy in Oxford.



John Mason is a Professor of Mathematics education at the Open University. Here he has led the Centre for mathematics Education for fifteen years (which produced the influential Routes-to Roots – of Algebra and numerous other collections of influential teacher materials). He has also published widely and wrote Thinking Mathematically (with Leone Burton & Kaye Stacey) which is a classic read for working with advanced high school students and undergraduate students.

**When:** *Friday 22nd May 2:30 – 5:30 pm & Saturday 23rd May 9-1pm  
(tea & light lunch on Saturday included)*

**Venue:** *Schonland lecture theatre, St Andrews College, off Somerset Street*

**RSVP:** *Mellony Graven on [m.graven@sacschool.com](mailto:m.graven@sacschool.com) or sms on 082 334 5299*

**PTO FOR THE PROGRAM**

# PROGRAM

## Friday 22nd May

**2:30 pm:** Welcome and Tea

**3:00 pm - 4:00 pm:** Anne Watson seminar: Working with low attaining learners

**4:00 pm - 4:30 pm:** Tea

**4:30 pm – 5:30 pm:** John Mason seminar: Working with patterns and generalizations.

## Saturday 23rd May

**9:00 - 11:00 am:** John Mason workshop

Learner Generated Examples: Strategies for engaging and provoking learners to enrich their appreciation of mathematical concepts. The workshop will focus on the importance of understanding the interconnectedness and structure of mathematical concepts for engaging and provoking student learning. Participants will be invited to construct examples for themselves in ways that can be used with learners.

**11am:** Tea

**11:30 - 1:00 pm:** Anne Watson workshop

Dancing with 20; connecting number relations and algebra:  
Some hands-on and feet-on ways to help learners focus on number relations and hence understand more of what early algebra is about.

**1pm – 2pm:** Light finger lunch

We look forward to seeing you there and working with you!

Regards,

Mellony Graven

Director of the Mathematics Centre, DSG and St Andrews  
Honorary Professor, Marang Centre, Wits University