



AN INTERNATIONAL COMMUNITY OF LEARNERS STRIVING FOR EXCELLENCE
AND CELEBRATING SUCCESS.

KS3 Curriculum Years 7 & 8

Welcome to Newton International School D Ring.

Our Mission

We aim to provide the highest quality of education possible for students of all abilities. In doing so, we will positively encourage each student to achieve academic excellence, enjoy creative diversity, develop critical thinking skills and become lifelong learners and responsible citizens.

Our Vision

We are an International community of learners striving for excellence and celebrating success.

School Routine

6:30	School Gates / Doors Open
6:40 - 7:10	School Starts - Registration Taken
7:10 - 8:00	Lesson 1
8:00 - 8:50	Lesson 2
8:50 - 9:40	Lesson 3
9:40 - 10:00	Break
10:00 - 10:50	Lesson 4
10:50 - 11:40	Lesson 5
11:40 - 12:00	Break
12:00 - 12:45	Lesson 6
12:45 - 13:30	Lesson 7
13:30	End of the Academic Day.

Registration and Form Time

Each form class will meet for 30 minutes at the beginning of each day. This will allow tutors to take attendance. Check on the well being of students, announce any school events or activities that are due to take place. Each form class will also visit the Library once a week to swap their reading book.

KS3 Curriculum

English

The English curriculum at KS3 is designed to build on the foundation laid in Key Stage 2 and prepare students for more specialized study in Key Stage 4 (GCSEs).

The KS3 English curriculum encompasses both English language and English literature. English language focuses on developing students' communication skills, including reading, writing, speaking, and listening. Students explore a variety of texts, learn to analyze language and structure, and develop their own writing skills.

English literature at KS3 introduces students to a range of literary genres, styles, and periods. They study and analyze novels, plays, poems, and other literary forms. The aim is to foster a deeper understanding of literature, develop critical thinking skills, and enhance students' ability to express their interpretations.

Throughout KS3 English, students are encouraged to engage with different forms of literature, express their thoughts and ideas effectively, and develop the essential skills needed for further study and life beyond school. The curriculum aims to promote literacy, critical thinking, and a love for literature and language.

Maths

The KS3 Maths curriculum covers a wide range of mathematical topics, including:

Number: Students deepen their understanding of number concepts, including integers, decimals, fractions, and percentages. They learn to perform calculations, solve problems, and develop fluency in numerical operations.

Algebra: Students are introduced to algebraic concepts, including expressions, equations, and formulae. They learn to manipulate algebraic expressions, solve equations, and apply algebraic reasoning to problem-solving.

Geometry: The geometry component covers properties of shapes, angles, transformations, and properties of 2D and 3D figures. Students also explore coordinate geometry and understand the relationships between different geometric elements.

Statistics and Probability: Students learn about data representation, interpretation, and statistical analysis. They also delve into probability concepts, understanding randomness and uncertainty.

Ratio, Proportion, and Rates of Change: Students explore the relationships between quantities, including ratios, proportions, and rates of change. This includes understanding how to solve problems involving direct and inverse proportionality.

Throughout KS3 Maths, there is an emphasis on developing problem-solving skills, mathematical reasoning, and fluency in applying mathematical techniques to real-world situations. The curriculum aims to equip students with a solid foundation in mathematics, preparing them for more advanced study and applications in Key Stage 4 and beyond.

Science

In science students will experience an integrated programme through a variety of topics. Students will be taught Science in specialized Laboratory's.

Biology: Students study living organisms, cells, ecosystems, genetics, human biology, and other biological concepts.

Chemistry: The curriculum covers the properties and changes of materials, elements, compounds, chemical reactions, and basic principles of chemistry.

Physics: Students explore topics such as forces, motion, energy, electricity, magnetism, light, sound, and space, among other physics principles.

The curriculum aims to develop students' scientific knowledge, investigative skills, and critical thinking. Practical experiments and hands-on activities are often incorporated to foster a deeper understanding of scientific concepts. KS3 Science serves as a foundation for more advanced science education at Key Stage 4 and beyond.

Humanities (Geography and History)

The KS3 Humanities curriculum aims to provide students with a broad understanding of the world and its history, geography, and social structures. Key components include:

Geography: Students explore physical and human geography, including topics such as landscapes, ecosystems, weather, population, and global issues. They develop geographical skills such as map reading and data analysis.

History: The curriculum covers a range of historical periods, events, and civilizations. Students learn about key historical developments, individuals, and the impact of historical

events on societies.

The integrated approach in KS3 Humanities aims to help students make connections between different aspects of the human experience, fostering critical thinking, analytical skills, and a broader perspective on the world.

Computing

The curriculum aims to provide students with a foundational understanding of information technology, digital literacy, and the practical application of ICT skills.

Key components of the KS3 ICT curriculum will include.

Digital Literacy: Students learn how to use digital tools, devices, and applications effectively. This includes understanding online safety, evaluating digital information, and developing responsible digital citizenship.

Computer Science: Introduction to basic programming concepts and computational thinking. Students may learn programming languages, algorithms, and problem-solving skills.

Information Handling: Understanding how information is created, processed, stored, and retrieved. This includes data representation, databases, and data analysis.

Communication and Collaboration: Learning how to communicate effectively using digital tools, including email, messaging, and collaborative platforms. Students may also explore the use of multimedia for presentations.

Creative Use of ICT: Encouraging students to use technology for creative purposes, such as digital art, multimedia projects, and design.

The KS3 ICT curriculum aims to equip students with the skills and knowledge needed to navigate the digital world, use technology responsibly, and prepare for more advanced studies in ICT.

PE

The primary goal of KS3 PE is to promote physical fitness, skill development, and a positive attitude towards an active and healthy lifestyle.

Key components of the KS3 PE curriculum may include:

Physical Fitness and Health: Activities designed to improve cardiovascular fitness, strength, flexibility, and overall health. Students learn about the importance of regular physical activity

for well-being.

Sports and Games: Introduction and development of skills in a variety of sports and games. This may include team sports like football, basketball, and netball, as well as individual sports such as athletics and gymnastics.

Movement and Dance: Activities that focus on body movement, coordination, and expression. Dance and creative movement may be included to enhance students' physical literacy.

Outdoor and Adventurous Activities: Activities that take place outdoors, promoting teamwork, problem-solving, and resilience. This may include activities such as orienteering, rock climbing, or team-building exercises.

Lifelong Physical Activities: Introduction to activities that can be enjoyed throughout life, encouraging a long-term commitment to physical well-being. This may include activities like yoga, cycling, or swimming.

KS3 PE aims to foster a positive attitude towards physical activity, develop motor skills, and enhance students' understanding of the benefits of a healthy and active lifestyle.

French

The KS3 French curriculum aims to introduce students to the French language and culture, building a foundation for further language study.

Key components of the KS3 French curriculum may include:

Language Skills: Developing the four main language skills - listening, speaking, reading, and writing. Students learn basic vocabulary and grammar rules to express themselves in French.

Communication: Emphasis on practical communication skills, encouraging students to engage in conversations, ask and answer questions, and express ideas in French.

Cultural Awareness: Introduction to French culture, traditions, and customs. This may include exploring French literature, music, art, and aspects of daily life.

Grammar and Vocabulary: Learning fundamental grammatical structures and expanding vocabulary to allow for more complex and nuanced communication.

Practical Language Use: Encouraging students to use the language in real-life situations, such as ordering food, asking for directions, and discussing everyday topics.

Art

The KS3 Art curriculum aims to foster creativity, artistic skills, and an appreciation for various forms of visual expression.

Key components of the KS3 Art curriculum may include:

Artistic Techniques: Introduction and development of fundamental artistic techniques, including drawing, painting, sculpture, printmaking, and digital art.

Art History and Context: Exploration of art history, understanding various art movements, styles, and the cultural context of different artworks. This may include studying the works of famous artists and understanding their impact on the art world.

Creative Process: Encouraging students to engage in the creative process, from ideation to execution. Emphasis on developing individual artistic expression and problem-solving skills.

Critical Analysis: Developing the ability to critically analyze and interpret artworks, fostering an understanding of artistic concepts and visual communication.

Multimedia and Technology: Integration of technology and multimedia in art creation, including digital art, photography, and other contemporary art forms.

KS3 Art aims to provide a broad and foundational experience in the visual arts, allowing students to explore their creativity and develop a range of artistic skills.

Homework

On Thursday students will be given Homework to complete for each subject. This will provide an extension of classroom learning, providing students with opportunities to reinforce and apply what they have learned in school school.

Aims of the homework:

- Review and Reinforcement
- To promote independent learning.
- To prepare for Assessment.

Parental involvement is also important and encouraged.

There will be parental workshops throughout the year to support Parents to support in the learning process at home.

