

Urban Pioneers Year 3/4

In **Art and Design** we will:

- Improve mastery of art and design techniques, including drawing, painting and sculpture with a range of materials.
- Create sketch books to record observations and use them to review and revisit ideas.
- Find out about great artists, architects and designers in history.

History

- Conduct a local history study.

In **Computing** we will:

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. Including collecting, analysing, evaluating and presenting data and information.

Use sequence, selection, and repetition in program; work with variables and various forms of input and output.

Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

Design, write and debug programs that accomplish specific goals. Including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviours; identify a range of ways to report concerns about content and contact.

In **Geography** we will:

- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features.
- Understand geographical similarities and differences through the study of human and physical geography of a region of the UK, a region in a European country, and a region within North or South America.
- Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.

In **Science** we will:

- Recognise that light is needed in order to see things and that dark is the absence of light.
- Notice that light is reflected from surfaces.
- Recognise that shadows are formed when the light from a light source is blocked by a solid object.
- Recognise that light from the sun can be dangerous and that there are ways to protect eyes.
- Find patterns in the way that the size of shadows change.
- Ask relevant questions and use different types of scientific enquiries to answer them.

In **R.E** we will:

- How people's beliefs about God impact others and the world.

In **French** we will:

- Learn the names and locations of major French towns and cities.
- Name and locate French speaking countries around the world.
- Learn the phrase "Ou vas-tu?" to ask and respond to.

In **P.S.H.E** we will:

- Talk and write about issues that affect themselves and society. Recognise the different risks in different situations and decide how to behave responsibly. Make real choices and decisions.

In **P.E** we will:

- Take part in outdoor adventure activities.
- To consolidate and improve throwing, catching, running and jumping skills in athletics.
- Develop standing, high, triple and long jump techniques.
- Describe and evaluate their own and others' performance.

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In **Maths** we will learn how to:

Year 3: Mental multiplication and division to scale up by multiplying by 4 (double twice) and by 10. Scale down by dividing by 4 (halve twice) and by 10. Divide numbers just beyond the times tables with and without remainders. Year 4: Find factors less than 50. Use factors to carry out mental multiplication. Find the product of 3 single-digit numbers using commutatively to help. Use times tables and place value to divide multiples of 10. Solve scaling problems. Convert from cm to m. Solve correspondence problems and use written division by chunking.

Year 3: Recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn. Identify whether angles are greater than or less than a right angle. Identify perpendicular and parallel lines. Count faces, vertices and edges of 3D shapes. Know units of time and the relationships between them. Year 4: Complete shapes with respect to a line of symmetry. Recognise and compare acute and obtuse angles and angles of 90 degrees. Compare and classify triangles and quadrilaterals based on properties including types of angles.

Year 3: Understand tenths, and find tenths of amounts. Understand fractions as both numbers and operators. Find unit and non-unit fractions of amounts. Find fractions equivalent to half and a quarter. Add and subtract fractions with the same denominator within one whole. Year 4: Identify equivalent fractions, including decimals. Find non-unit fractions of amounts. Solve fraction word problems. Use written methods to divide two-digit no's by single-digit no's, answers less than 30.

Year 3: Written addition to add three or four 2-digit numbers using compact method and estimate answers. Use column addition to add three 3-digit numbers and add two amounts of money. Use mental subtraction, finding the difference to count up. Year 4: Read the 24-hour clock converting times to am and pm, both digital and analogue formats. Find time intervals using 24-hour clock. Read, interpret and describe a line graph. Draw a line graph. Convert between units of time.

Year 3: Add 3-digit numbers using place value. Subtract 3-digit numbers using place value. Written multiplication using grid method. Mental division using times tables to help. Solve correspondence problems. Year 4: Written multiplication using the ladder method to multiply 3-digit numbers. Word problems using all four operations.

In **English** we will learn how to:

Ask relevant questions to extend knowledge and understanding.

Give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings.

Participate in discussions, presentations, performances, role play, improvisations and debates.

Maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments.

Listen and respond appropriately to adults and peers.

Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas.

Articulate and justify answers, arguments and opinions.

Consider and evaluate different viewpoints, attending to and building on the contributions of others.

Discuss and record ideas.

Proof-read for spelling and punctuation errors.

Compose and rehearse sentences orally, progressively building a varied and rich vocabulary and an increasing range of sentence structures.

Read aloud own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

Assess the effectiveness of own and others writing and suggest improvements.

Organise paragraphs around a theme.

Discuss writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar.

Listen to and discuss a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks.

Discuss words and phrases that capture the reader's interest and imagination.

Retrieve and record information from non-fiction.