

## **Year 6 Curriculum Overview Autumn Term**

### **ENGLISH**

- The Year 6 course book forms the basis of the curriculum. Past 11+ papers extend and reinforce best practice. Techniques and guidelines improve comprehension and composition. Pupils are assessed through the NFER papers
- There is also Harvest themed creative work
- Revision of Word Class, Spelling, Vocabulary and Punctuation
- Past 11+ papers extend and reinforce examination technique. Pupils refine both comprehension and composition skills through the study of past papers
- Other topics include homophones, proverbs and idioms. Christmas themed creative work
- Interview practice and techniques
- Online English Paper on computer

### **MATHEMATICS**

- Timetables
- Addition and subtraction of decimals.
- Roman Numerals
- Powers: Index notation. BIDMAS rule for algebraic manipulation.
- Multiplication and division including use of decimals.
- Fractions, percentages and decimals and conversion from one to the other.
- Number types: Square numbers, prime numbers and triangle numbers.
- Area of plane figures and compound plane figures.
- Mean, median, mode and range. Grouped frequency tables.
- Sequences: Function machines.
- Coordinates: Four quadrants.

- Completion of past papers.
- Ratio and proportion.
- Negative and positive integers. Rules for addition, subtraction, multiplication.
- Angles of triangles and lines.
- Algebra: Using letters. Defining like terms. Collecting like terms.
- Algebra: Using brackets.
- Algebra: Substituting into more complex expressions.
- Algebra: Revising and solving equations.
- Squares, cubes and roots.
- Use of a calculator to find the above.
- Estimation and checking of calculations
- Arithmogons.
- Equations of straight lines.
- Using algebra to represent problems.
- Online Mathematics Paper on computer.
- Primary Maths Challenge

## SCIENCE

### Microbes & Disease:

- Identifying features found in a living cell.
- Similarities and differences between plant and animal cells.
- Microbes: bacteria and viruses.
- Diseases caused by microbes.
- Yeast growth and reproduction.
- Preventing infections in the body.

### Solubility:

- Soluble and Insoluble Substances.

- Measuring Solubility.
- Factors affecting Solubility.
- Chemical and Physical Changes.

## HISTORY

- World War 2
- Causes of WW2
- The Battle of Dunkirk
- The Blitz
- Evacuees and rationing
- Propaganda posters
- Battle of Britain
- How the war ended – D day, VE day, Japan
- Children will research WW2 using a wide variety of sources of evidence from first accounts, photos, books, maps, films, newspapers, the internet and artefacts.

## GEOGRAPHY

- Know the difference between Great Britain, United Kingdom and the British Isles.
- Atlas work including using the terms and locating equator, hemispheres and tropics, identifying cities, regions, key features and landmarks within the British Isles, Europe and the World.
- A more focused study on Europe (human and physical) and its culture is carried out.
- Other map skills are taught and revised that cover such topics as Bearings, Scale, Contour lines and Grid References.
- European countries and capital cities.
- To explore the European Union and flags.

## FRENCH

- 10 items of stationery with the appropriate masculine/feminine/plural determiner.

- Learn to ask the question: 'What is there in your pencil case/ backpack?'
- Learn to respond: 'In my pencil case/backpack there is/I have.... but I do not have/there isn't ...' with the appropriate form of the possessive 'my' for masculine, feminine and plural.
- Learn to say 'I can...' + 10 verbs to describe skills, hobbies and daily activities.
- Christmas.

## PHILOSOPHY

Introduction to philosophy philosophers:

Aristotle, Plato, Confucius, Socrates.

Philosophical questioning.

Interview techniques:

## PE

- The children will be able to play a variety of Invasion Games, and respond to the changing circumstances of the game.
- They will select attacking and defending skills appropriately within a game.
- They will use a variety of tactics to keep possession and progress towards a goal, such as changing speed and direction, passing, dribbling or shooting.

In dance the children will learn:

- To explore and improvise ideas for a dance in the style of the ancient Greek Olympics.
- To create and structure motifs and phrases.
- To use basic compositional principles to combine movement ideas fluently and effectively.

## GAMES

- The children will improve their knowledge of netball, hockey or football and develop their movement and decision making when under pressure in a range of different positions.
- The children develop their leadership skills and run activities for their peers.
- They have increased opportunities to take part in Inter House or competitive fixtures.

## MUSIC

- History of music (Baroque to Present Day Projects).

- Differentiated revision work. Theory and listening skills.
- Key signatures/Scales.
- Music technology.
- Carol Concert/Harvest songs.
- Composition of a Christmas song.

### DRAMA

- Preparation for the Harvest Festival presentation.
- After this, the main focus is on preparing for the Christmas Concert. Members of Year 6 are encouraged to source poetry and stories. There will be the opportunity for both solo and group involvement and individuals are encouraged to achieve a polished and confident performance.
- Visiting Christmas theatre group presentation.
- There will be an opportunity to practise interview technique in a variety of individual and group settings.

### ART & DESIGN TECHNOLOGY

- Artist of the term: Constable
- Common drawing task - Self-portrait.

A sense of place:

- Country landscape. Putting into practice knowledge of perspective, tone, use of colour and detail to depict depth in a picture.
- Imaginary landscape

Seasonal work:

- Calendar
- Christmas card

### PSHE

Rules (Fundamental British values)

- Rule of law. Why do we need rules?
- Understanding right from wrong.

- Golden Rules. Understanding the 'Reddiford Way', and Ladder system and signing personal behaviour contract.

#### Safety on the internet

- Strategies for managing risk
- Safety on the internet. (Personal wellbeing).
- Smart thinking rules, do not share personal information.
- The dangers of online gambling
- Grooming
- Chatrooms - where anyone can be anyone
- Strategies for managing risk where anyone can be anyone.

#### Keeping safe

- Keeping safe whilst using mobile phones
- Managing dares
- Peer pressure- learning to say NO
- Media influence
- Who to ask for advice or help.

#### Relationships, Mutual Respect and Tolerance (Fundamental British values)

- Understanding other people's reactions to situations,
- Supporting friends when they are in difficulties.
- Working together, valuing others, showing encouragement and respect.
- Resolving conflict
- Co-operating with and encouraging each other.
- Feelings and emotions
- Being sensitive to others
- Promoting good relationships
- Cooperating with others to reach a common goal
- Recognising and valuing stereotypes
- Recognising a healthy relationship- what are the qualities?
- Different types of relationships.
- Loss and Bereavement

#### Fire safety-

- Safety when using fireworks
- Practicing Stop, Drop, Roll

#### REASONING

- To consolidate and practise all skills and techniques taught in verbal and non-verbal reasoning.
- To complete practise assessment papers which cover a range of styles of questions.
- To practise doing assessments under timed conditions.
- CAT 4 Reasoning assessment.



## ICT

- Code of Conduct. Internet Safety, including:

*Staying safe online – classroom discussion.*

*Sharing experiences and views.*

*Addiction of online gaming, age restricted for a reason.*

*Cyber bullying,*

*Pressures of online relationships.*

*Not everyone online is who they say they are, stranger danger.*

*Mindful of social media.*

*All sources of information online are not necessarily accurate.*

*Critically consider online relationships/friendships.*

*Powerpoint project with focus on all aspects of e-safety.*

*Always check sources of information thoroughly.*

*'Wikipedia' is not totally accurate.*

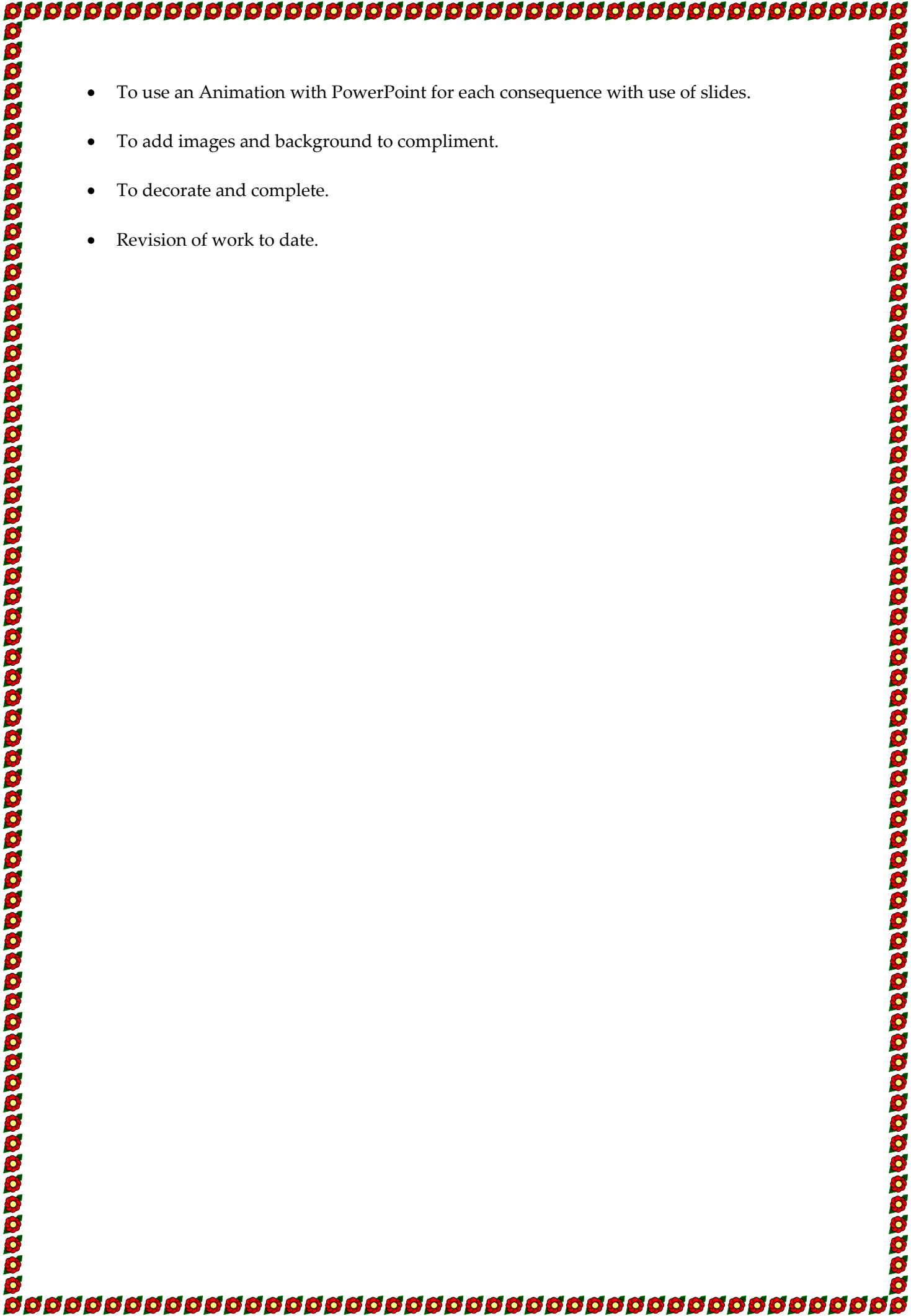
*Physical and mental wellbeing.*

*To be kind and considerate online.*

*Never to divulge personal information.*

*To realise the availability of a trusted adult to report any worries of concerns.*

- Algorithms. To have detailed knowledge of network procedure.
- Internet Safety/Dangers of Internet – Discussion and research.
- To create words for 'said' without use of word processor.
- Shopping Spree: To create a working spreadsheet.
- TEST on Shopping Spree.
- To use features of Excel with formulas, manipulation of cells, calculations.
- To formulate totals to include discounts and VAT.
- School Rules and Consequences project – to compile a list in order of importance with a consequence for noncompliance.
- To utilise two different languages (Latin/English) to emphasize important words.

- 
- To use an Animation with PowerPoint for each consequence with use of slides.
  - To add images and background to compliment.
  - To decorate and complete.
  - Revision of work to date.