Characteristics of a More Able and Talent Student in Computing and ICT

★ Students who demonstrate a Computing and ICT capability significantly above that expected for their age for example, key stage 3 pupils may be comfortable meeting the demands of the key stage 4 curriculum.
★ Students who learn and apply new computing and ICT techniques quickly such as integrating applications to achieve a specified outcome
★ Students who can transfer and apply Computing and ICT skills and techniques confidently in new contexts
★ Students who can explore independently beyond the given breadth of a Computing and ICT topic
★ Students who can initiate ideas and solve problems, using ICT effectively and creatively to develop systems that meet specified needs

How we support More Able and Talent Students in Computing and ICT

★ Set extension tasks that avoid repetition - extension work should encourage pupils to pursue a greater depth of understanding of the subject or to apply their Computing and ICT skills in new contexts, including other subjects
★ Challenge students about their approach to a task, in order to encourage them to justify their choices and try out alternative approaches
★ Encourage students to discuss the suitability of different approaches, the tools to be used, and the range of possible outcomes
★ Encourage students, as they are developing their ICT systems, to look for opportunities to develop greater efficiency, including automation of processes, and to consider where levels of integration can be increased
★ Use a variety of challenging questioning strategies to encourage students to draw on previous experiences and to apply their thinking to new situations
★ Encourage students to refine their product by reviewing and evaluating the process undertaken, the ICT tools used, and the effectiveness of the end product in meeting the specified needs of the task

How you can support More Able and Talent Students at home

★ Watch educational and current affairs programmes related to the use of Computing and ICT in society and discuss them
★ Encourage your child to keep up to date with the latest technological developments
★ Encourage the use of online resources to support the development of skills in the use of application software, coding and creative computing
★ Discuss and debate topics related to developments in technology and the potential impact they have on individuals, society and the wider world
★ Share your experiences and application of technology at home and in the workplace including how this has changed over time
★ Discuss homework and school work