

Curriculum Overview for Year Six – Shalom Noam Primary School

English

Reading

- Read a broad range of genres.
- Recommend books to others.
- Make comparisons within/across books.
- Support inferences with evidence.
- Summarising key points from texts
- Identify how language, structure etc. contribute to meaning.
- Discuss use of language such as figurative.
- Discuss and explain reading, providing reasoned justifications for views.

Writing

- Use knowledge of morphology and etymology in spelling.
- Develop legible personal handwriting style.
- Plan writing to suit audience and purpose: use models of writing.
- Develop character and setting in narrative.

Mathematics

Number/calculation

- Secure place value and rounding to 10,000,000 including negatives.
- All written methods, including long division.
- Use order of operations (not indices).
- Identify factors, multiples and primes.
- Solve multi-step number problems.

Algebra

- Introduce simple use of unknowns.

Geometry and measures

- Confidently use a range of measures and conversions.
- Calculate area of triangles and parallelograms.
- Use area and volume formulas.
- Classify shapes by properties.
- Know and use angle rules.
- Translate and reflect shapes, using all four quadrants.

Fractions and decimals

- Compare and simplify fractions.
- Solve problems using decimals and percentages.

Science

Biology

- Classification, including micro-organisms.
- #### Physics
- Forces-including gravity.
 - Light and shadows; the eye.
 - Electricity: investigating circuits.

Design and Technology

- Use research and criteria to develop products which are fit for purpose and aimed at specific groups.
- Use annotated sketches, cross section diagrams and computer aided design.
- Analyse and evaluate existing products and improve own work.
- Use mechanical and electrical systems in own products, including programming.
- Cook savoury dishes for a healthy and varied diet.

- Select grammar and vocabulary for effect.
- Use a wide range of cohesive devices e.g. conjunctions, time words etc.
- Ensure grammatical consistency.

Grammar

- Use appropriate register/style.
- Use the passive voice for purpose.
- Use features to convey and clarify meaning.
- Use full punctuation.
- Use language of subject/object.

Speaking and listening

- Articulate arguments and opinions.
- Use questions to build knowledge.
- Use spoken language to speculate, hypothesise and explore.
- Use appropriate register and language.

- Use written division up to 2dp.
- Introduce ratio and proportion.
- *Use equivalents to add fractions.*
- *Multiply simple fractions.*
- *Divide fractions by whole numbers.*

Data.

- Use pie charts.
- Calculate mean averages.

Computing

- Design and write programs to solve problems.
 - Use sequences, repetition, inputs, variables and outputs in programs.
 - Detect and correct errors in programs.
 - Understand uses of networks for collaboration and communication.
- Be discerning in evaluating digital content.

Religious Education

Taught through Kodesh/Jewish Studies.

Music

- Listen to detail and recall aurally.
- Use and understand basics of staff notation.
- Develop an understanding of the history of music, including great musicians and composers.

Art and Design

- Use sketchbooks to collect, record, review, revisit and evaluate ideas.
- Improve mastery of techniques such as drawing, painting and sculpture with varied materials.
- Learn about great architects, artists and designers.

Physical Education

- Use running, jumping, catching and throwing in isolation and in combination and play competitive games, applying basic principles.
- Take part in outdoor and adventurous activities.
- Develop flexibility and control in gym, dance and athletics
- Compare performances to achieve personal bests.
- Swimming proficiency at 25m.

History

- British History- The Victorians including crime and punishment, leisure and the changing power of monarchs.
- Broader History study-Non European Society.

Geography

- Name and locate counties, cities, regions and features of UK.
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles and time zones.
- Use 4 and 6 figure grid references on OS maps.
- Use fieldwork to record and explain areas.