

Further Information For Candidates

Mathematics Faculty

Mathematics Vision Statement

Within Mathematics we consistently prioritise learning and teaching and its continuing development. Our particular strengths include embedding collaborative learning into everyday practice and using it to create an engaging learning experience while facilitating effective formative assessment.

Our vision is to develop independent, curious learners who take responsibility for their own learning through successful, well-structured tasks that support and challenge students.

A Journey of Mathematical Discovery

Purposeful collaboration + Fostering curiosity = Problem solving for independence

The Maths Team

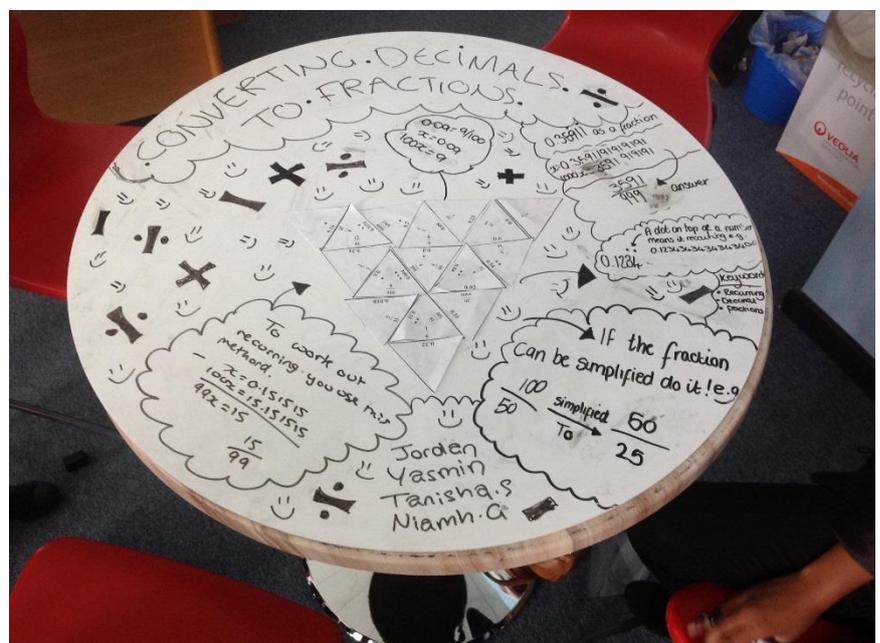
Victoria McManus	Principal Leader of Learning/Assistant Headteacher
Rachel Anderson-Shore	Assistant Principal Leader of Learning
Narsh Srikanthapalan	Maths SLE
Stuart Gardiner	Aspiring Lead Learning Practitioner
Amy Ludgate	Teacher of Maths (with responsibility for leading year 9)
Sunera Nawab	Teacher of Maths (with responsibility for supporting leadership of KS5)
Anna Maciag-Hodgkinson	Teacher of Mathematics
Diane Adams	Teacher of Mathematics
Claire Geddes	Teacher of Mathematics
Marie Wears	Teacher of Mathematics
Antonia Peters	Teacher of Mathematics (on Maternity leave)
Catherine Baynes-Clarke	Teacher of Mathematics
Oliver Riding	Teacher of Mathematics
Liz Morris	Mathematics HLTA
Paul Urwin	Maths Intervention
Jake Wood	Trainee Teacher
Charles Etough	Trainee Teacher

There is a fantastic group spirit within the faculty which means we have a vibrant and strong team that works closely together to further learning and teaching and support each other. This is a dynamic working environment, where we strive to build on current progress. The professional development of staff is a high priority, with the leadership and training status of Caludon allowing for frequent internal inset.

Mathematics Accommodation

The Mathematics Faculty is situated on the second floor. Each of the Mathematics classrooms has an interactive whiteboard and access to the internet. We have a well-equipped work room for the faculty. A dedicated computer suite of 24 networked computers is situated in one of the Mathematics classrooms and we also have a suite of iPads. We have invested in a full range of curriculum software including which provide a breadth of resources to work from. This is constantly reviewed and updated.

Through discussions with Maths' staff and student ambassadors the faculty has had the opportunity to transform three classrooms into creative learning environments. These rooms contain circular tables with whiteboard tops on them. One set of tables is high and two regular table height. Two of the rooms also contain a 5 metre whiteboard along the back wall in order to further facilitate creative and co-operative learning.



Curriculum

Students are grouped according to ability in years 7 to 11. There are 9 groups in Year 7, 8 and 9, split into 3 bands. In Year 10 and 11 there are 10 groups, split into 2 bands. We currently teach 3 one hour lessons per week to years 7 and 4 one hour lessons to years, 8, 9, 10 and 11.

In Year 9, students will start the Edexcel GCSE Linear course with all students certificating at the end of Year 11. Spreading the scheme over 3 years ensures depth of understanding.

The accelerated key stage 3 curriculum includes a variety of applied mathematics tasks integrated into a scheme of learning with a strong focus on developing fluency and reasoning within mathematics.

The reputation of the Mathematics department is also reflected in the significant uptake of AS and A2 Mathematics. In addition we also teach Further Mathematics and Core Mathematics. Our students consistently achieve impressive results at all levels.

Learning and Teaching

There is a strong emphasis within the faculty of developing the mathematical thinking of all our students. We have two Leaders of Learning in the faculty who are also part of the whole school Leaders of Learning team which meets regularly to exchange ideas and discuss different teaching strategies. It is a lively, exciting and innovative forum, and popular with all in the team who wish to develop their range of teaching styles. The significant strength of the Mathematics faculty as an innovator for learning and teaching has been recognised externally by the accreditation as a Lead Learning Faculty, with two accredited Lead Learning Practitioners and a number of Aspiring Lead Practitioners within the faculty.

Extra Curricular

The Mathematics Faculty enriches students' experiences in a variety of ways. They have the opportunity to enter Mathematics Challenge Competitions in all year groups and post 16. We are also developing teams to enter the group Maths Challenge competitions at post-16.

Booster classes and post-school revision clubs are offered to all year groups. Members of the team also offer additional support to KS4 students who need help with revision for examinations. We have an extensive intervention programme for students sitting their GCSEs.

In addition representatives from the Mathematics faculty have lead roles in the running of the STEM club in conjunction with Science. The STEM club is targeted at high attainers in Years 8 and 9 and runs a variety of projects, this has included a trip to Iceland and regular entry into the National Lego League

Staff Testimonials

Rachael Anderson-Shore

I completed my teacher training at Caludon Castle School. I am now in my sixth year of teaching and I have progressed into the role of Assistant Principal Leader of Learning for Mathematics where I aid the Faculty leader in the strategic, operational and day to day development of the Mathematics department. I am largely involved in identifying key priorities for curriculum planning which feeds into developing schemes of learning and summative assessments for KS3.

In addition, I liaise with a number of feeder primary schools to facilitate level 6 enrichment for HA Year 6 students. I co-lead on development of great learning and teaching within the department along with the quality assurance process of this, such as learning walks, work scrutinies and evaluation of learning plans. As a Leader of Learning, I have a whole school responsibility for Numeracy across the Curriculum, as well as leading 'Explanation' as part of a whole school Learning and Teaching initiative. In this role, I deliver and facilitate training and support for all members of staff, in line with the school's learning and teaching priorities."

There has been a strong emphasis on developing and maintaining outstanding Learning and Teaching throughout my experience at Caludon Castle which has continued to enthuse and develop my practice. In addition, there has been wide scope for professional development with a range of opportunities available. Only by working within such a motivational and inspiring department and school do I think my aspirations have come to fruition



Oliver Riding

I started at Caludon as a trainee and have progressed through being an NQT and now have several responsibilities within the faculty. Caludon's active and engaging approach to mathematics teaching, along with its implementation and use of technology have ensured that my professional development has been rewarding, beneficial and truly enjoyable.

The presence of so many outstanding teachers and mentors has helped encourage and support me to be the best teacher possible. This is a school that encourages excellence in its staff (through the CPD offered and the opportunities to progress and take on responsibility) as well as its pupils.



Vic McManus

During my time at Caludon I have been involved in a range of roles and experiences that have contributed to my continuing development as a teacher and leader. I have been accredited as a Lead Learning Practitioner and now hold the position of Principal Leader of Learning allowing me to contribute to the development of learning and teaching in both Maths and across the school. Great learning and teaching is what drives the unique philosophy of the faculty and ensures that we are continually developing as a team.

