




Castercliff Primary Academy – Medium Term Plan.



Year Group: 5	Overarching Question: Why do the planets move in predictable patterns around the Sun? What forces keep them in their orbits?	
	Topic Driver: Science	
Subject Area and Title		
History- Early Islamic Culture	Historical significance	
Science- LIGHT & ASTRONOMY 'EARTH & SPACE'	Record and answer questions	
DT-Mechanisms- CAMs used to make toys	Computing – Data Handling .Mars Rover 1	
Music – Blues.	PE – Swimming – Health, fitness and wellbeing	
R.E - Islam – Why is the Qur'an so important to Muslims?	MFL (French) - Our Local Area	
PSHE – My Happy Mind –		
	Meet Your Brain	Enrichment Trip to The World Museum, Liverpool.
Class Novel 5BC Tales from Shakespeare (Michael Morpurgo) 5NA Wonder (R.J. Palacio)	English	
Berlie Doherty	Text Street Child	Genres: Narrative -beginning Balanced argument



Castercliff Primary Academy – Medium Term Plan.



Week: 1	Subsidiary question: How do planets (including the Earth) move around the Sun?
<p>Topic Driver knowledge & skills Science. -LO: To describe the movement of Earth, and other planets, in relation to the Sun. -WS: To use a range of scientific equipment to take measurements with increasing accuracy and precision.</p>	<p>Secondary Subject knowledge & skills DT- To create a working gear system and explain its function</p> <p>Computing- To identify how and why data is collected from space?</p> <p>PSHE- My Happy Mind. Celebrate. Assembly and introduction to the unit.</p> <p>MFL- LO: To write a firework poem</p> <p>RE - To learn about the holy book for Muslims.</p> <p>History – To understand why this period in Islam (c.900) is important today.</p> <p>Music- Know the key features of blues music Play and perform in solo in ensemble contexts, using their voices with increasing accuracy, fluency, control and expression.</p>
<p>Vocabulary- Sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.</p>	<p>Vocabulary DT- annotate, a/cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.</p> <p>Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.</p> <p>PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol</p>

Castercliff Primary Academy – Medium Term Plan.

	<p>MFL- Le café- the cafe Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L'école – the school</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation</p>
--	---

Week: 2	Subsidiary question: How does the moon move?
<p>Topic Driver knowledge & skills -LO: Describe the movement of the moon. -WS: To describe patterns in relation to the moon. . -</p>	<p>Secondary Subject knowledge & skills DT- To improve a working gear system and suggest some applications.</p> <p>Computing- To read and calculate numbers using binary code.</p> <p>PSHE- My Happy Mind. Celebrate. LO: To look at characteristics and neuroplasticity.</p> <p>MFL- LO: To be able to read and understand useful instructions and commands in French.</p> <p>RE - To understand the importance of the Night of Power.</p>



Castercliff Primary Academy – Medium Term Plan.



	<p>History – To be able to explain how the Arab empire grew so quickly after the death of the Prophet Muhammad’s (PBUH) death.</p> <p>Music- To play the first line of the 12-bar blues. Use and understand staff notation.</p>
<ul style="list-style-type: none">● Vocabulary- hemisphere, sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.	<p>Vocabulary DT- annotate, a cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.</p> <p>Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.</p> <p>PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol</p> <p>MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L’école – the school</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes</p>



Castercliff Primary Academy – Medium Term Plan.



	Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation
--	---

Week: 3	Subsidiary question: What shape are the Sun, Earth and Moon?	
Topic Driver knowledge & skills -LO: Describe the Sun, Moon and Earth as approximately spherical bodies. -WS: Decide how to record and present evidence.	Secondary Subject knowledge & skills DT- To create a working pulley system and explain its function. Computing- To identify the computer architecture of the Mars Rovers. PSHE- My Happy Mind. Celebrate. LO: To look in detail at character strengths. MFL- LO:To be able to read, say and write some useful instructions in French. RE - History – : To be able to learn about the creation of Baghdad and how it was set up. Music: To be able to play the 12-bar blues	
Vocabulary- hemisphere, sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.	Vocabulary DT- annotate, acle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.	



Castercliff Primary Academy – Medium Term Plan.



	<p>Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.</p> <p>PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol</p> <p>MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L'école – the school</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation</p>
--	---

Week: 4	Subsidiary question: How do day and night occur?	
Topic Driver knowledge & skills	Secondary Subject knowledge & skills	
-LO: Use the idea of the Earth's rotation to explain night and day and the apparent movement of the Sun across the sky.	DT- To conduct market research to discover useful tasks an eco-gadget bike could perform.	



Castercliff Primary Academy – Medium Term Plan.



-WS: To decide how to record and present data.

-

Computing- To use simple operations to calculate bit patterns

PSHE- My Happy Mind. Celebrate.

LO: To understand how to grow character strengths.

MFL- LO: To be able to say and recognise the place names in a local town.

RE - To understand the importance of the Quran for Muslims.

History – To be able to understand and compare Baghdad to London and describe the differences between the two cities.

Music- To be able to play a blues scale.

Vocabulary- hemisphere, sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.

Vocabulary

DT- annotate, a/cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.

Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.

PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol

MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the



Castercliff Primary Academy – Medium Term Plan.



	<p>butchers, La boulangerie- the bakers, La patisserie- the cake shop, La pharmacie- the chemist, L'école – the school</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation</p>
--	---

Week: 5	Subsidiary question: How have scientific theories about space changed over time?
<p>Topic Driver knowledge & skills LO: To discover how theories about our solar system have changed. WS: To ask appropriate questions and find relevant answers.</p>	<p>Secondary Subject knowledge & skills</p> <p>DT- To design an eco-gadget bike using design criteria.</p> <p>Computing- To represent binary as text.</p> <p>PSHE- My Happy Mind. Celebrate. LO: To understand how we can use our character strengths in different situations.</p> <p>MFL- LO: To be able to ask where a place is in French.</p>



Castercliff Primary Academy – Medium Term Plan.



	<p>RE - To recognise and describe how a story from sacred text may provide inspiration or guidance</p> <p>History – To understand how different social classes lived in Islamic cities.</p> <p>Music- To be able to improvise with notes from the Blues scale Improvise and compose music for a range of purposes using the inter-related dimensions of music</p>
<p>Vocabulary- hemisphere, sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.</p>	<p>Vocabulary DT- annotate, a cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.</p> <p>Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.</p> <p>PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol</p> <p>MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L'école – the school</p>



Castercliff Primary Academy – Medium Term Plan.



	<p>RE - Quran, scared, Islam, Muslim, Night of Power, Five pillars, Prophet, verses, guidance, Angel Gabriel.</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation</p>
--	---

Week: 6	Subsidiary question:
<p>Topic Driver knowledge & skills -LO: To investigate the planets in the solar system. -WS: To be able to research and record observations.</p>	<p>Secondary Subject knowledge & skills DT- To evaluate an eco-gadget bike using design criteria.</p> <p>Computing-</p> <p>PSHE- My Happy Mind. Celebrate. LO: To understand how to use character strengths when worried.</p> <p>MFL- Assessment and understanding.</p> <p>RE -</p> <p>History – To be able to make judgements about which early Islamic achievement has most changed our lives today.</p>



Castercliff Primary Academy – Medium Term Plan.



	Music- Assessment
<p>Vocabulary- hemisphere, sun, moon, satellite, orbit, planet, star, solar system, axis, heliocentric model and geocentric model.</p>	<p>Vocabulary. DT- annotate, a cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy.</p> <p>Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.</p> <p>PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol</p> <p>MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L'école – the school</p> <p>RE - Quran, scared, Islam, Muslim, Night of Power, Five pillars, Prophet, verses, guidance, Angel Gabriel</p> <p>History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration</p> <p>Music- 12-bar blues, ascending scale, backing track, bar, bent notes Blues, blues scale, chord, convey, descending scale, expression, features Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation</p>



Castercliff Primary Academy – Medium Term Plan.



Week: 7	Subsidiary question: Assessment KAHOOT.
Topic Driver knowledge & skills - Assessment.	Secondary Subject knowledge & skills DT- Assessment Computing- Assessment PSHE- My Happy Mind. Celebrate. LO: Survey and reflection. MFL- RE - History – Assessment Music- Performance
Vocabulary-	Vocabulary DT- annotate, a/cle, force gear, gear system, input, machine, market research, mechanism, output, pulley, sustainability, renewable energy. Computing- 8-bit binary, data transmission, binary code, byte, data, input, discovery, Mars Rover, numerical data, output, input.



Castercliff Primary Academy – Medium Term Plan.



PSHE- Wisdom, Courage, Humanity, Justice, Temperance, Transcendence, Virtues, Strengths Spotting, Top Strengths, Neuroplasticity, Team H-A-P, Dopamine, Habits, Neural Pathways, Cortisol

MFL- Le cinéma- the cinema, Le restaurant – the restaurant, Le supermarché- the supermarket, Le stade – the stadium, La boucherie- the butchers, La boulangerie- the bakers, La pâtisserie- the cake shop, La pharmacie- the chemist, L'école – the school

RE - - Quran, scared, Islam, Muslim, Night of Power, Five pillars, Prophet, verses, guidance, Angel Gabriel

History – Baghdad, Cordoba, House of Wisdom, Mosque, Ramadan, Scholar, Prophet Muhammad (PBUH), Merchant, Manuscript, Ailments, Madrassa, Crusades, Arabic, Silk Road, Trade, Empire, Migration

Music- 12-bar blues, ascending scale, backing track, bar, bent notes
Blues, blues scale, chord, convey, descending scale, expression, features
Flat, improvisation, lyrics, pitch, quavers, scale, sharp, solo, staff notation