



## SMSC curriculum links

### Computing and online safety

#### **Computer Science (Programming and Algorithms)**

##### **Spiritual:**

Encourage pupils to marvel at the complexity and logic behind algorithms and programming.

Foster creativity by allowing pupils to design their own programs or games.

##### **Moral:**

Discuss the ethical implications of programming, such as creating software that respects privacy or is free from bias.

Reflect on the importance of honesty and integrity when creating and using algorithms.

##### **Social:**

Promote teamwork in collaborative coding projects.

Encourage peer feedback and support when debugging and refining programs.

##### **Cultural:**

Highlight the global nature of programming and its role in connecting people worldwide.

Explore contributions to computer science from diverse cultures and individuals, such as Ada Lovelace or Alan Turing.



## Digital Literacy (Using Technology Effectively)

### Spiritual:

Reflect on how technology enhances creativity, innovation, and the ability to communicate with others.

Explore how technology can help solve problems and improve lives globally.

### Moral:

Discuss the responsible use of technology, including avoiding misuse or harm (e.g., cyberbullying).

Reflect on ethical issues like digital plagiarism or sharing false information.

### Social:

Promote collaboration by using shared digital tools for group projects.

Discuss how technology can build connections but also create social challenges, such as screen time management.

### Cultural:

Explore how digital tools are used differently across cultures and regions.

Highlight global initiatives that use technology for positive change, such as bridging the digital divide.

## Online Safety

### Spiritual:

Reflect on the power of the internet to connect people, share ideas, and inspire creativity.

Encourage mindfulness about how online interactions impact well-being.

### Moral:

Discuss ethical behavior online, such as respecting others' privacy, avoiding cyberbullying, and using kind language.



Highlight the importance of truthfulness and integrity when sharing information online.

**Social:**

Encourage discussions about the impact of online behavior on friendships and relationships.

Teach pupils how to navigate social media responsibly and positively.

**Cultural:**

Explore how online safety concerns vary across cultures and communities.

Highlight international efforts to promote a safer internet, such as Safer Internet Day.

**Information Technology (Collecting, Organising and Presenting Data)**

**Spiritual:**

Reflect on the power of data to reveal patterns and solve real-world problems.

Encourage pupils to use data to support positive initiatives, such as environmental conservation.

**Moral:**

Discuss the ethical use of data, including respecting confidentiality and avoiding manipulation.

Reflect on the importance of accuracy and honesty when collecting and presenting data.

**Social:**

Promote collaboration in data collection and presentation activities, fostering teamwork.

Explore how data is used to make decisions that affect communities, such as public health or education.



### **Cultural:**

Study how data is used globally to address challenges like poverty or climate change.

Explore how technology helps preserve and share cultural heritage through data storage.

### **Creative Content Creation (Multimedia and Digital Art)**

#### **Spiritual:**

Reflect on the creative potential of technology for expressing ideas and emotions.

Encourage pupils to appreciate the beauty and impact of digital creations.

#### **Moral:**

Discuss issues like copyright, intellectual property, and respecting others' creative work.

Reflect on how technology can be used to share positive and inspiring messages.

#### **Social:**

Promote group projects in creating multimedia content, such as videos, animations or presentations.

Encourage sharing and celebrating each other's creative work.

#### **Cultural:**

Explore digital art and media from different cultures, highlighting diverse artistic traditions.

Encourage pupils to use digital tools to explore and celebrate their own cultural heritage.



## **Problem-Solving and Logical Thinking**

### **Spiritual:**

Reflect on the sense of achievement and fulfillment from solving complex problems.

Encourage curiosity and perseverance when tackling challenging tasks.

### **Moral:**

Discuss the importance of fairness and avoiding shortcuts or dishonest practices when solving problems.

Reflect on the implications of using technology to solve societal issues.

### **Social:**

Promote teamwork in solving logical problems and creating solutions collaboratively.

Discuss how logical thinking supports good decision-making in group settings.

### **Cultural:**

Explore problem-solving approaches from different cultures and their impact on technology development.

Discuss how global collaboration drives technological innovation.

## **Understanding the Internet and Networks**

### **Spiritual:**

Reflect on the interconnectedness of people around the world through the internet.

Explore how networks enable the sharing of knowledge and ideas on a global scale.



### **Moral:**

Discuss the ethical implications of data sharing, including privacy and consent.

Reflect on the responsibilities of being a global digital citizen.

### **Social:**

Explore the positive and negative social impacts of connectivity, such as collaboration versus online conflict.

Discuss the importance of kindness and respect in online interactions.

### **Cultural:**

Study the development of the internet and contributions from diverse cultures and countries.

Explore how access to networks varies globally and its impact on education and opportunity.

## **Robotics and Emerging Technologies**

### **Spiritual:**

Reflect on the potential of emerging technologies to solve problems and improve quality of life.

Encourage pupils to think about the future possibilities of robotics and AI.

### **Moral:**

Discuss the ethical use of robotics and AI, including potential impacts on employment and society.

Explore the importance of designing technology with fairness and inclusivity in mind.

### **Social:**

Promote collaboration in designing and programming robots, emphasizing teamwork.



Discuss how robotics is used to address social issues, such as disaster relief or accessibility.

**Cultural:**

Highlight global advancements in robotics and AI, showcasing diverse contributions.

Explore how robotics is used in different cultural contexts, such as manufacturing or healthcare.