Federation of Per	nny Acres and V Ma Dut of this Wor <u>Key St</u>	Wigley Primar ap Id Spring 2022 age 2	<u>y Schools – Topic</u>
 <u>Curriculum driver(s) -</u> Looking to the future of space e delving into the past. Looking at changes in technolog with black and gender personne 	xploration whilst y, personnel and !	Aims/Values dri aims/values) – • prepar of life a • provid experie out of ways to	ivers (taken from school's key ring the children for the challenges and citizenship in the 21 st Century; ing them with new and exciting ences, encouraging them to move their 'comfort zone' and identifying o develop and improve.
What is happening in space at the m History of space travel. Women in sp What are the planets in our solar sys Visits/Visitors -	oment? bace. tem?	Plan a display the moon buggies,	hat -s 'Out of this World'. Looking at exploration, art and poetry.
Space Centre - Leicester		Wigley - Drama	
	Eng	lish	
Reading (including key texts)	Wri	ting	Spelling and Grammar
Cosmic- Frank Cottrell-Boyce – fantasy/science fiction Dr Maggie's Grand Tour of the Solar System – non-fiction explanation text Science Fiction/fantasy (Iron Man) Blackout poetry	Y3/4 write sentences with clause by using a wid connectives commas for lists Y5/6 commas for clarity	n more than one der range of	Y3/4 present perfect forms of the verb past progressive/present progressive sentence types Y5/6 active and Passive subjunctive modal verbs hyphens
Tiered vocabulary	constellations helioc spherical sphere ecli bodies crescent illun waxing expanse crev night light day Earth tide journey	entric geocentric gibt pse satellite universe ninate lunar galaxy gra <i>r</i> ice visibility vast Sun moon planets sta	solar astronomer sundial rotate orbit axis avity longitude crater equator phase waning ar solar system heat movement telescope
	Nume	eracy	
	Fract	tions	
Y 3/4 Main requir parts Recognise a harf Recognise a harf Red a harf Recognise a harf Red a quarter Red a quarter Red a quarter Red quarte	Becquese territy and hundredfes Tenhon an decrinal Tenhon an explore value grad Hourdenbox an efformativ Hourdenbox an efformativ Tenhon an explore value grad Tonkon for an addres value grad Tonkon for an addres value grad Tonkon for an addres value grad	Konstanting Konstantin Konstantin Konstantin Konstantin Konstantin	Province of a constraint
Y3 vocabulary: equal, equivalent, parts, w equation, integer, non-unit fraction, numerat represent, share, group, mixed number, whol set of objects, multiply, tenth, interval, inequa	hole, unit, fraction, or, denominator, e number, divide, ality statement,	Y5 vocabulary: e fraction, simplify, ex convert, sequence, o (=), whole, efficient, proper fraction, imp proportion, halves, o decimal, decimal pla point, place value, d exchange, column,	quivalent, numerator, denominator, home, spand, division, improper, mixed number, order, greater than (>), less than (<), equal to common denominator, operator, whole(s), roper fraction, fraction of amount, ratio, quarters, fifths, ace, tenths, hundredths, thousandths, decimal igit, fractions, percent (%), percentages,

Y4 Vocabulary: tenths, hundredths, equivalent, simplify, numerator, denominator, fraction, mixed number, improper fraction, simplest fraction, add, subtract, fraction of an amount, tens, ones, decimal point, tenths, hundredths, greater than, equivalent, less than, decimal, centimetre, millimetre, decimal point, 0.1, 0.01, whole number, greater than (>), less than (<), equal to (=), order, compare, convert, ascending, descending,

Y6 vocabulary: multiply, divide, decimal, decimal place (dp), reoccurring decimal, decimal place, place value, tenths, hundredths, thousandths, products, fraction, percent (%), percentage, parts, whole, decimal, fraction, divide, share, multiply, convert, compare, order, equivalent fraction, simplify, less than (>), greater than (>),

		Geometry – pro	perties of sha	ре		
Y3/4			Y5/6			
,	Turns and angles		,		Measure with a protractor	
	Pight angles in shapes		Identify angles		Draw lines and angles accurately	
	Right angles in shapes		Compare and order angles	Describe position	Angles on a straight line	
	Compare angles		Measuring with a protractor (1)	Draw on a grid	Angles around a point	
	Identify angles		Measuring with a protractor (2)	Position in the first quadrant	Calculate angles	
	Compare and order angles		Drawing lines and angles accurately Calculating angles on a straight line	Translation with coordinates	Angles in a triangle	
	Recognise and describe 2-D shapes		Calculating angles around a point	Lines of symmetry	Angles in a triangle - special cases	
Turns and anales	Triangles		Triangles Quarte laterals	Complete a symmetric figure	Angles in special quadrilaterals	
Right angles in shapes	Thangles	Describe position	Calculating lengths and angles in shapes	Reflection	Angles in regular polygons	
Compare angles Draw accurately	Quadrilaterals	Draw on a grid	Regular and irregular polygons	Reflection with coordinates	Draw shapes accurately Draw nets of 3-D shapes	
Horizontal and vertical	Horizontal and vertical	Draw off a grid	Reasoning about 3-0 shapes			
Perallel and perpendicular Recomise and describe 2-D shares	Lines of symmetry	Move on a grid				
Recognise and describe 3-D shapes	Complete a symmetric figure	Describe movement on a grid				
Make 3-D shapes		Describe movement of a grid				
vertical, horizu rhombus, para pyramid, cone clockwise, ant (E), west (W), line, acute ang Y4 Vocabulary angle, angle, a isosceles, scal symmetry, eq triangle, penta octagon, octaj trapezium, po position, horiz square, rectar south (S), east south-east (SE translate, trar degree, right a set square,	Ingrangle, backer, out ontal, triangle, quadrilla allelogram, cuboid, tria a, cylinder, sphere, edg ticlockwise, orientatior horizontal, vertical, dia gle, obtuse angle, y: : quadrilateral, triang acute, obtuse, reflect, n ene, equilateral, triang acute, obtuse, reflect, n ene, equilateral, line o uilateral triangle, isosc agon, pentagonal, hexa gonal, quadrilateral, pa lygon, parallel, perpen zontal, vertical, up, dow ngle, plot, vertex, vertiti t (E), west (W), north-ee E), south-west (SW), ho sslation, angle measure angle, straight line, acu	Atteral, kite, trapezium, angular prism, square-based les, spaces, vertices, n, north (N), south (S), east agonal, right angle, straight gle, regular, irregular, interior right angle, symmetrical, f symmetry, reflective eles, triangle, scalene agon, hexagonal, heptagon, arallelogram, rhombus, dicular, wn, left, right, coordinate, ces, point, grid, north (N), tast (NE), north-west (NW), prizontal, vertical, diagonal, er, protractor, compass, ite, obtuse, reflex, reflection,	obtuse angle, re anticlockwise, c view, regular, in hexagon, penta regular and irre vertices, coordi Y6 vocabulary: i triangle, right a polygon, quadri diameter, radiu pyramid, tetrah cuboid, cube,	angle, while ta eflex angle, inte rregular, 3D sha gon, triangle, to gular polygons, nates, mirror lir degree, angle, a ngle, isosceles, lateral, kite, pa s, circumferenc edron, cylinder	rior angle, degi allel, perpendic pe, pyramid, sp pp view, plan vi reflection, trar ne, horizontal a neute, obtuse, r equilateral, sca rallelogram, rhi e, concentric, p , prism, vertica	rees (°), clockwise, ular, quadrilateral, ihere, cone, ew, side view, slation, vertex, xis, vertical axis, eflex, protractor, lene, regular, ombus, trapezium, perimeter, net, Ily opposite angles,
		Scie	ence			
		Key Vocabulary and links	to programm	es of study)		

Y3/4

Y3/4 During the rock topic we will.....

Study rock collections and precious stones. Compare and group rocks on the basis of simple physical properties. Identify and classify rocks. Relate the properties of rocks to their uses. Observe rocks, including buildings and weathering, and explore how and why they may have changed over time. Describe how fossils are formed when things are trapped within rocks. Find out about sedimentary and igneous rocks. Recognise how soil is made from rocks and organic matter. Investigate different soils.

Vocabulary- rock, soil, granite, sandstone, limestone, marble, pebble, absorb, fossil, sedimentary, igneous, organic.

Y5/6

Use models of sun, earth and moon to show relative sizes and distances. Find out about the movement of the earth and other planets relative to the sun. Create solar system models. Use the idea of the earth's rotation to explain night and day and the apparent movement of the sun across the sky. Compare time of day at different places on the earth. Construct simple shadow clocks and sun dials to show mid-day and the start and end of the school day. Find out about Stonehenge as an astronomical clock. Research famous astronauts eg Neil Armstrong. Describe the movement of the moon relative to the earth. Research a planet and make a presentation about it.

Vocabular	y- planet, orbit, astronaut, satellite, space station, universe, weightlessness, lunar, meteor
	Computing
Graphing	data and Safer Internet use:
• 1	o understand now to use a blog salely to communicate with a wider audience
• 1	o consider if what can be read on websites is always true
•	o know where to get help if I see inappropriate content or have inappropriate communication
•	o enter data into a graph and answer questions
•	Geography
	Geography
Links to t	he National Curriculum: human geography, including: types of settlement and land use,
economi	c activity including trade links, and the distribution of natural resources including energy,
food, mir	nerals and water
Key Vocak	oulary: agriculturist, landscape, community, settlement, vegetation, hydroponics, natural
resources	, man-made resources, sustainable, indigenous, development, irrigation, terrain, natural,
settlemen	t, subterranean, congestion, land use, import, export, location.
Y3/4 Expla	ain about natural resources e.g. water in the locality. Ask and respond to geographical questions
e.g. Descr	ibe the landscape. What would you need for a settlement on Mars? Where do we get energy?
Water?	
Y5/6 Desc	ribe and understand key aspects of human geography including: types of settlement and land use,
economic	activity including trade links, and the distribution of natural resources including energy, minerals,
food and	water. What resources do we trade? How has trading changed?
	History
Links to t	he National Curriculum: A significant turn in British history. Devise historically valid questions
about cha	nge, cause and significance.
Key Vocat	oulary: astronomy, astronomer, atmosphere, economy, dwarf planet, Earth, equator, galaxy,
gravity, Ju	piter, Mars, Martian, mercury, moon, Neptune, orbit, planet, Pluto, satellite, Saturn, sol,
spacecraft	t, sun, Universe, Uranus, Venus, volcanologist, voyage, yestersol.
Y3/4 Use	sources of information in ways that go beyond simple observations to answer questions about the
past.	
15/0 IVIdK	e comparisons between aspects of periods of history and the present day. Provide an account of
	RE /Modern British Values
	(Using the Derbyshire Syllabus)
What doe	s it mean to be a Muslim in Britain today?
Vocabular	y: Allah, Hajj, headscarf, hijab, Islam, Islamic, jihad, jihadi, Mecca, minaret, mosque, Muhammed,
Muslim, p	rayer mat, prophet, Ramadan, salaam, the Koran, the Qu'ran, veil, yashmak
What mat	ters most to Christians and humanists?
Vocabular	y: worldview, humanism, humanists, atheist, agnostic, influential, rationality, reason, beliefs,
ethical, sy	mbol, dilemma, decisions, culture, naturalist, feminist, scriptures, afterlife, values.
	PSHE/Modern British Values
	(Using PSHE Matters))
Difference	e and Diversity (people in space)
Being Res	ponsible
	Art
	(Key Vocabulary and links to programmes of study)
101-1	Join, attach, paper mache, dysfunctional, culture, heritage, family, pattern, batik
Y3/4 Yinka	a Shonibare Aliens (3D Design)
Y5/6 Yinka	a Shonibare Aliens (3D Design)
	DT
	(Key Vocabulary and links to programmes of study)
Y3/4 Mak	e a moon buggy, create design sketches. Use pneumatics to move your buggy forward.
· · · · ·	e a moon huggy create design sketches. Use came nulleys and gears to move the vehicle

	Music
ann	IVIUSIC reciate and understand a wide range of high-quality live and recorded music drawn from different
app	traditions and from great composers and musicians
	develop an understanding of the history of music
ennvi	ucres – flute lessons. Singing – Young Voices
	- singing - Young Voices Listening and Appraising - Gustav Holst - The Planets
rigiey	
	r L (Key Vocabulary and links to programmes of study)
Viglov	- Movement - Space Perform dances using a range of movement patterns
F _ P	- Movement - space renorm dances using a range of movement patterns.
	gby - play competitive games, modified where appropriate
enny /	Eronch
	appreciate stories, songs, nears and rhymos in the language
bro	appreciate stories, songs, poeris and myrites in the language
010	familiar written material including through using a dictionary
3/110	arm the names of the planets. Learn the days of the week and colours to hole describe the planets
5/4 Le	and the names of the planets. Learn the days of the week and colours to help describe the planets.
5/0 Le	and the names of the planets. Revise colours and days of the week. Learn prepositions and
ntony	
	nome work of row official sectors and sect
e.g.	M
e.g.	M A
e.g.	M A R
e.g.	M A R S
e.g.	M A R S This could be a list of words beginning with each letter, a sentence for each line or even a rhyme.
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e.g. 3. 4. 5. 6. 7.	M A R S This could be a list of words beginning with each letter, a sentence for each line or even a rhyme. Find out facts about the space missions – What was the first creature sent into space? Who was the first astronaut? Who was the first astronaut? Who was the first man on the moon? /hat other interesting facts can you find? Bake your own space themed cookies or biscuits. They could be star, rocket or planet shaped. They could even include space rocks such as popping candy! Write the recipe in your homework jotter. Feel free to share your biscuits with your teacher! Make a 3D model rocket with a parachute to aid re-entry. Keep a sky at night journal for a whole week. Write about everything you can see in the sky. You could draw a picture of the moon every night. Does it change over the course of the week? Prepare a lesson to teach the class about an aspect of Space you enjoy (Be ready to teach it!)
e.g. 3. V 4. 5. 6. 7. 8.	M A R S This could be a list of words beginning with each letter, a sentence for each line or even a rhyme. Find out facts about the space missions – What was the first creature sent into space? Who was the first astronaut? Who was the first man on the moon? /hat other interesting facts can you find? Bake your own space themed cookies or biscuits. They could be star, rocket or planet shaped. They could even include space rocks such as popping candy! Write the recipe in your homework jotter. Feel free to share your biscuits with your teacher! Make a 3D model rocket with a parachute to aid re-entry. Keep a sky at night journal for a whole week. Write about everything you can see in the sky. You could draw a picture of the moon every night. Does it change over the course of the week? Prepare a lesson to teach the class about an aspect of Space you enjoy (Be ready to teach it!) Create a timeline to show the history of space travel.
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e.g. 3. 4. 5. 6. 7. 8. 9. 10.	M A R S This could be a list of words beginning with each letter, a sentence for each line or even a rhyme. Find out facts about the space missions – What was the first creature sent into space? Who was the first astronaut? Who was the first astronaut? Who was the first man on the moon? /hat other interesting facts can you find? Bake your own space themed cookies or biscuits. They could be star, rocket or planet shaped. They could even include space rocks such as popping candy! Write the recipe in your homework jotter. Feel free to share your biscuits with your teacher! Make a 3D model rocket with a parachute to aid re-entry. Keep a sky at night journal for a whole week. Write about everything you can see in the sky. You could draw a picture of the moon every night. Does it change over the course of the week? Prepare a lesson to teach the class about an aspect of Space you enjoy (Be ready to teach it!) Create a timeline to show the history of space travel. Create a new mnemonic that will help others in the class remember the names of the planets and their order from the sun. Use scrap paper, foil, sweet wrappers and other junk around the house to create your own space collage.
e.g. 3. 7. 8. 9. 10. 11.	M A R S This could be a list of words beginning with each letter, a sentence for each line or even a rhyme. Find out facts about the space missions – What was the first creature sent into space? Who was the first astronaut? Who was the first astronaut? Who was the first astronaut? Mo was the first astronaut? Make your own space themed cookies or biscuits. They could be star, rocket or planet shaped. They could even include space rocks such as popping candy! Write the recipe in your homework jotter. Feel free to share your biscuits with your teacher! Make a 3D model rocket with a parachute to aid re-entry. Keep a sky at night journal for a whole week. Write about everything you can see in the sky. You could draw a picture of the moon every night. Does it change over the course of the week? Prepare a lesson to teach the class about an aspect of Space you enjoy (Be ready to teach it!) Create a timeline to show the history of space travel. Create a new mnemonic that will help others in the class remember the names of the planets and their order from the sun. Use scrap paper, foil, sweet wrappers and other junk around the house to create your own space collage. If you could move somewhere else in the world, where would it be and why?