CAPA- KS3 Homeschooling Curriculum

Qur'an Curriculum

Year 1
- Memorisation: Juz 26 - 30

Year 2
- Memorisation: Juz 20 - 25

Year 3
- Memorisation: Juz 15 - 19

Year 4
- Memorisation: Juz 10 - 14

Year 5
- Recitation: Juz 6 - 9

Year 6
- Recitation: Juz 1 - 5

Essential Exam Skills Across All Years
- Have a good schedule to recite the Holy Quran.
- Don't recite the Quran one day and leave it another day.
- You should recite the Quran regularly.

Level 1: Introduction to Arabic

Familiarise children with Arabic sounds, letters, and basic phrases through interactive and playful activities.

1. **Arabic Alphabet**

    - Introduction to Arabic letters and their sounds

    - Recognising and writing letters through games and songs

2. **Basic Greetings and Introductions**

    - Common greetings (e.g., Hello, Goodbye)

    - Simple self-introductions (name, age)

3. **Basic Vocabulary**

    - Numbers 1-10

    - Colours and basic shapes

4. **Simple Sentences**

    - Constructing basic sentences (e.g., "I see a cat.")

    - Using simple verbs and nouns

5. **Interactive Activities**

   - Sing-along songs and rhymes

   - Alphabet puzzles and matching games

Activities:

   - Letter tracing and flashcards

   - Role-playing simple greetings

   - Colour and shape recognition games

Level 2: Early Communication

Build foundational communication skills with simple sentences and vocabulary related to daily activities.

1. **Daily Routines**

   - Vocabulary related to daily activities (e.g., eat, sleep, play)

   - Describing daily routines using simple sentences

2. **Family and Friends**

   - Names and relationships (e.g., mother, father, friend)

   - Simple sentences about family members

3. **Basic Questions and Answers**

   - Asking and answering questions (e.g., "What is your name?")

   - Practice with yes/no questions

4. **Storytelling**

   - Simple stories with pictures

   - Retelling stories using basic vocabulary

5. **Interactive Activities**

   - Drawing and labelling family members

   - Daily routine role-plays

Activities:

   - Creating a family tree and describing family members

   - Acting out daily routines

   - Listening to and retelling simple stories

Level 3: Expanding Vocabulary and Sentences

To enhance vocabulary and construct more complex sentences for effective communication about familiar topics.

1. **Food and Drink**

   - Vocabulary related to food and drinks

   - Constructing sentences about favourite foods

2. **Places and Objects**

   - Vocabulary for common places (e.g., school, park) and objects

   - Describing locations and objects

3. **Feelings and Emotions**

   - Words for emotions (e.g., happy, sad, tired)

   - Expressing feelings using simple sentences

4. **Simple Conversations**

   - Engaging in basic dialogues about interests and activities

   - Asking about and describing likes and dislikes

5. **Interactive Activities**

   - Food and drink role-plays

   - Emotion charades and discussion

Activities:

   - Creating a menu and talking about favourite foods

   - Role-playing visits to different places

   - Discussing feelings through stories and images

Level 4: Intermediate Communication

To develop the ability to discuss various topics and use more descriptive language in conversations.

1. **Hobbies and Interests**

   - Vocabulary for hobbies (e.g., sports, drawing)

   - Talking about favourite activities and why

2. **Weather and Seasons**

   - Vocabulary related to weather and seasons

   - Describing the weather and seasonal activities

3. **Comparisons and Descriptions**

   - Using comparative language (e.g., bigger, smaller)

   - Describing people, places, and objects in detail

4. **Storytelling and Imagination**

   - Creating and sharing simple stories

   - Using imagination to describe scenarios

5. **Interactive Activities**

   - Hobbies and interests presentations

   - Weather-themed games and activities

Activities:

- Sharing stories about favourite hobbies

- Describing and comparing objects or animals

- Weather-related role-plays and games

Level 5: Advanced Conversation

To engage in more complex conversations and express ideas with greater clarity and detail.

1. **Travel and Adventure**

   - Vocabulary related to travel (e.g., trip, passport)

   - Describing places visited and adventures

2. **Problem-Solving and Solutions**

   - Discussing simple problems and possible solutions

   - Using phrases for negotiating and resolving issues

3. **Cultural Awareness**

   - Introduction to Arabic-speaking cultures and traditions

   - Discussing cultural practices and holidays

4. **Creative Projects**

   - Creating projects such as posters or presentations on various topics

   - Sharing and explaining projects in Arabic

5. **Interactive Activities**

   - Travel role-plays and adventures

   - Cultural games and storytelling

Activities:

   - Planning and presenting a virtual trip

   - Creating and sharing a cultural project

   - Engaging in problem-solving scenarios

Level 6: Proficiency and Fluency

To achieve a high level of fluency, allowing for detailed conversations and creative expression in Arabic.

1. **Detailed Discussions**

   - Engaging in detailed discussions on various topics (e.g., school projects, plans)

   - Using complex sentences and varied vocabulary

2. **Creative Expression**

   - Writing and presenting short stories, poems, or skits

   - Engaging in debates and expressing opinions

3. **In-depth Cultural Exploration**

   - Exploring Arabic history, geography, and famous figures

   - Participating in cultural activities and projects

4. **Real-world Application**

   - Practising language skills in real-life scenarios (e.g., shopping, ordering food)

   - Organizing and participating in role-played events

5. **Interactive Activities**

   - Creating and performing a play or skit in Arabic

   - Participating in cultural festivals or events

Activities:

   - Presenting a project on a chosen topic

   - Writing and performing a short skit or play

   - Organizing a cultural event or festival

Essential Exam Skills Across All Years

- Focus on interactive listening by engaging with Arabic stories and practice repeating phrases to improve pronunciation.
- Building vocabulary can be fun with colourful flashcards and vocabulary games like memory matches.
- Regular speaking practice through role-plays and conversations with family helps reinforce language skills.
- Encourage reading simple Arabic books and writing short sentences to develop reading and writing abilities.

English

The English curriculum for primary school students focuses on key areas of literacy development, including reading, writing, speaking, and listening.

Year 1

Reading:
- **Phonics and Decoding:**
  - Develop phonemic awareness and blending skills.
  - Introduce and practice common grapheme-phoneme correspondences (GPCs).

- **High-Frequency Words:**
  - Recognize and read common sight words (e.g., 'the,' 'and,' 'it').

- **Comprehension:**
  - Begin to understand simple stories and texts.
  - Identify main characters and settings.

Writing:
- **Basic Writing Skills:**
  - Form letters correctly and write simple words and sentences.
  - Use capital letters and full stops.

- **Sentence Formation:**
  - Construct simple sentences with basic punctuation.

Spelling and Grammar:
- **Spelling:**
  - Spell common CVC (consonant-vowel-consonant) words.

- **Grammar:**
  - Understand basic sentence structure (subject-verb-object).
  - Use nouns, verbs, and adjectives in sentences.

Speaking and Listening:
- **Oral Communication:**
  - Listen to and retell stories.
  - Join in discussions and share ideas.

Year 2
Reading:
- **Phonics and Reading Fluency:**
  - Continue developing phonics skills, including digraphs and trigraphs.
  - Read aloud with increasing fluency and expression.

- **Comprehension:**
  - Understand simple texts and answer questions about them.
  - Identify main events and characters in stories.

Writing:
- **Extended Sentences:**
  - Write sentences that are joined with conjunctions (e.g., 'and,' 'but').

- **Narrative Writing:**
  - Write short stories and descriptions using sequence words (e.g., 'first,' 'then').

Spelling and Grammar:
- **Spelling:**
  - Spell common two-syllable words and basic homophones (e.g., 'to,' 'too').

- **Grammar:**
  - Use punctuation marks consistently (full stops, question marks, exclamation marks).
  - Recognize and use plural forms.

Speaking and Listening:
- **Discussion Skills:**

- Participate in discussions, offering and responding to ideas.
Year 3

Reading:
- **Reading Comprehension:**
  - Read and understand a range of texts, including simple chapters.
  - Use inference to understand characters' feelings and motives.

- **Vocabulary Development:**
  - Learn and use new vocabulary in context.

Writing:
- **Paragraphs:**
  - Write longer pieces with paragraphs, including clear topic sentences.

- **Creative Writing:**
  - Write narratives and descriptive pieces, using more varied sentence structures.

Spelling and Grammar:
- **Spelling:**
  - Spell words with common prefixes and suffixes (e.g., 'un-,' '-ing').

- **Grammar:**
  - Use past and present tense consistently.
  - Identify and use different sentence types (statements, questions, commands).

Speaking and Listening:
- **Presentation:**
  - Present ideas and information clearly to the class.

Year 4

Reading:
- **Reading Skills:**
  - Read a variety of genres, including fiction, non-fiction, and poetry.
  - Summarize main ideas and details from texts.

- **Inference and Prediction:**
  - Make predictions and inferences based on text evidence.

Writing:
- **Extended Writing:**
  - Write in different styles, including persuasive texts and explanations.
  - Use paragraphs effectively to organise ideas.

- **Editing and Revising:**
  - Review and improve your own writing with feedback.

Spelling and Grammar:
- **Spelling:**
  - Spell words with complex patterns and homophones.

- **Grammar:**
  - Use a range of punctuation (comma, apostrophe).
  - Understand and use simple and compound sentences.

Speaking and Listening:
- **Debate and Discussion:**
  - Engage in debates and discussions, presenting arguments and considering others' views.

Year 5

Reading:
- **Advanced Comprehension:**
  - Analyze characters, themes, and settings in more depth.
  - Understand and use literary devices such as similes and metaphors.

- **Critical Reading:**
  - Compare and contrast different texts and authors.

Writing:
- **Creative and Formal Writing:**
  - Write complex narratives, reports, and essays.
  - Use varied sentence structures and vocabulary.

- **Editing Skills:**
  - Self-edit and peer-review writing for clarity and coherence.

Spelling and Grammar:
- **Spelling:**
  - Spell a wide range of words, including those with Latin and Greek roots.

- **Grammar:**
  - Use advanced grammatical structures, such as relative clauses and expanded noun phrases.

Speaking and Listening:
- **Oral Presentations:**
  - Prepare and deliver presentations on topics, using visual aids if necessary.

Year 6

Reading:
- **Analytical Skills:**
  - Analyze texts for deeper meaning, including authors' intentions and stylistic choices.
  - Prepare for SATs reading assessments with practice on a range of texts.

- **Critical Evaluation:**
  - Evaluate and critique texts, identifying strengths and weaknesses.

Writing:
- **Advanced Writing:**
  - Write essays, stories, and reports with well-structured arguments and varied sentence forms.
  - Demonstrate mastery of different writing styles and purposes.

- **Revision and Proofreading:**
  - Revise and proofread writing, focusing on grammar, punctuation, and spelling accuracy.

Spelling and Grammar:
- **Spelling:**
  - Master complex spelling rules and patterns.

- **Grammar:**
  - Use advanced grammar techniques effectively, including complex sentences and passive voice.

Speaking and Listening:
- **Debating and Public Speaking:**
  - Engage in formal debates and public speaking events.
  - Use persuasive techniques and evidence to support arguments.

Essential Exam Skills Across All Years

- In Year 1 and Year 2, focus on listening carefully to instructions and understanding basic reading comprehension through simple texts. Additionally, practice precise sentence formation and handwriting, with attention to punctuation.

- In Years 3 and 4, emphasise time management during exams, improve paragraph writing with expanded ideas, and hone comprehension skills by referencing text details.

- By Year 5 and 6, students should concentrate on planning and drafting more extended compositions, answering comprehension questions with evidence, and developing critical reading skills by analysing text themes and characters while maintaining accurate spelling, punctuation, and grammar.

Mathematics

The Mathematics curriculum is divided into critical areas of mathematical learning, including numbers, arithmetic, geometry, measurement, and statistics.

Year 1

1. Number and Place Value:
- Count to and across 100, starting from any number.
- Identify and represent numbers using objects and pictorial representations.
- Recognize and write numbers 1-20 in numerals and words.
- Understand place value in numbers up to 20 (units and tens).

2. Addition and Subtraction:
- Use concrete objects and pictorial representations to solve simple addition and subtraction problems.
- Solve one-step problems with addition and subtraction, using and understanding the symbols (+, -).

3. Multiplication and Division:
- Begin to understand multiplication and division concepts through grouping and sharing.

4. Fractions:
- Recognize and find half and quarter of objects, shapes, and quantities.

5. Measurement:
- Compare, describe, and solve practical problems involving length, height, weight, and capacity.
- Measure and begin to record lengths and heights using non-standard units.

6. Geometry:
- Recognize and name common 2D shapes (e.g., square, circle, triangle) and 3D shapes (e.g., cube, sphere).
- Describe position, direction, and movement (e.g., left, right, up, down).

7. Statistics:

- Interpret and construct simple pictograms, tally charts, and block diagrams.

Year 2

1. Number and Place Value:

- Count in steps 2, 3, and 5 from 0 and in tens from any number.
- Recognize the place value of each digit in a two-digit number (tens, ones).

2. Addition and Subtraction:

- Solve problems with addition and subtraction using a range of strategies.
- Add and subtract numbers up to 100, including two digits and tens.

3. Multiplication and Division:

- Use multiplication and division facts for the 2, 5, and 10 times tables.
- Understand and solve simple problems involving multiplication and division.

4. Fractions:

- Recognize, find, and write fractions of discrete objects (e.g., 1/4 of 12).
- Understand and use the terms 'half,' 'quarter,' and 'three-quarters.'

5. Measurement:

- Compare and order lengths, weights, and capacities.
- Measure and record using standard units (e.g., centimetres, grams, litres).

6. Geometry:

- Identify and describe the properties of 2D and 3D shapes.
- Use mathematical vocabulary to describe position, direction, and movement.

7. Statistics:

- Interpret and construct simple tables and charts.

Year 3

1. Number and Place Value:
- Count from 0 in multiples of 4, 8, 50, and 100.
- Recognize the place value of each digit in a three-digit number (hundreds, tens, ones).

2. Addition and Subtraction:
- Use formal written methods to add and subtract numbers with up to three digits.
- Solve problems involving addition and subtraction with increasingly more significant numbers.

3. Multiplication and Division:
- Recall and use multiplication and division facts for the 3, 4, and 8 times tables.
- Multiply and divide two-digit numbers by a one-digit number using mental and written methods.

4. Fractions:
- Count up and down in tenths.
- Recognize and find unit fractions (1/2, 1/3, 1/4) of a quantity and find fractions of a set of objects.

5. Measurement:
- Measure, compare, add, and subtract length, mass, and volume measurements.
- Calculate the perimeter of simple 2D shapes.

6. Geometry:
- Identify and describe the properties of 2D and 3D shapes.
- Recognize and describe angles as a property of shape or a description of a turn.

7. Statistics:
- Interpret and present data using bar charts and tables.

Year 4

1. Number and Place Value:
- Count in multiples of 6, 7, 9, 25, and 1000.
- Recognize the place value of each digit in a four-digit number.

2. Addition and Subtraction:
- Use formal written methods to add and subtract numbers with up to four digits.
- Solve multistep problems involving addition and subtraction.

3. Multiplication and Division:
- Recall multiplication and division facts up to 12 x 12.
- Multiply and divide numbers into four digits by a one-digit number using formal written methods.

4. Fractions:
- Recognize and use fractions as numbers, including finding equivalent fractions.
- Add and subtract fractions with the same denominator.

5. Measurement:
- Convert between different units of measurement (e.g., cm to m).
- Calculate the area of rectangles and solve problems involving perimeter and area.

6. Geometry:
- Identify acute and obtuse angles and compare angles.
- Identify lines of symmetry in 2D shapes.

7. Statistics:
- Solve comparison, sum, and difference problems using information presented in bar charts, pictograms, and tables.

Year 5

1. Number and Place Value:
- Count forwards and backwards with positive and negative numbers through zero.
- Recognize and use place value for numbers up to 1,000,000.

2. Addition and Subtraction:
- Use formal written methods to add and subtract whole numbers with more than four digits.
- Solve multistep problems with addition and subtraction.

3. Multiplication and Division:
- Multiply and divide numbers by up to four digits by one or two digits.
- Solve problems involving multiplication and division, including long division and remainders.

4. Fractions:
- Compare and order fractions with different denominators.
- Add and subtract fractions with the same denominator and fractions of the same denomination.

5. Measurement:
- Convert units of measure (e.g., km to m, l to ml).
- Calculate the volume of cuboids and solve problems involving volume.

6. Geometry:
- Identify and describe properties of 2D shapes, including regular and irregular polygons.
- Recognize and describe 3D shapes and their properties.

7. Statistics:
- Interpret and construct line graphs and solve problems using line graphs.

Year 6

1. Number and Place Value:
- Read, write, order, and compare numbers up to 10,000,000.
- Solve problems involving large numbers and negative numbers.

2. Addition and Subtraction:
- Perform mental calculations, including with large numbers.
- Use formal written methods for addition and subtraction, including decimals.

3. Multiplication and Division:
- Long multiplication and division are used to solve problems.
- Solve complex problems involving multiplication and division.

4. Fractions, Decimals, and Percentages:
- Compare and order fractions, decimals, and percentages.
- Convert between fractions, decimals, and percentages and solve problems involving these.

5. Measurement:
- Solve problems involving the calculation of perimeter, area, and volume.
- Convert between different units of measurement, including more complex conversions.

6. Geometry:
- Draw and construct shapes using given dimensions and angles.
- Calculate angles in polygons and understand properties of shapes in 2D and 3D.

7. Statistics:
- Interpret and analyse complex data using a variety of representations, including pie charts and frequency tables.
- Solve problems involving data and probability.

Essential Exam Skills Across All Years

- In Year 1 and Year 2, focus on understanding and applying basic number facts, such as addition, subtraction, and simple times tables, while practising careful reading of exam instructions to follow problem-solving steps correctly.
- In Years 3 and 4, students should work on time management by efficiently tackling calculations and word problems while showing clear working-out for multistep problems.
- By Years 5 and 6, emphasis should be placed on logical reasoning and problem-solving through interpreting complex problems, ensuring accuracy in calculations, and practising checking answers for errors.

Science

The Science curriculum is structured to cover critical areas of scientific understanding, including biology, chemistry, physics, and environmental science.

Year 1

1. **Plants:
   - Identify and name common plants, including trees and flowering plants.
   - Describe essential parts of plants (e.g., roots, stems, leaves, flowers).

2. **Animals, Including Humans:
   - Identify and name common animals (e.g., mammals, birds, fish, amphibians, reptiles).
   - Describe the essential body parts of humans and animals.
   - Discuss the basic needs of animals and humans for survival (e.g., food, water, shelter).

3. **Everyday Materials:
   - Distinguish between different materials (e.g., wood, plastic, metal).
   - Describe and compare the properties of materials (e.g., hardness, flexibility, transparency).

4. **Seasonal Changes:
   - Observe and describe changes in the seasons.
   - Recognize how weather affects daily life.

5. **Working Scientifically:
   - Ask simple questions and answer them through observation and experimentation.
   - Use simple tools to gather data (e.g., magnifying glass, rulers).

Year 2

1. **Plants:
   - Explore the basic structure of plants and how they grow.
   - Understand what plants need to grow and stay healthy.

2. **Animals, Including Humans:
   - Compare the differences between animals and humans, including their diets and habitats.
   - Learn about the primary life cycles of animals.

3. **Living Things and Their Habitats:
   - Explore different habitats and the animals that live in them.
   - Understand how living things are suited to their habitats.

4. **Everyday Materials:
   - Compare and group materials based on their properties (e.g., magnetic, waterproof).
   - Investigate how physical processes can change materials (e.g., bending, twisting).

5. **Working Scientifically:
   - Perform simple tests and gather information to answer questions.
   - Use observations and results to make conclusions.

Year 3

1. **Plants:
   - Identify and describe the functions of different parts of flowering plants (e.g., roots, stem, leaves, flowers).
   - Explore how plants reproduce (e.g., seeds, bulbs).

2. **Animals, Including Humans:
   - Understand the parts of the human skeleton and how it supports movement.
   - Explore the functions of different teeth and the digestive system.

3. **Rocks:

- Compare and group different kinds of rocks based on appearance and properties.
   - Understand how rocks are formed and their uses.

4. **Forces and Magnets:
   - Explore the concept of forces (e.g., push, pull).
   - Investigate magnetic forces and identify magnetic materials.

5. **Light and Shadows:
   - Understand how shadows are formed and how their size and shape change with light sources.
   - Explore sources of light and how light travels.

6. **Working Scientifically:
   - Plan and conduct simple investigations and record results.
   - Use scientific language and conclude from evidence.

Year 4

1. **Living Things and Their Habitats:
   - Understand and describe different environments and their habitats.
   - Explore how living things can be grouped in various ways.

2. **Animals, Including Humans:
   - Study the life cycles of animals, including mammals, birds, insects, and amphibians.
   - Learn about the digestive system and the different types of teeth.

3. **States of Matter:
   - Investigate different states of matter (solid, liquid, gas).
   - Understand the processes of melting, freezing, evaporation, and condensation.

4. **Sound:

- Explore how sounds are made and how they travel through different materials.
   - Understand how pitch and volume can change.

5. **Electricity:
   - Identify common electrical appliances and their uses.
   - Explore simple circuits and the role of components such as batteries and bulbs.

6. **Working Scientifically:
   - Make predictions and plan investigations based on scientific knowledge.
   - Collect and record data in various formats and analyse results.

Year 5

1. **Living Things and Their Habitats:
   - Understand the classification of living things into kingdoms (e.g., plants, animals, fungi).
   - Explore the process of reproduction in plants and animals.

2. **Animals, Including Humans:
   - Study human development and changes from birth to old age.
   - Explore the circulatory system and its function.

3. **Properties and Changes of Materials:
   - Compare and group materials based on their properties (e.g., hardness, solubility).
   - Investigate how physical and chemical changes can combine and separate materials.

4. **Forces:**
   - Explore different types of forces (e.g., gravity, friction).
   - Investigate how forces affect movement and shapes.

5. **Earth and Space:**
   - Understand the Earth's rotation and its effect on day and night.
   - Explore the solar system, including the planets and their orbits.

6. **Working Scientifically:**
   - Design and conduct scientific experiments with fair tests.
   - Analyse and evaluate data, including using graphs and tables.

Year 6

1. **Living Things and Their Habitats:**
   - Study how organisms are adapted to their environment.
   - Explore the interdependence of living things and their environments.

2. **Animals, Including Humans:**
   - Understand the human reproductive system and the changes during puberty.
   - Study the role of the circulatory system in health and exercise.

3. **Evolution and Inheritance:**
   - Explore the concept of evolution and natural selection.
   - Understand how traits are inherited and how species evolve.

4. **Light:**
   - Investigate how light travels and how we see objects.
   - Understand reflection, refraction, and the formation of shadows.

5. **Electricity:**
   - Study complex circuits, including switches, bulbs, and buzzers.
   - Understand the importance of electrical safety.

6. **Working Scientifically:**
  - Plan and carry out investigations independently.
  - Use scientific methods to analyse results and present findings.

Essential Exam Skills Across All Years

- In Year 1 and Year 2, careful observation and recording of simple data from practical activities, along with listening and following instructions for science experiments or tasks.
- In Years 3 and 4, students should focus on understanding scientific vocabulary and concepts, using them accurately in answers, and organising their findings in transparent, structured formats such as charts or labelled diagrams.
- By Years 5 and 6, students should practice analysing and interpreting data, ensuring they can draw conclusions from experiments, apply critical thinking to explain scientific processes and improve their ability to justify answers with evidence.

Computer Science

The Computer Science curriculum focuses on critical areas such as digital literacy, programming, online safety, and data handling and reflects the National Curriculum requirements.

Year 1

1. **Digital Literacy:
   - **Basic Computer Skills:**
     - Learn basic computer functions (e.g., turning on/off, using a mouse and keyboard).
     - Familiarize with essential software tools (e.g., paint programs, word processors).

   - **Navigating Devices:**
     - Understand simple software applications (e.g., drawing programs).
     - Learn to open and close programs.

2. **Online Safety:
   - **Understanding the Internet:**
     - Learn basic concepts about the internet and its uses.
     - Discuss the importance of asking for permission before using the internet.

   - **Safe Online Behaviour:**
     - Recognize and discuss safe and unsafe behaviours online.
     - Learn about privacy and who to talk to if something online makes them uncomfortable.

3. **Programming:
   - **Basic Commands:**
     - Use simple block-based programming tools (e.g., ScratchJr).
     - Understand basic programming concepts (e.g., sequences, loops) through interactive games.

Year 2

1. **Digital Literacy:
   - **Using Technology:**
     - Develop basic skills in using word processors and drawing software.
     - Learn to create and save simple documents and presentations.

   - **Understanding Technology:**
     - Discuss different types of technology and their uses (e.g., tablets, computers).

2. **Online Safety:
   - **Internet Safety:**
     - Recognize the importance of not sharing personal information online.
     - Learn about appropriate behaviour online and how to stay safe.

   - **Privacy and Permissions:**
     - Understand the concept of privacy and the need for permission when online.
     - Discuss who can help with online safety concerns (e.g., teachers, parents).

3. **Programming:
   - **Introduction to Programming:**
     - Use block-based programming tools (e.g., Scratch) to create simple animations and stories.
     - Understand basic programming concepts such as sequences and loops.

Year 3

1. **Digital Literacy:
   - **Creating and Editing:**
     - Use software to create and edit text, images, and presentations.

- Learn basic formatting and design skills (e.g., fonts, colours).

  - **Using the Internet:**
    - Understand how to use search engines effectively.
    - Learn about reliable and unreliable sources of information.

2. **Online Safety:
  - **Managing Online Information:**
    - Learn how to handle and protect personal information online.
    - Discuss the concept of digital footprints and its impact.

  - **Cyberbullying Awareness:**
    - Understand what cyberbullying is and how to seek help if encountered.

3. **Programming:
  - **Basic Programming Skills:**
    - Create simple programs using block-based coding tools (e.g., Scratch).
    - Explore basic concepts of algorithms and debugging.

Year 4

1. **Digital Literacy:
  - **Advanced Digital Skills:**
    - Use more advanced features of software tools (e.g., inserting images, hyperlinks).
    - Create and present information using various digital formats.

  - **Data Handling:**
    - Collect, organise, and present data using digital tools (e.g., spreadsheets).

2. **Online Safety:
  - **Digital Footprint:**
    - Understand the concept of a digital footprint and its implications.
    - Learn about responsible online behaviour and maintaining digital privacy.

- **Online Communication:**
  - Discuss the importance of respectful and safe online communication.
  - Explore different methods of online communication and their appropriate use.

3. **Programming:
  - **Introduction to Coding Concepts:**
  - Use block-based coding to create more complex projects (e.g., games, interactive stories).
  - Learn about and use simple variables and conditions.

Year 5

1. **Digital Literacy:
  - **Advanced Document Creation:**
  - Create and format more complex documents and presentations.
  - Use features such as tables, charts, and multimedia elements.

  - **Information Literacy:**
  - Evaluate the credibility of online sources.
  - Use advanced search techniques to find information.

2. **Online Safety:
  - **Understanding Digital Rights and Responsibilities:**
  - Discuss digital rights, such as respecting copyright and intellectual property.
  - Understand online etiquette and the impact of online behaviour.

  - **Managing Online Presence:**
  - Learn strategies for managing online reputation and privacy settings.

3. **Programming:
  - **Text-Based Programming:**
  - Begin using text-based programming languages (e.g., Python) for simple tasks.

- Explore programming concepts such as loops, conditionals, and functions.

Year 6

1. **Digital Literacy:
   - **Creating Interactive Content:**
     - Design and create interactive content (e.g., websites, apps) using appropriate tools.
     - Use advanced features in digital tools to create complex projects.

   - **Data Analysis:**
     - Analyse and interpret data using spreadsheets and graphs.
     - Understand and use essential data functions (e.g., SUM, AVERAGE).

2. **Online Safety:
   - **Advanced Online Safety:**
     - Understand the importance of secure passwords and how to create them.
     - Learn about online scams and how to recognise and avoid them.

   - **Ethics and Responsibility:**
     - Discuss ethical issues related to digital content, including plagiarism and respect for others' work.

3. **Programming:
   - **Developing Complex Programs:**
     - Create and develop more complex programs and projects using text-based languages.
     - Understand and implement debugging strategies and code optimisation.

   - **Project Development:**
     - Work on collaborative projects involving programming and digital design.
     - Document and present programming projects, explaining the code and functionality.

- In Year 1 and Year 2, concentrate on following step-by-step instructions when using software and completing tasks while ensuring basic familiarity with computer tools like keyboards, mice, and simple programs.
- Years 3 and 4 focus on understanding and applying programming concepts, such as sequences and loops, and organising code clearly to solve simple problems using block-based coding languages.
- By Year 5 and 6, students should enhance their ability to debug and optimise code, ensuring that their programs run efficiently. They should also develop the skill of analysing tasks and logically planning solutions using block-based and text-based programming languages.