SUBJECT: Computing	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Key Events						
Lilac Lambs (YN)	**Friendship & Compassion** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	**Perseverance** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	**Equality & Diversity** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	**Responsibility** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	**Respect** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	**Hope** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.
Red Rabbits (YR)	**Me and Mine** **Friendship & Compassion** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	Let's Celebrate! **Perseverance** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	Our Wonderful World **Equality & Diversity** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	Look where we live! **Responsibility** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	What's at the Bottom of the garden? **Respect** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.	Then and Now **Hope** Computational thinking: Concepts: logical reasoning, abstraction, pattern, algorithms & decomposition Approaches: tinkering, creating, collaboration & persevering.
Gold Gibbons (Y1)	What is special to me? **Respect** Computational Thinking Teach Computing 1: Technology around us	What makes a great friend? **Compassion and Friendship** Teach Computing 2: Digital painting	What do we need to survive and thrive? **Perseverance** Teach Computing 3: Physical Computing Programming A: Moving a robot	What do we hope for? **Hope** Teach Computing 4: Grouping data	Who is most important person in the world? **Equality and Diversity** Teach Computing 5: Digital writing	What is so special about the world? **Responsibility** Teach Computing 6: Programming animations
Turquoise Toucans (Y2)	What is the same, what is different? **Respect** Teach Computing 1: Computing systems and networks. IT around us.	Why do we burn Guy Fawkes on Bonfire night – and is it OK to? **Responsibility** Teach Computing 2: Creating media. Digital photography	Are humans more important than other animals? **Compassion and Friendship** Teach Computing 3: Programming A- robot algorithms	What can bloom in times of challenge? **Perseverance** Teach Computing 4: Data information. Pictograms	Is being different a strength or a weakness? **Hope** Teach Computing 5: Creating media. Digital music	Where would you rather live: Lewes or Kumaon (India)? **Equality and Diversity** Teach Computing 6: Programming B – programming quizzes
Blue Badgers (Y3)	Am I too small to make a big difference? **Responsibility** Teach Computing 4: **Data and information** **Branching databases** **to sort animals**	What is my place in the world? **Respect** Teach Computing 1: **Computing systems** **and networks** **Connecting computers** **(How do I link to the Internet?)** **Physical Computing - Microbits**	Can I bounce back when things go wrong? **Perseverance** Teach Computing 2: **Creating media** **Stop-frame animation** **(Volcano animation)**	How can I understand people from other times and other places? **Compassion and Friendship** Teach Computing 5: **Creating media** **Desktop publishing** **(Colosseum poster)**	How can I make a visitor welcome? **Equality and Diversity** Teach Computing 3: **Programming A** **Sequencing sounds**	I'm a kid. What's your super power? **Hope** Teach Computing 6: **Programming B** **Events and actions in programs**
Orange Owls (Y4)	**Does a challenge make you stronger?** **Perseverance** Teach Computing 1: **Computing Systems and Networks** *The Internet*	**Should we always forgive and forget?** **Compassion and Friendship** Physical Computing (Microbits) & Data Logging	**"It's not my fault!" When should we take responsibility?** **Responsibility** Coding – Logo *Create Geometric Shapes*	**Why do we respect some people more than others?** **Respect**	**Why is difference so important?** **Equality and Diversity** Coding – Scratch *Simulate an ecosystem*	**Is hope enough?** **Hope** Creating Media – photo-editing *Create a wildlife appeal leaflet* (links to art-scanning collage)
Emerald Elephants (Y5)	*Who should we remember from the past?* **Equality and Diversity** *The Indian Army in Brighton during WW1* Teach computing 1 Computing systems and networks: systems and searching Ada Lovelace: Coding and Scratch	*Who should we remember from the past?* **Compassion and Friendship** *The Indian Army in Brighton during WW1* BEBRAS competition Teach computing 5 Creating media – introduction to vector graphics	*What's more important: the journey or the destination?* **Perseverance** *Space and the Solar System* Take part in Astro Pi Teach computing 2 Video production	*Is respect given or earned?* **Respect** *Ancient Greeks* Young Coders Competition	*What does it mean to be responsible?* **Responsibility** *Our local area: Malling Down & The South Downs National Park* Teach computing 4 Flat file databases (Native British Creatures)	*What's the difference between surviving and thriving?* **Hope** *Brazil and the Amazon Rainforest* Teach computing 6: Programming Selection in Quizzes

Purple Polar Bears (Y6)	***How do we make our mark?*** **Responsibility** Teach Computing 1: Communication and Networks Ada Lovelace: Coding and Scratch	***How do we make our mark?*** **Equality and Diversity** BEBRAS competition Teach Computing 2: Creating media - Web page creation	***What does it mean to belong?*** **Compassion and Friendship** Teach Computing 3: Programming A – Variables in Games	***How do you look through other people's eyes?*** **Respect** Teach Computing 5: Creating media – 3d modelling using Tinker cad	***Is there an art to being human?*** **Perseverance** Teach Computing 4: Data and information - Introduction to Spreadsheets	***Are we future proof?*** **Hope** Machine Learning for Kids: Machine Learning and Artificial Intelligence https://createai.microbit.org/