

The Computer Science Department Pillars of Curriculum Intent

In order to develop students that can SHINE brightly in Computer Science we will:

Develop disciplinary literacy

- Investigate links between words and their composite parts
- Use activities to engage students with developing use of key terminology
- Carefully select the vocabulary to teach and focus on

Use effective feedback

- Use feedback to investigate knowledge and understanding
- Provide feedback regularly and on specific pieces of work
- Provide feedback as comments and provide meaningful opportunities to respond to feedback

Model practical work

- Use modelling to develop a deeper understanding of software applications and coding
- Use worked examples to enable analysis and the use of different strategies for coding
- Provide examples and non-examples of concepts

Develop strategies for solving problems

- Encourage reflection and communication on problem solving methods
- Use and compare different methods and strategies to solve problems
- Use a variety of problem solving to create solutions for unfamiliar situations

Develop independence to create solutions

- Encourage students to find solutions to problems using own research and skills
- Encourage students to take risks when coding to make mistakes to learn how to correct errors
- Encourage resilience when developing solutions

Provide authentic experiences

- Provide opportunities for students to engage in real-life experiences
- Use projects, tasks and activities that include open-ended inquiry, development of thinking skills, and metacognition