Characteristics of a More Able and Talent Student in Mathematics

★ Considers the elegance and efficiency of alternative lines of enquiry or procedures.
★ Develops individual non-standard methods for solving problems.
★ Sees the implications of concepts quickly but may complicate problems by thinking of other implications or restrictions.
★ Connects different branches of maths and applies them creatively.
★ Examines the strategies adopted when using mathematics to analyse tasks.
★ Includes mathematical justifications and explains their solutions to problems involving a number of features or variables.

How we support More Able and Talent Students in Mathematics

★ Providing the opportunity and support to take part in the UKMT maths junior, intermediate and senior maths challenges.
★ Supporting students in the progression to the Kangaroo and Olympiad UKMT competition stages.
★ Taking students to compete in the UKMT team maths competitions in Bristol and the surrounding area.
★ Developing the Aim High Booklets with wealth of information in terms of engaging and challenging maths tasks and ideas and how to access the best web-based material.
★ Advertising of University webinars and maths talks.
★ Using AMSP (Advanced maths support programme) resources and accessing events for students.
★ STEM club
★ Career trips e.g., visiting Engineering Consultancy.
★ Celebrating the achievements of students in the Maths Presentation Evening.
★ Organising external speakers to provide thought provoking maths talks.

How you can support More Able and Talent Students at home

★ Access the information on Aim High Booklet
★ Use the links to enrichment tasks and challenging problems.
★ Become immersed in the application and magic of maths and algebra.
★ Encourage reading and puzzling from book recommendations.
★ Use the podcast and online resource information highlighted in the aim high booklet.
★ Research the history of mathematicians and their impact on the world.
★ Look into the future career options for maths.
★ Talk about maths.