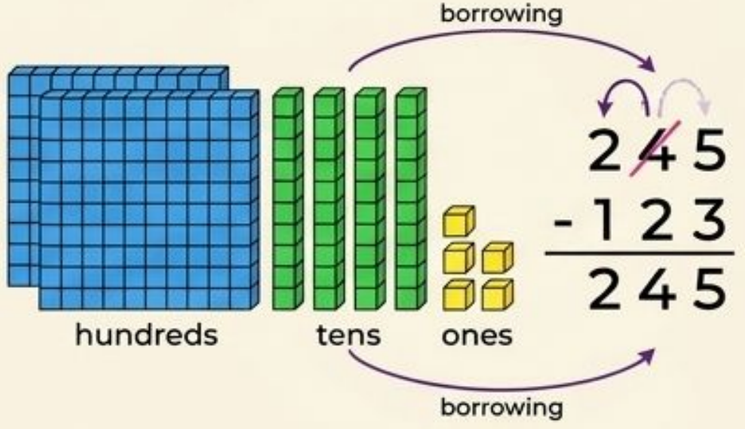
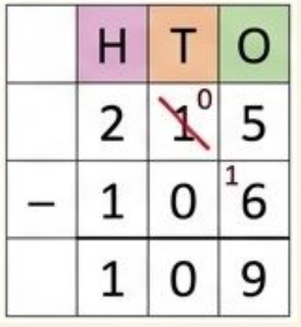
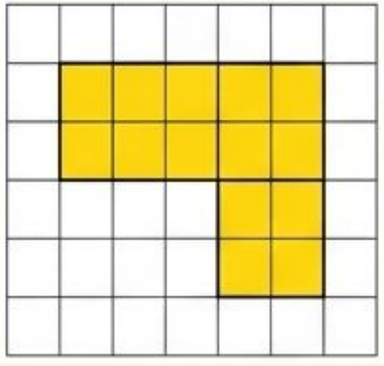
What we are learning this half term in LKS2

Welcome Back to the Autumn Term

Year 3	Year 3/4	Year 4
Addition & Subtraction • Adding and subtracting multiples. • Mastering 3-digit mental and columnar methods (with and without exchanges). • Learning how to estimate and check answers.  	**Addition & Subtraction** • Bridging Year 3 and Year 4 concepts. • Tackling 3-digit and 4-digit addition and subtraction. • Developing mental calculation strategies alongside estimating.	**Addition, Subtraction & Measurement** • Adding and subtracting 4-digit numbers using formal columnar written methods with exchanges. • Understanding area, counting squares to calculate the area of rectilinear shapes, and drawing and comparing shapes.  

Literature & Reading



Core Texts: 'The Magic Box' by Kit Wright (Poetry, figurative language, writing and performing poems) and 'How to Wash a Woolly Mammoth' by Michelle Robinson (Instructional writing, imperative verbs, persuasive adverts).

Reading Skills: Making inferences into characters' motives, thoughts, and feelings across story points; analysing the author's choice of vocabulary; and summarising key ideas.



SPaG Progression

Year 3	Year 3/4	Year 4
Word classes (vowels, consonants, definite/indefinite articles 'a/an', determiners) **& Direct Speech Punctuation** (recognising and punctuating direct speech).	**Conjunctions** (coordinating and subordinating conjunctions for time, place, cause) **& Speech Punctuation** (understanding direct vs indirect speech).	**Word classes** (differentiating pronouns vs nouns, expanding noun phrases) **& Dialogue Punctuation** (punctuating speech accurately with inverted commas and punctuation).

Stone Age, Bronze Age & Iron Age

- **Stone Age life:** Busting 'caveman' myths and exploring what the preserved Neolithic village of Skara Brae reveals about daily life.

- **Bronze Age inventions:** Discovering how copper and tin were cast into stronger, recyclable tools—tested in class by moulding melted chocolate into foil 'axes.'

- **The first farmers:** Learning how growing crops and keeping livestock led nomadic hunter-gatherers to build permanent settlements.



- **Iron tools and hillforts:** Exploring how affordable iron tools boosted farming and why communities built defended hillforts, much like the still visible across Northumberland.

- **Change and continuity:** Comparing what transformed across the Stone, Bronze, and Iron Ages with everyday traditions that stayed the same, including farming, weaving, and pottery.

Creating Media: Stop-Frame Animation



How pictures move & Stop-frame basics:

Discovering how a sequence of drawings creates movement by making sticky-note flip books. Using tablets to see how small, careful changes between frames bring objects to life on screen.



Storyboarding:

Thinking like real animators to plan out characters, settings, and storylines.



Filming and refining:

Shooting their animations with ‘onion skinning’ guides to keep movements smooth, then improving their work using feedback.



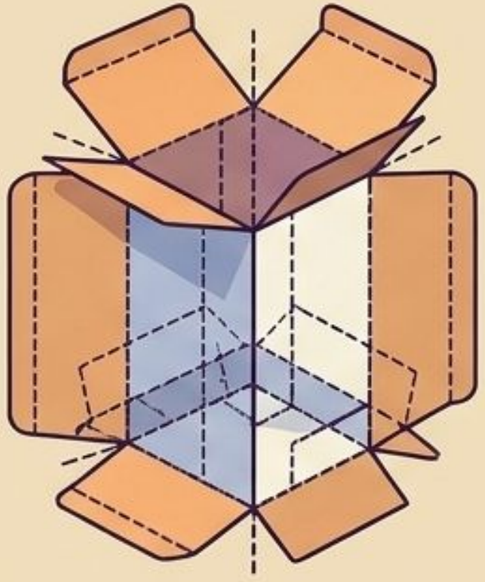
The finishing touches:

Adding music, text, and effects to polish and evaluate their completed short films.

Structures: Product Packaging

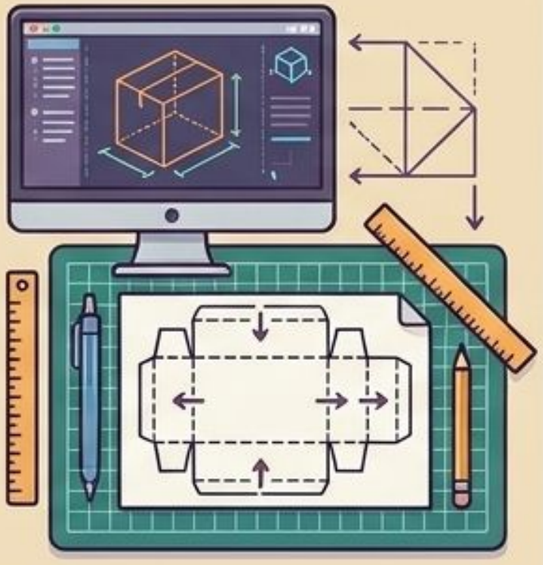
Phase 1: Exploration

Exploring 3D product packaging and understanding the mechanics of shell structures.



Phase 2: Digital & 2D Design

Designing computer-aided design (CAD) layouts and 2D paper nets for 3D packaging. Reviewing and refining these net designs.



Phase 3: Construction

Constructing physical 3D structures from the 2D nets to securely package a healthy snack.



Phase 4: Evaluation

Decorating the final prototype and evaluating its success against a specific design brief.



Relationships

- Celebrating unique identities, cultivating self-respect, and taking pride in who we are.
- Building the foundations of healthy friendships and practising empathy.
- Challenging societal stereotypes.
- Understanding personal boundaries and consent (the absolute ‘right to say no’).
- Learning about and celebrating diverse family structures.
- Standing up against bullying and peer pressure to build an inclusive community.







Health & Wellbeing

- Maintaining healthy physical lifestyles.
- Nurturing emotional wellbeing and understanding personal safety.







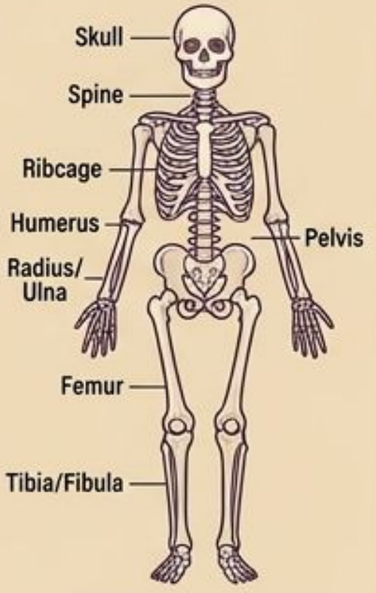


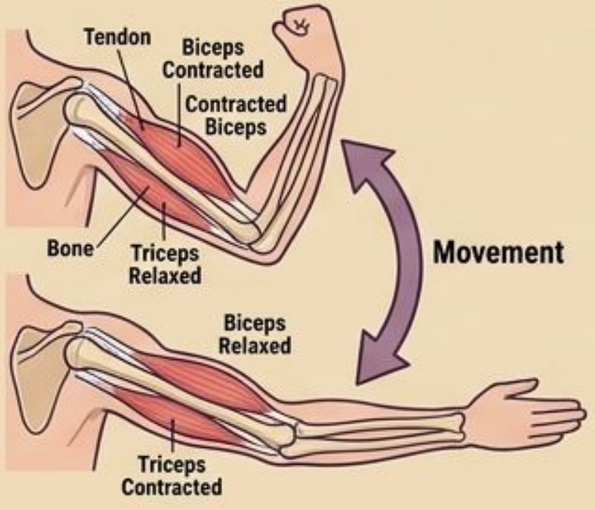


Curriculum Convergence: Anatomy & Ecology

Skeletons & Anatomy

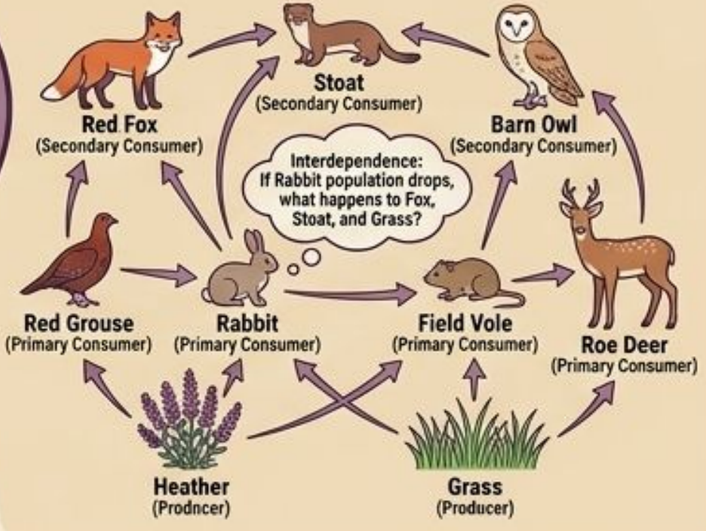
- Naming the three main functions of the human skeleton.
- Understanding how muscles move and attach to bones via tendons.
- Exploring how antagonistic muscle pairs work together to create movement.

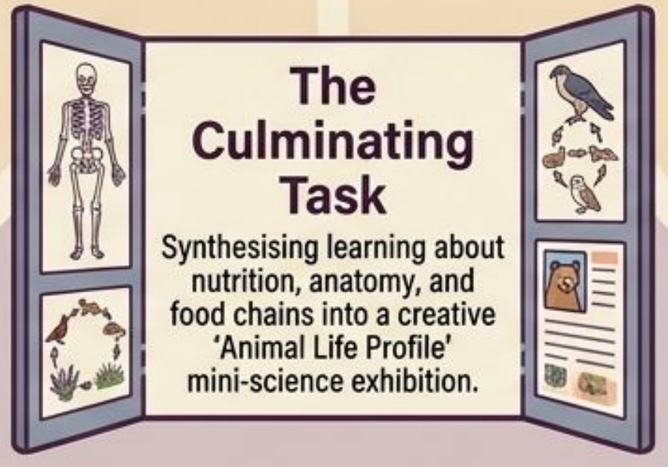




Food Chains & Interdependence

- Tracking energy flow: starting with plants as producers, moving to animals as consumers.
- Constructing simple food chains and identifying specific food chains found locally in Northumberland.
- Understanding ecological interdependence and predicting the impacts on a food web if one species disappears.





Physical Education (PE)

- Teacher-Led benchball. development.
- NUF Coaching focusing on modified team games.



Religious Education (RE)

- Exploring Christianity and understanding the concept of the 'Trinity' (Father, Son, and Holy Spirit).



Music

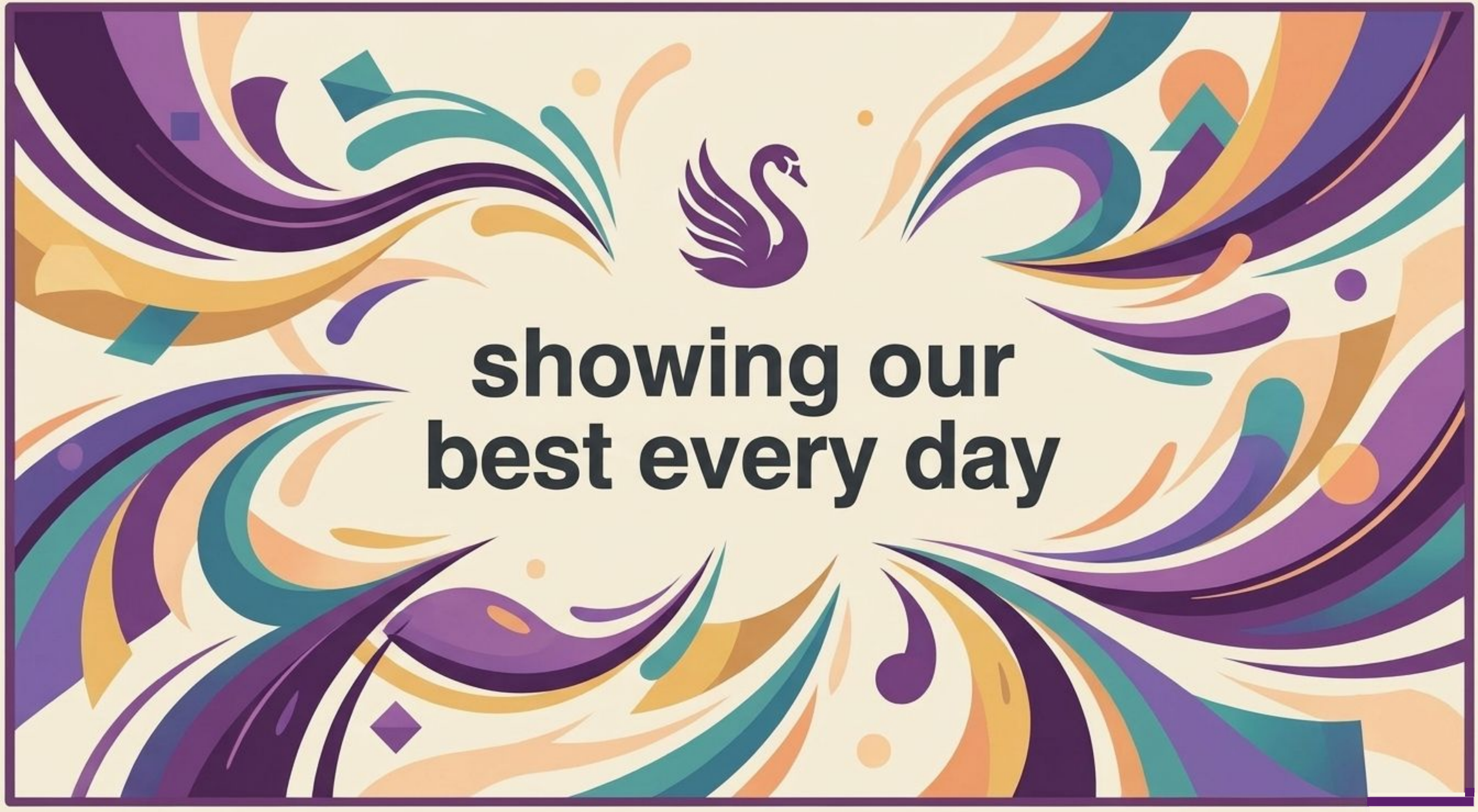
- 'Playing in a Band': Learning how time signatures organise the beat and how combining different notes creates harmony.
- Preparing for the upcoming Christmas production.



French

- Saying hello and goodbye.
- Introducing myself and asking someone else's name.
- Asking how somebody is and responding to that question myself.
- The main colours.
- Writing a letter to Father Christmas.




showing our
best every day