

Howard Community Academy - Computing Long Term Plan

Term	Unit of Work (number of lessons)	Progression	Assessment	Resources
EYFS				
Autumn 2	Barefoot – Computational Thinking 1: Autumn (3)	Links to learning about patterns		
Spring 1	Barefoot – Computational Thinking 2: Winter (3)	Develops patterning further		
Spring 2	Barefoot – Computational Thinking 3: Springtime (3)	Links to learning about sequences		
Summer	Barefoot – Computational Thinking 4: Summer (3)	Develops learning about sequences		
Summer	Transition: Programming A – Moving a robot (6)	Introduces ideas of programming		Lesson plans
Year 1 and 2 Cycle A				
Autumn	TC Computing systems and networks – IT around us (6)	Builds on Y1 Tech around us	Google form assessment.	Lesson plans
Spring	TC Counting and Comparing – Data recording	Links to statistics in maths	Children make a tally chart	Lesson plans
Summer	Code.org Computer science fundamentals – Course A (12)	Builds on EYFS <i>Moving a Robot</i> unit.	Code.org progress statistics.	Link
Year 1 and 2 Cycle B				
Autumn	TC Creating media – Digital painting (6)	Builds on Barefoot 1	Final project	Lesson plans
Spring	TC Data and information – Pictograms (6)	Links to statistics in maths	Google form assessment.	Lesson plans
Summer	Code.org Computer science fundamentals – Course B (13)	Builds on Code.org Course A	Code.org progress statistics.	Link
Year 3 & 4 - Cycle A				
Autumn 1	TC Computing systems and networks – The Internet (6) Y4	Builds on Y2 IT around us	Google form assessment.	Lesson plans
Autumn 2	TC Data and information – Branching databases (Y3)	Builds on Pictograms	Google form assessment.	Lesson plans
Spring	TC Creating media - Stop-frame animation (Y3)		Final project	Lesson plans
Summer	Code.org Computer science fundamentals – Course C (16) Y3	Builds on Code.org Course B	Code.org progress statistics.	Link
Year 3 & 4 – Cycle B				
Autumn 1	TC Computing systems and networks – Connecting computers (Y3)	Builds on Y2/Y3 IT around us	Google form assessment.	Lesson plans
Autumn 2	TC Data and information – Data logging (6) Y4	Builds on Connecting Computers	Google form assessment.	Lesson plans Data logger
Spring	TC Creating media - Audio production (6) Y4		Final project	Lesson plans
Summer	Code.org Computer science fundamentals – Course D (16)	Builds on Code.org Course A		
Year 5 & 6 Cycle A				
Autumn	TC Data and Information – Flat file databases	Builds on Y3 Data bases	Final database	Link
Spring	TC Creating media – Introduction to vector graphics	Links to Creating media (Y4)	Final layered work	Link
Summer	Code.org Computer science fundamentals – Course F (9)	Builds on Code.org Course E	Code.org progress statistics.	Link
Year 5 & 6 Cycle B				
Autumn	Elementary Game Design	Builds on Code.org CS Fundamentals courses	Code.org progress statistics.	Code.org Lesson plans

Spring	Grade 3 - Maker with micro:bit	New for this cycle	Code.org progress statistics and final project assessment.	Code.org Lesson plans
Summer	Code.org Computer science fundamentals – Course F (9)	Builds on Code.org Course E	Code.org progress statistics.	Link