

RUGBY SCHOOL THAILAND

YEAR 9 CURRICULUM

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F BLOCK CURRICULUM GUIDE

The F Block Curriculum

F Block, or Year 9, is a crucial year on the RST journey. It is a year of transition, as students start their time at the Senior School. It is also a year of preparation, laying key foundations for IGCSE and A Level studies. During their time in F Block, RST students experience a broad, diverse academic curriculum designed to help them to make the right choices for their IGCSEs. As well as core subjects of Maths, Science and English, students opt for two languages and continue to experience a range of other subjects. Extra English support is also provided where necessary for students who have English as an Additional Language (EAL).

Students will then narrow their choice to fewer subjects in E Block, when they start their IGCSE studies. Heads of Year, tutors and academic staff will all be able to guide and support with IGCSE choices. Help and support is also given on developing study skills, with scheduled homework giving opportunities to reflect on learning, and prepare for future lessons.

F Block is also a year to develop key skills in critical thinking and independent study. The Ask Better Questions programme, which runs during one Activity Slot a week, offers students a carousel of different topics outside of the curriculum, leading to an independent project at the end of the year. Together, our academic and enrichment programmes are designed to develop intellectual curiosity, creativity, independence and resilience, as well as giving students plenty of opportunity to take intellectual risks, make mistakes and learn from these.

Students also follow the Whole Me Personal Social and Health Education (PSHE) course. This covers a broad range of subjects, focusing on students' wellbeing, and aims to help them become young adults who are prepared to make their own moral judgments. All students will also be allocated a tutor, who they will meet with regularly to support their academic progress in the school.

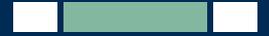
In this document, you will find brief details of the subjects studied in F Block, as well as a brief term-by-term guide to the topics they will encounter. It allows you to see at a glance what your child will study throughout the year.



A handwritten signature in black ink, appearing to read 'Lilla Grindlay'.

Dr Lilla Grindlay
Deputy Head Academic, Senior

ART & DESIGN

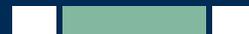


Art & Design allows students to develop their creative and independent ideas with confidence. They work on long, complex projects broken down with several outcomes.

TERM 1 TERM 2A	<p>Figure It Out</p> <ul style="list-style-type: none">• Drawing using monochrome and colour media• Observational studies and photography• Presentation of ideas in a sketchbook• Technical understanding of the printmaking processes• Painting using acrylic paint• Collaborative teamwork• Textile decoration using threads, stitching and printed fabrics• Reflect on the processes and outcomes
TERM 2B TERM 3	<p>Animal Instinct</p> <ul style="list-style-type: none">• Drawing using an extended range of media• Observational studies and presentation of ideas in a sketchbook• Technical understanding of making a sculpture or 3-dimensional piece.• Photography skills• Painting techniques• Decoration and evaluation of the processes learned



COMPUTER SCIENCE



F block students start by covering the computer basics, learning about the different hardware and software and how they work together. They learn about data representation and how to convert binary numbers. This is followed by a taster topic into what is computational thinking and the building bricks to programming in a text based language, Python. Students then look into what AI is and how it can be created, what a network is and how to keep themselves and their data safe. Finally, students delve into some electronics and circuitry and build and program output devices such as sensors and motors. Our last topic looks at creating media artefacts such as social media posts, 3d gaming or animations.

TERM 1	<ul style="list-style-type: none">• Computer Basics• Computational Thinking and Programming
TERM 2	<ul style="list-style-type: none">• Artificial Intelligence• Networks and Cyber Security
TERM 3	<ul style="list-style-type: none">• Physical Computing• Digital Media



DESIGN & TECHNOLOGY



Students have the opportunity to create, innovate, design, make and evaluate a variety of well-crafted products that are fit for purpose. They develop valuable practical skills and use these safely with a range of resistant and non-resistant materials, drawing media tools and equipment, in both 2D and 3D, using a variety of techniques, including digital technology, manufacture in a range of material areas, CAD and 3D Printing.

Combined Resin & Timber Lamp Project	
TERM 1	<ul style="list-style-type: none">• Website preparation• Research skills• Sketching skills• Digital iPad Pro sketching (Procreate)
TERM 2	<ul style="list-style-type: none">• 3D CAD (Onshape)• Preparation of materials• Final design sketching• Practical manufacture - cutting, filing, sanding, resin pouring, drilling, waxing• CAM using Laser Cutter / 3D Printing (legs / base)
TERM 3	<ul style="list-style-type: none">• Practical manufacture - cutting, filing, sanding, resin pouring, drilling, waxing.• Finishing and Assembly, Presentation & Evidencing – Photoshop for website.

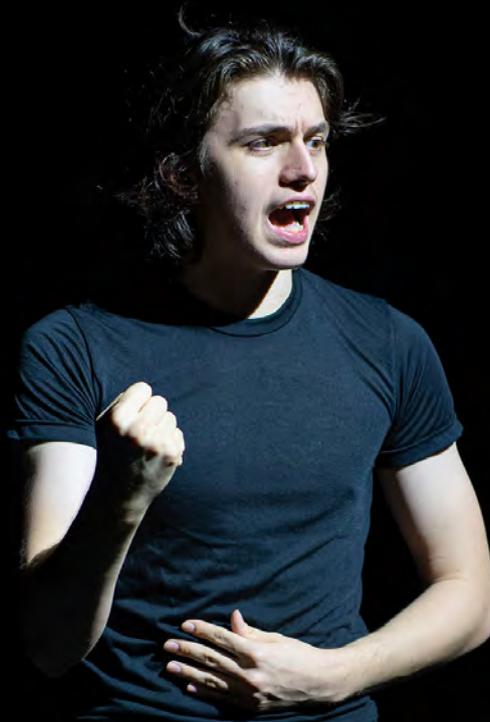


DRAMA



F Block Drama aims to broaden practical experience, including devising, script work, practitioner studies and design elements. Additional enrichment opportunities include school productions: Senior Musical, KS3 Production and House Drama. There are also opportunities to learn LAMDA and experience live theatre.

TERM 1	<p>Devising from a stimulus</p> <ul style="list-style-type: none">• Devise different scenes from a given stimulus• Explore a range of theatre genres, styles and forms through performance <p>Verbatim Theatre</p> <ul style="list-style-type: none">• Understand theatre created from exact words spoken by people interviewed• Create own verbatim monologue
TERM 2	<p>Radio Drama Writing and Script Study</p> <ul style="list-style-type: none">• Creative writing using radio drama as a stimulus• Consider other short radio plays and the use of devices such as sound, atmosphere and techniques including flashback, diaries, inner monologues.• Script study focusing on design elements, including lighting, costume, staging and set design in the style of Bertolt Brecht
TERM 3	<p>Creating Class Performances</p> <ul style="list-style-type: none">• Study scenes from a full play• Student-led direction for performance considering design elements.• Group practical work• Consideration of a Design Portfolio using differing play texts• Rehearse for F Block Production Review to parents and Year 8

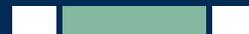




The English as an Additional Language department supports students in developing their English language capabilities through a curriculum that is centred around the four language skills - speaking, listening, reading, and writing. With this assistance, students are able to develop a greater understanding of material covered in other subject areas, which lays the foundation for their IGCSE studies in the years to come.

<p>TERM 1</p>	<p>Film and Drama</p> <ul style="list-style-type: none"> • Practise the use of verbs + -ing forms • Develop the use of a range of present tenses • Develop the use of a range of future tenses <p>Being a Good Sport</p> <ul style="list-style-type: none"> • Comparing with adverbs • Revision of past tenses • Past perfect
<p>TERM 2</p>	<p>Bookworms</p> <ul style="list-style-type: none"> • Present simple and past simple passive • Adjectives with -ing and -ed endings • This, that, these and those <p>Extreme Weather</p> <ul style="list-style-type: none"> • Questions with prepositions • Connectives for contrast (although, though, while)
<p>TERM 3</p>	<p>Back in Time</p> <ul style="list-style-type: none"> • Compound nouns • Past perfect with ever, never, always and already <p>Who am I?</p> <ul style="list-style-type: none"> • Prepositions after adjectives • Questions ending with prepositions • Reported speech

ENGLISH



In F Block, English First Language students continue to develop core skills in English Language and English Literature to support their transition towards IGCSEs, namely fluent reading; textual analysis; summary writing; essay writing; adapting writing to audience, purpose, text-type, and genre; developing vocabulary; and control of technical aspects of writing such as sentence structure, punctuation and spelling. They will study a variety of texts including prose fiction, prose non-fiction, drama, poetry and film.

TERM 1	<p>English as a Global Language: a study of prose-fiction and poetry from around the world:</p> <ul style="list-style-type: none">• Reading comprehension and essay-writing skills• Using language to communicate meaning and to create specific effects• Narrative structure: the hero's journey
TERM 2	<p>Prose study: <i>Of Mice and Men</i></p> <ul style="list-style-type: none">• Reading comprehension and essay-writing skills• Reading and writing a variety of non-fiction text types• Descriptive writing skills
TERM 3	<p>Drama/film study: <i>Romeo and Juliet</i></p> <ul style="list-style-type: none">• Reading comprehension and essay-writing skills• Using the language of film to analyse the 1996 Baz Luhrmann adaptation of <i>Romeo and Juliet</i>• Reading and writing a variety of non-fiction text types



GEOGRAPHY



F Block Geography encourages awareness of key world issues: environmental, social, and economic. It is cross-curricula, developing practical skills such as data handling, graph interpretation, and photograph analysis. Emphasis is on developing traditional geographical skills such as description, explanation, and evaluation. Students are encouraged to develop their knowledge and opinions and communicate them clearly.

TERM 1	<ul style="list-style-type: none">• Why does Guatemala grow bananas?• How to: describe explain evaluate• Natural hazards, plate tectonics. What is the worst hazard?
TERM 2	<ul style="list-style-type: none">• Global food patterns: where does our favourite food come from?• Global food issues: causes/effects of human response?• Should we eat insects?• Global inequality
TERM 3	<ul style="list-style-type: none">• How does inequality affect disease, housing, trade, and conflict?• Deforestation, globally and locally• Fieldwork skills: how can we record our environment?



HISTORY



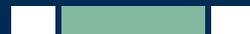
History in F block aims to deliver a high-quality history education that inspires pupils' curiosity to know more about the past, and equips them to ask perceptive questions, think critically, weigh evidence and develop perspective and judgement, whilst instilling a love of the subject.

TERM 1	<ul style="list-style-type: none">• The History of Toilets - a fun introductory unit on the processes of change, continuity and regression• War in the Pacific - from Pearl Harbour to the dropping of the atom bomb: chronology, causation and consequence, source analysis• Meanwhile Elsewhere - study beyond the war in the Pacific and to extend and secure chronological knowledge of the period in greater breadth and depth
TERM 2	<ul style="list-style-type: none">• The Holocaust - develop skills on perspective and interpretation and consider what makes good history with particular focus on how and why contrasting arguments and interpretations of the past have been constructed• The Cambodian Genocide - identify significant events, make connections, draw contrasts and analyse trends• Historical Significance - independent research on a self-chosen person, place and object from history; explain the significance of these in their context and in the present
TERM 3	<ul style="list-style-type: none">• Personal History Project - a chance to research an historical subject of interest, to develop independent study skills• Historical mysteries, conspiracies and great escapes - focus on historical truth and the difficulties of ascertaining an authoritative picture of certain events and/or person



LANGUAGES:

CHINESE AS A FIRST LANGUAGE



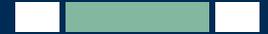
Chinese as a first language develops students' abilities in analysing and evaluating Chinese literature and writing skills in narrative and descriptive writing. The students are assessed on reading and writing.

Tasks will follow the IGCSE style and will be marked with an adapted version of the Cambridge IGCSE Marking Criteria.

TERM 1	<p>Social Relationships/Narrative/Argumentative</p> <ul style="list-style-type: none"> • Understand the concept of expressing feelings through events, heightening the atmosphere, action description and repeated irony • Compare similarities and differences between two articles • Understand the concept of antithesis, figurative argument, exemplification argument, citation argument • Understand the five cardinal Confucian relationships • Explain the content of idiom stories and Chinese poetry
TERM 2	<p>Social Relationships/Directed Writing/Classical Chinese</p> <ul style="list-style-type: none"> • Use of the classical Chinese function words: 与、而、者、也 • Understand the concept and usage of compound words • Recognise key words and respond to the question • Understand the concept of expressing feelings through events and things • Understand metaphor and rhetorical question and use in writing
TERM 3	<p>Hometown/Argumentative/Classical Chinese</p> <ul style="list-style-type: none"> • Understand the concept of parallelism and quotation • Understand the story of <i>Emperor and the Assassin</i> • Identify the gist and deep implication of articles • Discuss the reason, advantages and disadvantages of immigrants • Understand function word: 其、之、乃、矣 • Understand the name of ancients and their appellation

LANGUAGES:

MANDARIN CHINESE



Students continue the Curriculum covered in Y7 and Y8 Mandarin. Building upon prior knowledge they consolidate vocabulary and grammar. Students will be assessed on listening, speaking, reading and writing.

Tasks will follow the IGCSE style and are marked with an adapted version of the Cambridge IGCSE Marking Criteria.

TERM 1	<p>Greeting and Introductions</p> <ul style="list-style-type: none">• Use the basic numbers• Use greeting phrases when meeting friends• Understand the difference between Chinese names and English names <p>Family and Pets</p> <ul style="list-style-type: none">• Introduce yourself with more personal information• Introduce your family members• Talk about friends• Talk about pets
TERM 2	<p>Everyday Life/Hobbies</p> <ul style="list-style-type: none">• Talk about times, days of the week, months, dates• Read about someone's daily routine, talk about your own daily routine• Listen to conversations about leisure activities and sports, read and talk about leisure activities and sports• Write opinions of hobbies by using complements of degree
TERM 3	<p>Eating and Drinking</p> <ul style="list-style-type: none">• Read menus and order food in a Chinese restaurant• Listen to conversations in a restaurant• Ask and answer 怎么样 questions• Write a food review

LANGUAGES: FRENCH



Students consolidate vocabulary and grammar, and are assessed on listening, speaking, reading and writing. Tasks will follow the IGCSE style and will be marked with an adapted version of the Cambridge IGCSE Marking Criteria.

TERM 1	<p>The World and Me</p> <ul style="list-style-type: none">• Revision of basic vocabulary - pronouns, family members, family• Likes/dislikes• Present tense/perfect tense <p>Plans for the Future</p> <ul style="list-style-type: none">• Future tense (near future)• Talk about different ways to make money
TERM 2	<p>My Life in Music</p> <ul style="list-style-type: none">• Discuss musical preferences• Use the comparative• Describe a past trip or concert (perfect tense) <p>The Best of Worlds</p> <ul style="list-style-type: none">• Talking about food• Eating habits• Use negative sentences/the conditional
TERM 3	<p>The French-speaking World</p> <ul style="list-style-type: none">• Describe impressive places• Use verbs with the infinitive• Talk about holiday activities• Use different tenses



LANGUAGES: SPANISH



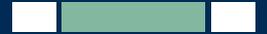
Students continue the Curriculum covered in Y7 and Y8 Spanish. Building upon prior knowledge students consolidate vocabulary and grammar. They are assessed on listening, speaking, reading and writing.

Tasks will follow the IGCSE style and will be marked with an adapted version of the Cambridge IGCSE Marking Criteria.

TERM 1	<p>We are that Way</p> <ul style="list-style-type: none">• Revision of basic vocabulary - pronouns, family members, family• Free time activities• Televisión and cinema - types of films• Present tense/ near future tense• Jobs: responsibilities at work, ideal job• Conditional (me gustaría)
TERM 2	<p>Healthy Lifestyle/Food</p> <ul style="list-style-type: none">• Giving advice• Daily routine• Telling the time• Reflexive verbs• Nationalities• Rights• Modes of transport• A better world/environment
TERM 3	<p>An Adventure in Madrid</p> <ul style="list-style-type: none">• Meeting and greeting people• Use the superlative• Describe a trip• Use different verb tenses



THAI AS A FIRST LANGUAGE

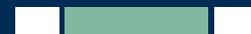


Thai as a First Language (Thai 1L) is offered for Thai students. This course is followed by Cambridge IGCSE First Language Thai, which focuses on reading and writing skills.

<p>TERM 1</p>	<p>Writing</p> <ul style="list-style-type: none"> • Explore various academic non-literary texts both in print and media • Identify facts and opinions • Construct factual, conceptual, and debatable questions • Summarise and identify reading texts • Novel – <i>The Happiness of Kati</i> (ความสุขของกะทิ) • Elements of fiction - simile/metaphors/personification
<p>TERM 2</p>	<p>Poetry and Literature</p> <p>Ramayana – Narai defeated Nontok</p> <ul style="list-style-type: none"> • Historical context: Rattanakosin Era during King Rama • Level of language use: Royal hierarchy (คำราชาศัพท์) • Paraphrasing texts/narrative writing <p>The Stele of King Ramkhamhang, the Great</p> <ul style="list-style-type: none"> • The Birth of the Sukhothai Kingdom and the origin of Thai Scripts • Hierarchy systems during the Sukhothai Era • Compare and contrast King Ramkhamhang Thai Scripts with present ones • Discursive writing
<p>TERM 3</p>	<p><i>Mom</i>, a Short Story</p> <ul style="list-style-type: none"> • A short story <i>Mom</i> เรื่องสั้นมอม • Visual texts relating to context of World War II in Thailand • Literary devices - repetition, idioms, proverbs



THAI AS A FOREIGN LANGUAGE



Thai as a Foreign Language (FL) is offered for non-Thai students and is also an option for Thai students who have dual nationality and hold two passports. This course focuses on language communication skills as well as Thai culture studies.

<p>TERM 1</p>	<p>Fruits and Food</p> <ul style="list-style-type: none"> • Fruits in our school and how to ask and order • The meaning and pronunciation of words about days in a week and food in our school • Describe the fruits - colour, taste, size <p>Symptoms and Illness</p> <ul style="list-style-type: none"> • Be able to explain about a student's sick manner • Read a passage about influenza symptoms • Compose sentences by using the given words about symptoms and illness <p>Thai Language and culture</p> <ul style="list-style-type: none"> • Celebrate Thai Language and Culture from various academic non-literary texts both in print and media • Know people and places in the Thai Community • Reading: understand and get the main ideas of a dialogue and a short passage • Writing: give answers from the given questions correctly/compose sentences by using the given words
<p>TERM 2</p>	<p>Sports and Leisure</p> <ul style="list-style-type: none"> • Know about sports and leisure and their abilities and skills • Read and write words, sentences including a passage about sports and leisure <p>Plants and Flowers</p> <ul style="list-style-type: none"> • Plants and flowers and their shapes, colours, smell • Read and write words, sentences including a passage about plants and flowers <p>Ram-wong: Thai Folk Dance</p> <ul style="list-style-type: none"> • Know the development of Ram-wong • Know types of Ram-wong • Perform a Ram-wong dance
<p>TERM 3</p>	<p>Our region: Eastern Thailand/Knowing our Community</p> <ul style="list-style-type: none"> • Meaning and pronunciation of 7 provinces in eastern Thailand • Read and interpret words and the motto of the seven provinces. • Pai Tale: a story about travelling • Express oneself clearly in a conversation, using appropriate vocabulary and accurate grammatical structures

MATHS



INTRODUCTION:

F block students will begin the IGCSE Mathematics curriculum which covers a wide range of topics, directly building upon the skills taught in Year 8. Through a combination of interactive lessons and problem-solving tasks, students will learn key mathematical concepts and how to apply them to a variety of real-life situations.

TERM 1	<ul style="list-style-type: none">• Algebra fluency• Solving linear equations• Rules of indices• Operations with fractions
TERM 2	<ul style="list-style-type: none">• Equations of straight lines• Simultaneous linear equations• Pythagoras' theorem• Area and perimeter of compound 2D shapes
TERM 3	<ul style="list-style-type: none">• Arithmetic sequences and series• Trigonometry• Similar shapes and constructions



MUSIC



F Block Music will introduce students to 3 contrasting and diverse genres of music: Film Music, Blues and Minimalism. Each unit will allow for creative exploration in listening, performing and composition.

TERM 1	<p>Film Music</p> <ul style="list-style-type: none">• Different genres of film and how the music changes for each one• How using different soundtracks can affect the audience's perception of the mood and characterisation of an extract of film• The art of Foley: post production sound effects. Explore and collect sound effects from using non-musical objects• Research a film music composer
TERM 2	<p>The Blues</p> <ul style="list-style-type: none">• The history of the Blues including slavery, work songs, spirituals• Listen to a variety of Blues music and choose an artist to research about their life and music• Learn how to play the 12-Bar Blues on the keyboard, including the chord sequence and basslines• Learn how to improvise a 16-beat melody in the C Blues scale
TERM 3	<p>Minimalism</p> <ul style="list-style-type: none">• Listen to a variety of Minimalist pieces and practise writing and talking about what they hear which makes it Minimalist• Learn about Steve Reich's "Clapping Song", and experiment with phasing clapping compositions which are then performed• Learn the different techniques of Minimalist composition• Use a DAW (digital audio workstation) to compose a layered Minimalist piece using loops (pre-recorded at first, and then original)





Students will start the IGCSE course and be introduced to the fundamentals of all Physics, Chemistry and Biology. Building upon prior knowledge, they consolidate facts and gain independence to conduct practicals, collect, and analyse data.

The students' efforts during F block across class, homework and assessments will distinguish between Double Award (co-ordinated) or Single Science for E and D block. F block is taught by two Science teachers, who will equally teach Chemistry content during the year.

Key: Biology, Chemistry, Physics

TERM 1	<p>Biology</p> <p>Topic 1: Classification</p>	<ul style="list-style-type: none"> Learn processes of classification across the 5 kingdoms, the given characteristics of various organisms, the various life processes related to MRS GREN Create dichotomous keys
	<p>Topic 2: Cell structure</p>	<ul style="list-style-type: none"> Learn the differences between eukaryotic and prokaryotic cells, and the different organelles within a cell and their functions
	<p>Chemistry</p> <p>Topic 1: States of Matter & Lab skills</p>	<ul style="list-style-type: none"> Expand on vocabulary to describe the energy and arrangement for different states of matter Conduct practicals to record cooling curves, diffusion and describe observations.
	<p>Topic 2: Elements, compounds & Mixtures</p>	<ul style="list-style-type: none"> Study the Periodic Table and identify elements, compounds and mixtures Demonstrations and practicals involve looking at separating techniques to purify mixtures
	<p>Physics</p> <p>Topic 1: Kinetic Particle Model of Matter</p>	<ul style="list-style-type: none"> Learn about the properties of solids, liquids and gases and, in more detail, the factors that affect temperature, volume and pressure of gases. Understand that there is a lowest possible temperature, -273°C, known as absolute zero Investigations of the ideal gas laws and the effects of very low temperatures using liquid nitrogen
	<p>Topic 2: Thermal Physics</p>	<ul style="list-style-type: none"> Learn about the main forms of thermal energy transfer: conduction, convection and radiation. Look at different devices to understand how their design enhances or limits these energy transfers Experiments and demonstrations into conduction, convection and radiation, as well as perform an investigation to identify a substance by determining its specific heat capacity

TERM 2	Biology	<ul style="list-style-type: none"> Study the structure within ecosystems and the flow of energy found within it Look at the processes used to study the changes within food chains and food webs, enabling the construction of pyramids of numbers and biomass
	Chemistry Topic 3: Atomic Structure	<ul style="list-style-type: none"> Delve into the microscopic nature of atoms and their subatomic particles From atoms to ions: describe how ion charges arise and write formulas
	Topic 4: Stoichiometry	<ul style="list-style-type: none"> Provided a chemical equation, be able to balance equations Determine the relative atomic mass RAM and relative formula mass of compounds RFM
	Physics Topic 3: The nuclear model of the atom	<ul style="list-style-type: none"> Learn about the development of different models of the atom, including Rutherford's gold foil alpha particle scattering experiment. Learn the basics of the processes of nuclear fission and nuclear fusion.
	Topic 4: Radioactivity	<ul style="list-style-type: none"> Learn about ionizing radiation, including alpha, beta and gamma radiation. Look at the dangers, but also the many uses of each of these types of radiation. Investigate the property of half-life and learn how to perform calculations to determine the half-life of radioactive isotope
TERM 3	Biology	<ul style="list-style-type: none"> Look into the impact of human actions on ecosystems, focusing on pollution as well as greenhouse gases and global warming Learn the skills to evaluate various forms of evidence to come up with a conclusion
	Chemistry Topic 5: Rates of reaction	<ul style="list-style-type: none"> Review the factors that affect the rate of reactions Conduct practicals to observe different rates of reaction
	Topic 6: Acids & Bases	<ul style="list-style-type: none"> Acids and Bases review of the pH Scale Conduct a titration
	Physics Topic 5: General Wave Properties	<ul style="list-style-type: none"> Learn about the different types of waves found in nature and how energy is transferred by both transverse and longitudinal waves.
	Topic 6: Sound	<ul style="list-style-type: none"> Learn about the properties of sound waves and perform investigations to determine the speed of sound using various methods. Look at how sound waves can be visualised using an oscilloscope. Investigate the uses of sound, such as SONAR and ultrasound





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