

CES Long Term Planning - Year 6

Term 1

Week	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9
Date	3.09.19	8.09.19	15.09.19	22.09.19	29.09.19	6.10.9	13.10.19	20.10.19	27.10.19	03.11.19	10.11.19	17.11.19	24.11.19	1.12.19 AW	8.12.19 AW	15.12.19
Days	3	5	5	5	5	5	4	Half-term	5	5	5	5	5	5	5	5
English – VIPERS link to reading	<p>Theme: Migration</p> <ul style="list-style-type: none"> The Arrival (5 weeks) Poetry (1 week) <p>Text Types:</p> <ol style="list-style-type: none"> Informal letter (hot) Description – arrival to new city (hot) Description – migrants journey (cold) Narrative – chapter model (hot) Narrative – chapter model (cold) 							<p>Theme: The Victorians</p> <ul style="list-style-type: none"> The Hound of the Baskervilles by Sir Atrthur Conan Doyle (6 weeks) The Walrus and the Carpenter by Lewis Carroll (1 week) <p>Text Types:</p> <ol style="list-style-type: none"> Suspense writing Detective fiction Narrative Poem 								
Geography History	<p>Geography – Animal Migration. Links to Poetry and writing free verse poems</p> <ul style="list-style-type: none"> Non-chronological reports – the Serengeti, Explanation text - Why do animals migrate? 							<p>History - The Victorians – The Monarchy, Family life (Rich Vs, Poor, education)</p> <ul style="list-style-type: none"> Balanced arguments – Should education be free for all? Fact files – Who were the Victorians? Comparative essays 								
Computing	<p>E-Safety Scheme of Work (4 weeks) – compulsory</p>							<p>Microsoft Excel – development of skills.</p>								
PSHE	<p>Motivation</p> <ul style="list-style-type: none"> How do we motivate ourselves? What motivates us and others? 							<p>Open-mindedness</p> <ul style="list-style-type: none"> To explore a range of identities in the UK/globally To understand there are different types of relationships 								

	<ul style="list-style-type: none"> - Is motivation important? 	<ul style="list-style-type: none"> - To consider stereotyping and judgement - To identify putdowns and possible conflicts - To understand ways of dealing with or ending friendships
Art/DT	<p>Drawing (cross curricular links to Geography)</p> <ul style="list-style-type: none"> • Children create sketchbooks to record their observations and use them to review and revisit ideas. • Artist Focus: Maurits Cornelis Escher • Animals in movement. Migration pictures. Silhouettes. 	<p>Drawing (cross curricular links to Geography)</p> <ul style="list-style-type: none"> • Children create sketchbooks to record their observations and use them to review and revisit ideas. <p>DT Focus: Making Victorian Toys</p>
Science	<p>Biology – Cells – 6 weeks</p> <ul style="list-style-type: none"> - Observing cells - Plant and animal cells - Specialised cells - Movement of substances <p>Text Types:</p> <ol style="list-style-type: none"> 1. Non-chronological reports 2. Explanation texts 3. Fact files 	<p>Biology - Structure and function of body system (4 weeks) – 2 lessons per week</p> <ul style="list-style-type: none"> - Levels of organisation - Gas exchange - Skeleton - Joints - Muscles <p>Text Types:</p> <ol style="list-style-type: none"> 1. Descriptive Writing – suspense text 2. Short story 3. Detective story
Maths	<ol style="list-style-type: none"> 1. Number and Place Value (1 week) <ul style="list-style-type: none"> - To read and write whole numbers (3-7 digits) - To order and compare numbers (3-7 digits) - To read and write Roman Numerals - Place value problems – partitioning, regrouping (3-7 digits) 2. Addition and Subtraction (1 week) 	<ol style="list-style-type: none"> 1. Measures – Area and Perimeter (1 week) <ul style="list-style-type: none"> - To calculate area and perimeter of regular shapes (rectangles and squares) and compound shapes - To calculate volume - To calculate area of triangles - To calculate area of parallelograms 2. Number and Place Value (1 week)

- To estimate addition and subtraction of whole numbers (3-7 digits)
- To use column method to add and subtract whole numbers
- To add and subtract decimals (up to 2 decimal places)
- Problem solving

3. Multiplication and Division (1 week)

- To multiply and divide by 10, 100, 1000 and explain
- To use formal written methods to multiply (2 digits by 2 digits), (2 digits by 3 digits)
- To use short division (by 1 digit, by 2 digit, remainders, decimal quotient)
- To multiply and divide decimals

4 & 5. Fractions (2 weeks)

- To identify common factors and multiples
- To compare and order fractions less than and greater than 1
- To compare and order fractions – diff denominators
- To convert fractions to decimals
- To convert fractions to percentages
- To calculate equivalence between fractions, decimals and percentages
- To add and subtract fractions with diff denominators
- To multiply fractions with diff denominators
- To divide fractions with diff denominators

- To round whole numbers to the nearest 10, 100 or 1000.
- To round decimal numbers to the nearest whole number
- To compare and order decimal numbers – 3 d.p.
- To recognise and order negative numbers

3. Ratio (1 week)

- To identify factors
- To identify and simplify ratio a:b, a:b:c
- To solve ratio problems (visually)
- to solve ratio problems (numerically)
- to identify scale factors and scale shapes

4. Fractions - Adding and Subtracting (1 week)

- To convert between fraction representations
- To add improper fractions
- To subtract improper fractions
- To add mixed number fractions
- To subtract mixed number fractions

5. Fractions - Multiplying and Dividing (1 week)

- To identify equivalent fractions
- To multiply fractions (proper, improper and mixed numbers)
- To divide fractions (proper, improper and mixed numbers)
- To divide fractions by a whole number

6. Measures - Time (1 week)

	<p style="text-align: center;">- To solve problems involving fractions</p> <p>6. Consolidation (1 week)</p>	<p style="text-align: center;">- To convert between standard units of time</p> <ul style="list-style-type: none"> - To read the time (analogue – 1, 5 and 15 minutes) - To read the times (24-hour clock – 1 and 5 minutes) - To read the time (Roman Numerals – 1 and 5 minutes) - To calculate time intervals <p>7. Shape 2D (1 week)</p> <ul style="list-style-type: none"> - To draw 2D shapes using given dimensions and angles - To describe the position on the full coordinate grid (all four quadrants) - To draw simple shapes on the coordinate plane - To translate simple shapes on the coordinate plane - To reflect shapes in the axes on the coordinate plane
Trips	<ul style="list-style-type: none"> • Family Park: animals in motion – non-chronological reports – fact files • Art café - Maadi 	<ul style="list-style-type: none"> • El-Alamein Day Tour • Victorian Day: Banquet with outfits. (ch to design own outfits and dishes.

Term 2

Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6
Date	08.01.20	12.01.20	19.01.20	26.01.20	02.02.20	09.02.20 PTC	16.02.20	23.02.20	01.03.20	08.03.20	15.03.20	22.03.20	28.03.20 Test Week	05.04.20 WWW
Days	2	5	5	5	5	4	5	2	5	5	5	5	5	5
English	<p>Theme: Egyptian Culture and Heritage</p> <ul style="list-style-type: none"> • Egypt (5 weeks) • Poetry (2 weeks) <p>Text Types:</p> <ol style="list-style-type: none"> 1. Biographies – Significant Egyptians. Bio linked to VIPERS. 2. Cups and Arms – editing, improving, publishing 3. Persuasive leaflet – Egyptian Tourism 4. Edit, improve, publish 								<p>Theme: Looking Back</p> <ul style="list-style-type: none"> • 1001 Arabian Nights (4 weeks) • Film Unit – The piano (2 weeks) <p>Text Types:</p> <ol style="list-style-type: none"> 1. Analysing, reading newspaper articles – online comparisons to paper versions, compare/contrast, active passive voice. 2. Newspaper article (hot) 3. Newspaper article – new story (cold) 4. The Piano – response text – Film Unit – VIPERS lesson 5. Story with a flashback . Edit, improve, publish. 					
Geography History	<p>Geography – comparison between UK and Egypt.</p> <ul style="list-style-type: none"> - (physical and human geography, land settlement) - To write a non-chronological report. - To create a persuasive leaflet. 								<p>History - Early Islamic Civilisation (8 weeks) – 2 lessons per week</p> <ul style="list-style-type: none"> - Baghdad – The Golden Age - Silk Road <p>Text Types:</p> <ol style="list-style-type: none"> 1. Non chronological reports 2. Explanation text 3. Persuasive argument – Do you think Baghdad was vital to the development of the Golden Age of Islam? 					

Computing	<p>Programming with Scratch 2.0</p> <p>Students develop skills to create animated scene linked to their learning context.</p>	<p>Programming with Python</p> <p>Students are given an introduction to the basic concepts of Python. Learn how to use Python interactively and by using a script. They create their first variables and acquaint themselves with Python's basic data types.</p>
PSHE	<p>Reflectiveness</p> <p>Children to look at what strategies they use to reflect upon situations and circumstances. Ch to cover following objectives:</p> <ul style="list-style-type: none"> - debate and discuss why it is important to respect other's opinions - how to disagree and agree with reasoning and respectfully - to recognise and respect risky choices and be able to weigh up the pros and cons in situations - to be able to stand up for oneself and not follow a crowd - to understand how to be assertive in the right way - to be able to use a range of strategies to prevent bullying 	<p>Tolerant</p>
Art/DT	<p>Painting (cross curricular links)</p> <p>Children improve their mastery of art and design techniques with painting. Focus on different painting and drawing techniques (http://www.housingaforest.com/20-must-try-painting-techniques-for-kids/) and materials (watercolours, ink, poster paints, acrylics)</p> <p>Artist Focus: Gazbia Sirry</p> <ul style="list-style-type: none"> - Biography on Gazbia Sirry as part of homework project - Fact file on Gazbia Sirry - Web page design (wiki page) as part of homework 	<p>Drawing, Painting and ink work (cross curricular links)</p> <p>Islamic and Middle Eastern art</p> <p>Artist Focus: study of the different periods - http://www.visual-arts-cork.com/islamic-art.htm</p> <ul style="list-style-type: none"> - Essay on the progression and rise of Islamic and Middle Eastern Art during time - PowerPoint project – ICT link
Science	<p>Chemistry – Particles and their behaviour</p> <ul style="list-style-type: none"> - The particle model - States of matter 	<p>Chemistry – Elements, Atoms and Compounds.</p> <ul style="list-style-type: none"> - Elements - Atoms

	<ul style="list-style-type: none"> - Melting and freezing - Boiling <p>Text Types:</p> <ul style="list-style-type: none"> - Explanation text – What is the particle model? - Non-Chronological report – The three states of matter. 	<ul style="list-style-type: none"> - Compounds
<p>Maths</p>	<p>1. Number and Place Value</p> <ul style="list-style-type: none"> - To multiply and divide numbers by 10, 100, 1000 review - To use negative numbers in context <p>2. Multiplication and Division (1 week)</p> <ul style="list-style-type: none"> - Money problems (decimals) - Area problems (decimals) - Measurement problems (decimals) <p>3. Fractions (1 week)</p> <ul style="list-style-type: none"> - To calculate and recognise equivalent fractions, decimals and percentages - To compare and order fractions - To calculate fractions of an amount - To calculate percentages of an amount - To review addition, subtraction, multiplication and division number sentences with brackets <p>4. Algebra (1 week)</p> <ul style="list-style-type: none"> - To express missing number problems algebraically - To use simple formulae – substitution, simplification - To find pairs of numbers that satisfy two unknowns 	<p>1. Shape (1 week)</p> <ul style="list-style-type: none"> - To identify and describe properties of 2D shapes - To identify and describe properties of 3D shapes - To sort geometric shapes using Venn diagrams - To sort geometric shapes using Carroll diagrams <p>2. Statistics (1 week)</p> <ul style="list-style-type: none"> - To identify and calculate intervals - To construct and interpret bar graphs - To construct and interpret line graphs - To interpret pie charts - To calculate and interpret averages – mean, mode, median, range <p>3. Ratio (1 week)</p> <ul style="list-style-type: none"> - To solve percentage comparison problems - To solve problems involving the calculation of percentages - To solve ratio problems - To solve scaling problems

	<ul style="list-style-type: none"> - To identify two possibilities of combinations of two variables - To solve a range of problems involving algebra <p>5 & 6. Measures (2 weeks)</p> <ul style="list-style-type: none"> - To convert between standard units of measure (whole numbers) - To convert between standard units of measurement (decimals) - To convert between miles and km - To convert between imperial and metric units of measurement <p>7. Position and Direction (1 week)</p> <ul style="list-style-type: none"> - To recognise positions on the first quadrant in a co-ordinate grid - To recognise positions in all four quadrants on a co-ordinate grid - To translate simple shapes in two directions on a co-ordinate grid (within the first quadrant) - To translate simple shapes in two directions on a co-ordinate grid where one axis is crossed <p>8. Consolidation (1 week)</p>	<ul style="list-style-type: none"> - To solve problems involving unequal sharing and grouping <p>4. Shape (1 week)</p> <ul style="list-style-type: none"> - To recognise angles (at a point, straight line, triangles, quadrilaterals, corresponding angles) and calculate missing angles - To draw 2D shapes using given angles
Trips	<ul style="list-style-type: none"> • Pyramids and/or Egyptian Museum • Art Café Egypt • The Child Museum, Cairo • Egyptian Day (Dress-up/Models) 	<ul style="list-style-type: none"> • Parent visitors – telling stories

Term 3

Week	1	2	3	4	5	6	7	8	Last 3 days of sch
Date	21.04.20	26.04.20	03.05.20	10.05.20	17.05.20	27.05.20	31.05.20 ART/DT week	07.05.20 ART/DT week	
Days	3	5	5	5	3	2	5	5	
English	<p>Theme: Light and Dark</p> <ul style="list-style-type: none"> The Highway Man (2 weeks) Macbeth (5 weeks) Reading – 3 lessons per work <p>Text Types:</p> <ol style="list-style-type: none"> Reading focus – comparison between The Highwayman and ‘The Travellers’ poem. Heavy language emphasis, PEE, vocab focus Description (cold) Own narrative poem Performance poetry – presentation – post to blogs Essay response – Did Beth make the right choice? Discuss. 								
History/ Geography	<p>Current Affairs</p> <ul style="list-style-type: none"> - Focus on current affairs around the world – dialogic debates/essay writing. - Should countries make their own laws? - Should there be closed borders? 								
Computing	<p>Appy Times Project</p> <p>Students are introduced to ‘wearable technology’ - clothing incorporating computer and advanced electronic technologies. They are tasked to design a piece of wearable technology that links in with a smart phone app. Their app in some way must improve learning in schools.</p>								
PSHE	<p>Empathetic</p>								

<p>Art/DT</p> <p>Focus for last two weeks of term</p>	<ul style="list-style-type: none"> • Sculpture - Children use a range of materials (paper, straws, cardboard, plaster or Paris, Papier Mache etc.) to create sculptures using the design, Make, Evaluate process. <p>Artist Focus: Michelangelo – link to Macbeth</p>
<p>Science</p>	<ul style="list-style-type: none"> • Physics – Sound <ul style="list-style-type: none"> - Waves, sound and energy transfer - Light colours, light filters - Loudness and Pitch - Detecting Sound - Echoes and Ultra sound
<p>Maths</p>	<ol style="list-style-type: none"> 1. Consolidation – Number, FDP, Statistics (1 week) 2. Consolidation – Number, FDP, Statistics (1 week) 3. Investigations Focus – Nrich, Badger Maths, Maths Group Work investigations
<p>Trips</p>	<ul style="list-style-type: none"> • El Hanager Arts Center - Hakawy International Arts Festival for Children • Nile River Cruise