

Biology: Cell Biology

- Animal and plant cells
- Eukaryotes and prokaryotes
- Microscopy
- Specialised cells and cell differentiation
- Stem cells
- Mitosis and cell cycle
- Binary fission

Art: Doodles

- Use lines and marks to create doodles
- Using images to recreate the work of given artist
- Experimenting with media
- Reflecting on and evaluating their own and others' work
- Symbolism and symbolic use of objects, images, words
- Developing use of materials to create tones and contrast

Computing: Data Representation

- Understand how computer networks function, how to use and maintain them
- Dealing with issues surrounding social media use
- Introduction to number system units

Mathematics: Develop Fluency

- move freely between different numerical, algebraic, graphical and diagrammatic representations [for example, equivalent fractions, fractions and decimals, and equations and graphs]
- develop algebraic and graphical fluency, including understanding linear and simple quadratic functions

Drama: The Heist

- Develop understanding of plot, characters and setting in a contemporary play
- Explore the social and historical context of the play
- Dramatize key scenes
- Script writing
- Articulating lines in the role

History: African American Civil Rights

- To what extent did life change for African Americans in the USA?
- Black British Protest
- Discrimination and segregation
- Key events e.g. Montgomery Bus Boycott and the actions of key individuals
- Equality, diversity, racism

Design Technology: Resistant Materials (Structures Project)

- What structures do, types of structure, list causes of structural failure
- Similarities between frame structures, and how to make frame structures rigid
- Different types of force that a frame structure can be subjected to
- Sketching design which shows at least 2 views (front and side) neatly laid out
- Creating a parts list and work out the number of art straws needed to make the bridge, and using appropriate tools and equipment

English: Modern Play (The Crucible)

- Conventions of a play
- Historical context
- Social issues linked to play
- Character development
- Analysis of language, form and structure used by playwright to create meanings and effects
- Using relevant subject terminology
- Formulating ideas and interpretations, supported by relevant quotations



WHAT AM I LEARNING?

Geography: An Unequal World

- **Propositional Knowledge:** Why are some countries more developed than others? What does it mean to be developed? How can less developed countries improve the quality of life for their people?
- **Procedural Knowledge:** Identify and understand ways that we can measure the development of each country. Use development indicators to compare different countries to understand levels of development.

PSHE: Relationships

- Sexual health
- Consent
- Sex and the media
- Unhealthy relationships
- Gender Identity
- Sexual orientation
- FGM

Chemistry: Periodic Table

- Atoms, elements and compounds
- Chemical equations
- Separating mixtures
- Models of atom
- Features of atom
- Isotopes and RAM
- Electrons in atoms
- Developing of the periodic table
- Alkali and transition metals; halogens

Spanish: We're Like This

- trip to the cinema; birthday celebrations, opinions; free time activities; expressions of frequency; days of the week
- **Grammar:** impersonal verbs (me mola); using three tenses
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously

RE: World Religions

- How religion affects cultures around the world
- Differences and similarities of religions - make links and begin developing evaluative skills
- Daoism, Zoroastrianism, Jainism, scientology, cult, Mormonism

Physics: Energy, Forces

- Energy Transfers
- Efficiency
- Power
- Kinetic Energy
- Gravitational Potential Energy
- Elastic potential Energy

Music: Hip Hop and Rap

- Writing Lyrics: In this unit, students will compose and perform their own music, in the style of a hip-hop song using Muse Score or Logic
- Learning to play the Ostinato's of various Hip Hop/Rap songs including The Real Slim Shady
- Social and cultural associations of hip-hop and rap, its origins and perform a hip-hop ostinato; vocal techniques;

French: Planète Facebook

- Talking about online activities; complex structures to talk about others; arranging to go out; describing an outing in the past; describing a musical event.
- **Grammar:** direct object pronouns, the near future tense, the past tense, using three tenses.
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously.

German: Role Models

- Describing role models and how they inspire; naming parts of the body and giving instructions; talking about accidents
- **Grammar:** using adverbs, verbs in different tenses, the imperative, time phrases
- **Skills:** strategies for listening, speaking, reading, writing and vocabulary learning are revisited continuously

PE: Invasion – Rugby (building on)

- Applying the principles of play to score tries and/or get the ball back in defence
- Application of the core skills through games-based scenarios
- Catch & Pass
- Tackle Technique
- Body Positioning at Breakdown
- Scanning (spatial awareness)