



Eden Girls

Year 10 Curriculum Booklet 2018



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PREFACE

This Curriculum Booklet contains details of each subject's curriculum plan. It has been designed for parents/carers, so that they can support their daughters' learning at home. KS4 will be delivered over 3 years.

All GCSE subjects will be reporting the new GCSE Grading System. This information will be reflected in the half-termly report cards.

I hope you find this information helpful.

Shahina Ahmad
Principal
Eden Girls School, Waltham Forest

ART

The Staff:

Ms T.Dauhoo: Teacher of Art

Subject: GCSE Art Year 10

Exam Board: AQA

Art will be a GCSE option that will begin in Year 9 and complete in year 11. At this stage learners will have completed one year of their course. Learners will be studying GCSE Art (AQA). The course will be run over three years and learners will sit the exam component in May 2018, when they are in Year 11.

The full course GCSE is made up of Paper 1 (Coursework Unit 1 and Unit 2) and Paper 2. The coursework Unit 1 and Unit 2 is internally set, internally assessed and externally moderated and this unit contributes to 60% of the whole GCSE.

Paper two is externally set, externally assessed and externally moderated. Students are given 8 weeks to prepare and a 10 hours timed test. This externally set assignment contributes to 40% of the whole GCSE.

For Unit 1 and 2 of the course learners need to explore, develop, refine and present their work inspired by the given themes. The two themes which will be given to them are 'surfaces' and 'contrasts'. Paper 2 is the exam question which will be given out in February 2019. The theme is unknown but will be available at least 8 weeks prior to the exam.

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
Key Concepts	Still Life & Observations	Responding to Artist	Mini Art project Museum based	Mini Art project based on Batik	Self-Portrait Abstract Art	Self Portrait Abstract art
Themes	Natural Forms		Landscape		Imaginative Composition	

What will learners be required to do in class and at home?

All learners are provided with a sketch book and a plastic folder to keep their sketch book and any research work or cut outs from magazines. The folder is kept at school but learners are allowed to take the sketch book home when homework is given.

How will learners be assessed?

All learners will be assessed half-termly. The assessment will be made up of peer assessment, homework, class project tasks and end of unit tests using questions from the GCSE exam. Learners will sit an end of year test in June, where their final grade will be assessed. Teachers will go through the criteria sheet with them so they understand what they need to do to achieve the level they are aiming.

How will learners progress at KS4?

Learners may complete an Art GCSE course in May 2019.

Useful resources:

Visits to galleries such as William Morris and National Gallery will inspire and fuel their creativity. Websites such as the following are very helpful:-

<http://kids.tate.org.uk/>

<http://www.bbc.co.uk/arts>

Who you should see if you have any questions:

Please contact Ms Dauhoo if you have any queries by either writing a note in your daughter's planner or leaving a message at reception.

ICT CURRICULUM

The Staff:

Mrs A Ayub: Director of Learning for Computing and Creative studies

Mr N Swati: Teacher of Computing & Maths

Subject: BTEC Tech Award Creative Media & Computer Science Year 10

Exam Board: EDEXCEL BTEC and OCR Computer Science

Learners will be studying either a GCSE Computer Science pathway or BTEC Tech Award in Creative Media Production. Both courses will be taught over two years and pupils will complete their final examinations and controlled assessments in the summer term of year 10.

The Computer Science GCSE will enable learners to apply 'computational thinking', in context across both examined and non-examined assessment. Students will prepare for real world challenges and build student's ability to think computationally within the context of a single scenario. 'Computational thinking' is integrated throughout the content to embed this essential approach to the subject. The course is made up of two exams (40%) and an NEA (Non Examined Assessment) (20%) This will be a programming project that pupils will undertake in Year 10.

The second pathway available is the new and vocational BTEC Tech Award in Creative Media. Pupils get the chance to develop valuable skills and techniques in different disciplines, produce a practical response to a digital media brief, and explore potential careers in the industry

Both pathways will enable pupils to follow a variety of KS5 courses at college and sixth form, including Computer Science and L3 BTEC courses.

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
EDEXCEL BTEC 75% CONTROLLED ASSESSMENT 25% EXAM	Component 2	Component 2	Component 3 -Exam	Component 3 - Exam	Submission	-
OCR COMPUTER SCIENCE YEAR 10 2X EXAM 40% 1X CONTROLLED ASSESSMENT 20%	Logic (year 10 only on off) Databases Data Storage Compression Secondary storage	Internet WWW Encryption & NEA	Revision	Revision	Revision Exam May 2019	-

What will learners be required to do in class and at home?

Learners must complete all homework set and actively read the online resources. The resources listed at the end of this page are vital in helping learners bridge the gaps in their knowledge.

How will learners be assessed?

All learners will be assessed half-termly. The assessment will be made up of peer assessment, homework, class project tasks and end of unit tests using questions from the GCSE exam. Learners will sit an end of year test in June, where their final grade will be assessed.

How will learners progress at KS4?

See above for exam dates.

Useful resources:

<http://www.bbc.co.uk/education/subjects/zvc9q6f>

<http://www.bbc.co.uk/education/subjects/zqmtsbk>

<http://teachict.com>

<https://www.khanacademy.org/computing/cs>

<http://www.learnpython.org/>

Who you should see if you have any questions:

Please contact Mrs A Ayub if you have any queries or questions by either writing a note in your daughter's planner or leaving a message at reception.

ENGLISH

The Staff:

Ms Patel: Director of Learning for English
Miss Attas: Teacher of English & SEND Coordinator
Ms Descombes: Deputy Director Learning for English
Ms Malik: Teacher of English and Assistant Principal
Miss Khatun: Teacher of English
Ms Dedat: Teacher of English
Ms Asbali: Teacher of English

Subject: GCSE English Language and GCSE English Literature, Year 10

Exam Board: AQA

Year 10 at Eden Girls' School Learners will be studying GCSE English and English Literature (AQA). They will be given the opportunity to express their creativity as well as challenge themselves academically through a variety of topics and tasks throughout the year. The range of subjects that will be covered in English cater perfectly for the new GCSEs, encompassing the rich literary works of pre and post 19th century in prose and drama, alongside contemporary texts and functional skills. The nature of the curriculum has been designed to allow the learners to become familiar with the skills and knowledge that will effectively prepare them for their GCSE exams and beyond.

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
ENGLISH	Selected poetry cluster for English Literature: 'Power and Conflict' This cluster includes a variety of poems from the Romantics to present day poetry	English Language Paper 1	<i>An Inspector Calls</i>	English Language Paper 2	Exam Skills unit: Revision for English Language Paper 2	<i>Macbeth</i>

What will learners be required to do in class and at home?

Eden Girls' School expects learners to be highly punctual, well-equipped, and always working to the best of their ability. Class work will include various reading, writing and speaking and listening tasks throughout the year, as well as a significant emphasis on spelling, punctuation and grammar elements. Drama will also be practised within the curriculum. Learners will be set homework on a weekly basis, usually in sync with the topic that is being covered in class work at the time.

How will learners be assessed?

Tracking learners' progress is of extreme importance to us at Eden Girl's School. Learners are assessed on a daily basis via their classwork and homework, assessed formally at the end of every half term through a reading or writing assessment in class and sit a formal end of year examination.

How will learners progress at KS4?

In KS4 all learners will complete two English GCSE exams: English Literature and English Language

Useful resources:

There are many useful websites to assist with English skills and learning, here a few well-known sources:

<http://www.oed.com/>

<http://www.bbc.co.uk/education/subjects/zckw2hv>

<http://nfs.sparknotes.com/>

https://www.youtube.com/user/mrbruff	
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Who you should see if you have any questions:

If you have any questions regarding English, please contact Ms Patel or any other member of the English team.

MODERN FOREIGN LANGUAGE: FRENCH

The Staff:

MS.HABIBI: Director of Languages French and Spanish

Ms Beatriz Quiroga-Brads: Teacher of Spanish and French

Ms R. Nady: Teacher of French and Spanish

Subject: GCSE French, Year 10

Exam Board: AQA

Students will be examined in key skills: reading writing, speaking and listening. Language education is an integral part of a balanced school curriculum. It plays an important role in preparing learners for effective participation as global citizens of the 21st century. Learning a foreign language is a liberation from insularity and provides an opening to other cultures. A high-quality languages education should foster learners' curiosity and deepen their understanding of the world. The teaching should enable learners to express their ideas and thoughts in another language and to understand and respond to its speakers, both in speech and in writing. It should also provide opportunities for them to communicate for practical purposes, learn new ways of thinking and read great literature in the original language. Language teaching should provide the foundation for learning further languages, equipping learners to study and work in other countries.

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
Key Concepts	Linguistic Competence Knowledge about language Intercultural understanding Creativity	Linguistic Competence Knowledge about language Intercultural understanding Creativity	Linguistic Competence Knowledge about language Intercultural understanding Creativity	Linguistic Competence Knowledge about language Intercultural understanding Creativity	Linguistic Competence Knowledge about language Intercultural understanding Creativity	Linguistic Competence Knowledge about language Intercultural understanding Creativity
Themes	Family Relationships Friendship Home & Town	Free-Time Activities Healthy and lifestyle	Studies Life at School	Travel & Tourism Customs & Traditions and communities	Travel& Tourism	Family Marriage & Partnership Revision of all Tenses

What will learners be required to do in class and at home?

Learners are expected to come to lessons fully equipped. A text book and dictionary will be provided to them during the lesson. Learners are expected to:

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help
- speak in sentences, using familiar vocabulary, phrases and basic language structures
- develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases
- read carefully and show understanding of words, phrases and simple writing
- broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly

- describe people, places, things and actions orally and in writing
- understand basic grammar appropriate to the language being studied, such as (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs.

How will learners be assessed?

All learners will be assessed half-termly, through a Reading and Writing task set as homework and a Listening and Speaking test on the topic being studied during that half-term.

Useful resources:

The following websites might be helpful to practice French independently:

- [Courrier international](#) (READ - newspaper)
- [RFI Savoir](#) (LISTEN - radio)
- [Linguascope](#) (WRITE)
- [Duolingo](#) (SPEAK)
- [Learn French with FrenchPod101.com](#) (LISTEN)
- [Vocab Express](#) Vocabulary and Spelling

Who you should see if you have any questions:

Please contact Ms Nady or Ms Kane if you have any queries by either writing a note in your daughter's planner or leaving a message at reception.

MODERN FOREIGN LANGUAGE: ARABIC

The Staff:

Moulana Muhammad: Head of Year 8 & 10, Teacher of Arabic

Mrs Nady: Arabic Teacher

Subject: GCSE Arabic, Year 10

Exam Board: EDEXCEL

During the course of the year, each class will have two hours of Arabic per week. The level of Arabic studied will vary in accordance with the learner's abilities.

How does the study of Arabic benefit my daughter?

The study of Arabic bears great fruit and will be of immense benefit to your daughter. She will gain the ability to develop her Arabic foundations and to articulate herself in written and spoken form. This will allow her to engage with the wider world and will put her in a strong position to study advanced Arabic upon the completion of her GCSE.

The Curriculum:

YEAR 10	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
Themes	Local area, holiday and travel	Local area, holiday and travel	School	Future aspirations, study and work	Future aspirations, study and work	International and global dimension

What will my daughter be required to do in class and at home?

Learners are expected to come to lessons fully equipped. A text book and dictionary will be provided to them during the lesson. Learners are expected to:

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help
- speak in sentences, using familiar vocabulary, phrases and basic language structures
- develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases
- read carefully and show understanding of words, phrases and simple writing
- broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly
- describe people, places, things and actions orally and in writing
- understand basic grammar appropriate to the language being studied, such as (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs.
- Your daughter may use the internet for research, but please do not allow her to 'Copy + Paste' from the web, especially through the use of Google Translate. Please also encourage your daughter to read around the subject and practise conversational Arabic.

How will my daughter be assessed?

Your daughter will be assessed half-termly in each subject through a written, reading, speaking or listening assessment based on the topic being studied that half-term.

What will my daughter do in the coming few years?

In the coming few years, your daughter will study a variety of new themes which will enable her to communicate with others in a variety of different situations. Years 10 and 11 are particularly important as certain elements of Arabic grammar will be focused upon.

Who you should see if you have any questions:

In the first instance all subject specific queries should be referred to your daughter's Arabic teacher Moulana Muhammad or Mrs Nady by either writing a note in your daughter's planner or leaving a message at reception.

MODERN FOREIGN LANGUAGE: URDU

The Staff:

Moulana Yahya Nadat: Teacher of Urdu

Subject: GCSE Urdu, Year 10

Exam Board: EDEXCEL

Students will be examined in key skills: reading writing, speaking and listening. Language education is an integral part of a balanced school curriculum. It plays an important role in preparing learners for effective participation as global citizens of the 21st century. Learning a foreign language is a liberation from insularity and provides an opening to other cultures. A high-quality languages education should foster learners' curiosity and deepen their understanding of the world. The teaching should enable learners to express their ideas and thoughts in another language and to understand and respond to its speakers, both in speech and in writing. It should also provide opportunities for them to communicate for practical purposes, learn new ways of thinking and read great literature in the original language. Language teaching should provide the foundation for learning further languages, equipping learners to study and work in other countries.

How does the study of Urdu benefit my daughter?

The study of Urdu bears great fruit and will be of immense benefit to your daughter. She will gain the ability to develop her Urdu foundations and to articulate herself in written and spoken form. This will allow her to engage with the wider world.

The Curriculum:

YEAR 10	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
Themes	Local area, holiday and travel Holidays Travel and tourist transactions	Local area, holiday and travel Holidays Travel and tourist transactions	School What school is like school activities	School What school is like school activities	Future aspirations, study and work	Future aspirations, study and work

What will my daughter be required to do in class and at home?

Learners are expected to come to lessons fully equipped. A text book and dictionary will be provided to them during the lesson. Learners are expected to:

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help
- speak in sentences, using familiar vocabulary, phrases and basic language structures
- develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases
- read carefully and show understanding of words, phrases and simple writing
- broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly
- describe people, places, things and actions orally and in writing
- understand basic grammar appropriate to the language being studied, such as (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs.

How will my daughter be assessed?

All learners will be assessed half-termly, through a Reading and Writing task set as homework and a Listening and Speaking test on the topic being studied during that half-term.

What will my daughter do in the coming few years?

In the coming few years, your daughter will study a variety of new themes which will enable her to communicate with others in a variety of different situations. Years 10 and 11 are particularly important as certain elements of Urdu grammar will be focused upon.

Who you should see if you have any questions:

In the first instance all subject specific queries should be referred to your daughter's Urdu teacher Moulana Yahya; by either writing a note in your daughter's planner or leaving a message at reception.

HUMANITIES

History, Geography, RS and Citizenship

The Staff:

Ms A. Mayet: Assistant Principal & Director of Learning – Humanities

Mr. Z. Azam: Religious Education Lead

Ms J. Munteanu: Teacher of Geography

Ms Z. Aswat: History and P.S.H.E Lead

Ms A. Ahmad: Teacher of History & Citizenship

The Humanities Faculty Subjects:

In Year 10, all learners have separate specialist teaching of History or Geography, Religious Studies (RS) and Citizenship. Within the faculty, all learners will have two lessons each of History or Geography and GCSE RS a week and one lesson of Citizenship this year. In GCSE RS, all students follow a two year pathway with AQA – Religious Studies - Specification A. We specialise in the religions of Christianity and Islam to facilitate a comparative approach. In History and Geography AQA specifications are followed on a three year pathway – students will study one of these EBacc subjects. The study of History will consist of a period study, a thematic study, a wider world depth study and a British depth study. The study of Geography will consist of living with the physical environment, challenges of the human environment and the acquiring of geographical skills and their application. In Citizenship, students will follow the AQA specification and will learn about fundamental British values by breaking them down through application and analysis.

Why are Humanities subjects important?

Humanities is an important area of study for all learners, as it will help them develop as an individual and as a member of society, by engaging with our British heritage and the wider world. They will develop their ability to articulate themselves in written and spoken form; they will hone their skill in presenting arguments by executing an acute analysis of information before reporting a balanced point of view thus leading them to make an informed judgement. Our learners' excellence in the Humanities field will have a direct positive impact on their involvement in Eden Girls' Big Society projects.

What will learners study in Year 10?

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
GCSE HISTORY	<u>Period Studies:</u> Germany 1890-1945 Democracy and Dictatorship	<u>Period Studies:</u> Germany 1890-1945 Democracy and Dictatorship	<u>British Depth Studies:</u> Elizabethan England	<u>British Depth Studies:</u> Elizabethan England	Revision & preparation for mock exams on Paper 1 and Paper 2	<u>Wider World Depth Studies:</u> Conflict & Tension 1918-1939
GCSE GEOGRAPHY	<u>Physical Environment:</u> <u>Sect B</u> The Living world	<u>Physical Environment</u> <u>Sect A</u> <u>Physical landscapes in the UK-Rivers</u>	<u>Human Environment:</u> <u>Sect C</u> The Challenge of Resource Management	<u>Physical Environment:</u> <u>Sect C</u> Landscapes of the UK - Coasts	<u>Physical Environment:</u> <u>Sect B</u> Living World – Rivers / Revision preparation for mock paper	<u>Geographical Applications:</u> <u>Sect B</u> Fieldwork – Physical Enquiry (Coasts)
GCSE RS	<u>Religious, Philosophical & Ethical Studies:</u> B - Religion & Life	<u>Religious, Philosophical & Ethical Studies:</u> E - Religion, Crime & Punishment	<u>Religious, Philosophical & Ethical Studies:</u> F - Religion, Human Rights & Social Justice	Revision & preparation for final exams	Revision & preparation for final exams	GCSE RS course complete <u>Citizenship Revision</u>
GCSE	<u>Life in Modern Britain: Media,</u>	<u>Politics & Participation:</u>	<u>Active Citizenship</u>	<u>Active Citizenship</u>	Revision preparation for	<u>Citizenship Revision</u>

CITIZENSHIP	Free Press & International Organisations <u>Rights & Responsibilities:</u> The Law, Citizens, Criminals & Human Rights	<u>Political Power –</u> Citizens, Parliament, Gov't & Other governments	<u>Project</u>	<u>Project</u> Revision preparation for mock paper	mock paper	
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What will learners be required to do in class and at home?

All learners are expected to come fully equipped for lessons with their exercise book. In class they need to immerse themselves into the lesson with active participation, through speaking, listening, reading and writing. In addition, all learners will be given homework to complete in all four subject areas once a week to develop key skills and knowledge; please encourage your daughter to read around the subject. We expect each homework to take about 30 minutes to complete to the best of their ability and ready to submit on time on the due date. Students may use the internet for research, but please do not allow them to 'Copy + Paste' from the web.

How will learners be assessed?

All learners will be assessed half-termly in each subject through a written assessment based on the topic being studied that half-term. In May/June, they will sit the formal public exams in RS, which will assess them on all topics studied throughout the last two years. In addition, they will have an End of Year exam in all other areas, assessing them on all topics studied that year, within each subject.

How will learners progress at KS4?

By the end of Year 10 students will have gained a GCSE in RS and by the end of Year 11 students will have gained a GCSE in History or Geography and Citizenship. Therefore, at the end of Year 11 students will have three GCSEs in the Humanities faculty; which will provide a strong foundation to beginning their A-Level studies.

Useful resources:

Generic (suitable for all subjects)

BBC Bitesize – KS4: <http://www.bbc.co.uk/education/levels/z98jmp3>

BBC Schools – Secondary: www.bbc.co.uk/schools/websites/11_16/

Channel 4 Learning – Secondary: www.channel4learning.com/index.html

BBC Two Learning Zone – Educational Video clips:

<http://www.bbc.co.uk/programmes/articles/rvs25lwZ9y6wJ4NNP3T3J/learning-zone-ages-14-16>

Student revision resources: <http://www.thestudentroom.co.uk/content.php?r=1838-gcse>, <https://getrevising.co.uk>

Examining Board: <http://www.aqa.org.uk>

Application for Apple or Android users: Gojimo (student revision app)

GCSE History:

www.historylearningsite.co.uk/

www.schoolhistory.co.uk

GCSE Geography:

http://www.geographyalltheway.com/igcse_geography.htm

GCSE RE:

<http://www.rsrevision.com/GCSE/index.htm>

Who you should see if you have any questions:

In the first instance all subject specific queries should be referred to the teacher for that subject, by either writing a note in your daughter's planner or leaving a message at Reception. For more serious concerns, please refer your query to the Assistant Principal & Director of Learning for Humanities & Sport – Ms Mayet.

MATHEMATICS

Mrs. J. Phillips: Director of Learning for Mathematics
Mrs. Y. Delli: Deputy Director of Learning for Mathematics
Mrs. H.Chana: Teacher of Mathematics and in charge of Careers
Mrs S. Hossain: Teacher of Mathematics and in charge of STEM
Mr S. Khaliq: Deputy Principal & Teacher of Mathematics
Mrs. A. Chamad: Teacher of Mathematics
Ms. D. Abukar: Teacher of Mathematics
Ms I. Ali: Teacher of Mathematics
Mr N. Swati: Teacher of Mathematics & Computer Science

Subject: GCSE Mathematics, Year 10

Exam Board: EDEXCEL

Mathematics contributes to the Eden curriculum by enabling learners to develop fluent mathematical methods and concepts, solve problems, reason mathematically and communicate mathematical information in a variety of forms.

Here at Eden Girls' School the Mathematics Department aims to ensure that student enjoyment and progress is at the core of all teaching, learning and problem - solving strategies embedded in their learning.

The Curriculum:

The learners at Eden Girls' will follow the Edexcel GCSE (9-1) scheme of work, which is assessed at the end of Year 11. Pupils will follow the Foundation or Higher scheme of work. Support is provided for GCSE pupils through focused intervention groups and thorough monitoring and data tracking.

Both Schemes of Work, Foundation & Higher covers all the key areas of Mathematics. The topics covered in each scheme are in the table below:

Foundation Tier

TERM	UNIT	TOPICS
AUTUMN TERM 1	Graphs	Linear Graphs, Gradient, Real-Life Graphs, Distance-Time Graphs
	Transformations	Translations, Reflections, Rotations, Enlargements, Combining Transformations
AUTUMN TERM 2	Transformations	(continued)... Translations, Reflections, Rotations, Enlargements, Combining Transformations
	Ratio & Proportion	Using Ratios, Comparing using Ratios, Proportion Problems
SPRING TERM 1	Right-angled Triangles	Pythagoras' Theorem, Trigonometry
	Probability	Calculating Probability, Experimental Probability, Venn Diagrams, Tree diagrams
SPRING TERM 2	Probability	(continued)... Calculating Probability, Experimental Probability, Venn Diagrams, Tree diagrams
	Multiplicative Reasoning	Percentages, Growth & Decay, Compound Measures, Direct & Inverse Proportion
SUMMER TERM 1	Constructions, Loci & Bearings	Plans & Elevations, Scale Drawings & Maps, Constructions, Loci & Regions, Bearings
SUMMER TERM 2	Quadratic Equations & Graphs	Expanding Double Brackets, Plotting Quadratic Graphs, Factorising Quadratic Expressions, Solving Quadratic Equations Algebraically

Higher Tier

TERM	UNIT	TOPICS
AUTUMN TERM 1	Equations & Inequalities	Solving Quadratic Equations, Completing the Square, Simultaneous Equations, Solving linear inequalities
	Probability	Combined Events, Mutually Exclusive Events, Experimental Probability, Independent Events, Tree Diagrams, Conditional Probability, Venn Diagrams & Set Notation
AUTUMN TERM 2	Probability	(continued)... Combined Events, Mutually Exclusive Events, Experimental Probability, Independent Events, Tree Diagrams, Conditional Probability, Venn Diagrams & Set Notation
	Multiplicative Reasoning	Growth & Decay, Compound Measures, Ratio & Proportion
SPRING TERM 1	Similarity & Congruence	Congruence, Geometric Proof, Similarity
	More Trigonometry	Accuracy, Graphs of Trigonometric Functions, Transforming trigonometric Graphs
SPRING TERM 2	More Trigonometry	(continued)... Accuracy, Graphs of Trigonometric Functions, Transforming trigonometric Graphs
	Further Statistics	Sampling, Cumulative Frequency, Box Plots, histograms, Comparing & Describing Populations
SUMMER TERM 1	Equations & Graphs	Solving Simultaneous Equations Graphically, Graphs of Quadratic Functions, Graphs of Cubic Functions
SUMMER TERM 2	Circle Theorems	Radii & Chords, Angles in Circles, Applying Circle Theorems

In addition to these areas, learners will also be given extensive practise in becoming fluent in mathematics, problem solving and reasoning mathematically.

What will learners be required to do in class and at home?

A variety of teaching methods will be employed during the mathematics lessons and a range of tasks will be set that challenge, enthuse, motivate and demand the active participation of the learners.

Learners will be encouraged to progress through the tasks and hence deepen their knowledge and understanding of Mathematics.

Learners will also be set a 60 - minute mathematics homework task per week. The aim of this homework is to consolidate, extend or research.

How will learners be assessed?

Learners will continually be assessed during lessons to ensure that they understand the content and that the mathematical ideas can be applied.

They will also be sitting end of Unit Assessments, half termly progress tests and review tests to demonstrate the progress they are making. In June, they will have an End of Year exam, assessing them on all the topics studied during the course of the year.

How will learners progress at KS4?

In KS4 all learners will complete a GCSE Mathematics exam at either Foundation or Higher Tier.

Useful resources:

www.vle.mathswatch.co.uk

www.nrich.com

www.corbettmaths.com

www.mathsgenie.co.uk

Examining body: <https://qualifications.pearson.com/en/home.html>

Who you should see if you have any questions:

If you have any queries or concerns about the Mathematics Curriculum here at Eden Girls' then please do not hesitate to contact your daughters' Mathematics teacher or Mrs J. Phillips, Director of Learning for Mathematics.

PHYSICAL EDUCATION

The Staff:

Ms. L. Irvine: Teacher of PE

Physical Education:

In Year 10, all learners will have one Physical Education lesson a week, plus a double lesson if they are also studying PE for a GCSE. In PE, your daughter will have an opportunity to engage and participate in physical sports, focusing on different sports every half term. Your daughter is expected to arrive equipped to learn for every PE lesson, with the correct full PE kit and footwear.

How does the study of PE benefit my daughter? / Why is PE important?

Physical education focuses upon the different ways of staying fit and healthy. Pupils engage in various activities throughout the year including sports and aerobics. Whilst undertaking these activities they learn, maintain and develop their skills through coordination, balance, agility and many more. Physical education teaches students the importance of physical health. Secondary school is an age where students misinterpret the meaning of "overweight" and eating disorders prevail. Physical health and education informs students on sound eating practices and the essential guidelines for nutrition. She will develop her ability to articulate herself in written and practical form. Your daughter's excellence in the Physical Education field will have a direct positive impact on her involvement in Eden Girls' sports days and tournaments where she will have an opportunity to represent the school and showcase Sports Leadership in action.

What will my daughter study in Year 10?

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
CAMBRIDGE NATIONALS SPORTS SCIENCE	<u>Practical:</u> Netball <u>Theory:</u> Fitness & Body Systems	<u>Practical:</u> Badminton <u>Theory:</u> Fitness & Body Systems	<u>Practical:</u> Basketball <u>Theory:</u> Fitness & Body Systems	<u>Practical:</u> Fitness/ Aerobics <u>Theory:</u> Health & performance	<u>Practical:</u> Football <u>Theory:</u> Health & performance Revision preparation for mock exams	Personal Exercise Programme <u>Practical:</u> Athletics <u>Theory:</u> PEP folders

What is the Cambridge National Certificate?

Cambridge Nationals are vocationally related qualifications that take an engaging, practical and inspiring approach to learning and assessment. They're industry relevant, geared to key sector requirements and very popular with schools and colleges because they suit such a broad range of learning styles and abilities. It is targeted at 14-16 year olds in a school environment. They're available as an Award and a Certificate, with the Certificate being the same size as a GCSE. They use both internal and external assessment and meets the DfE's requirements for attainment tables and headline performance measures.

Sport is a key theme in most areas of both education and health policy. The need for people to lead healthy and active rather than sedentary lifestyles is increasingly prominent in respect of government initiatives, and this is reflected in the school curriculum, where physical education and sport remains core; these qualifications seek to build upon this provision at key stages 3 and 4.

These sport qualifications offer learners the chance to develop different types of skills through largely practical means; communication, problem solving, team working, evaluation and analysis, performing under pressure, and formulating written findings from practical investigation are all transferable skills which can be learned and assessed through these qualifications and utilised in many other educational and employment settings.

Both qualifications have been designed with practical and engaging ways of teaching in mind and enable learners to:

- Develop a range of skills through involvement in sport and physical activity in different contexts and roles
- Develop their ability to apply theoretical knowledge to practical situations
- Gain a better understanding of the complexity of different areas of sport and the sports industry
- Increase their awareness of different ways to stay involved in sport and physical activity and of different careers and roles within sport.

Sport Science

Elite sport has embraced sport science disciplines wholeheartedly in the past few decades, moving from a perspective which assumed the primacy of natural talent in producing outstanding performance, to one which considers every minute detail of an athlete's training programme, rest time, environment and psychology in the pursuit of excellence. The Cambridge Nationals in Sport Science offer students the opportunity to study key areas of sport science including anatomy and physiology linked to fitness, health, injury and performance; the science of training and application of training principles, and psychology in sport and sports performance.

What will my daughter be required to do in class and at home?

Your daughter is expected to come fully equipped for lessons with her PE kit and exercise book. In class she needs to immerse herself into the lesson with active participation, through speaking, listening and practicing. In addition, your daughter will be given homework to practice specific sporting techniques once a week to develop key skills and knowledge; encourage your daughter to practice the techniques. We expect each homework to take about 30 minutes to complete to the best of her ability and ready to submit on time on the due date. Your daughter may use the internet and DVD'S for research and practice.

For the Cambridge National Certificate students will spend a lot of time completing coursework in class and at home. This will require strengthening and improving their ability to implement their knowledge into a piece of written work in order to complete each learning outcome.

How will my daughter be assessed?

Your daughter will be assessed half-termly through a written or practical assessment based on the topic being studied that half-term. In June, she will have an End of Year exam, written and practical assessing her on all topics studied that year, within each subject.

Useful resources:

BBC Bitesize – KS4: <http://www.bbc.co.uk/education/levels/z98jmp3>

BBC Schools – Secondary: www.bbc.co.uk/schools/websites/11_16/

Channel 4 Learning – Secondary: www.channel4learning.com/index.html

Student revision resources: <http://www.thestudentroom.co.uk/content.php?r=1838-gcse>, <https://getrevising.co.uk>

Examining Board: <https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-studies-level-1-2-j803-j813/>

Application for Apple or Android users: Gojimo (student revision app)

Who you should see if you have any questions:

In the first instance all subject specific queries should be referred to your daughter's PE teacher Ms. Irvine; by either writing a note in your daughter's planner or leaving a message at Reception. For more serious concerns, please refer your query to the Assistant Principal & Director of Learning for Humanities & Sport – Ms Mayet.

SCIENCE

Biology, Chemistry, Physics

The Staff:

Mr Z Ahmed: Director of Learning: Science

Ms R Rafiq: Assistant Principal and Teacher of Science

Ms A Saleban: Teacher of Science

Mr I Abdur-Rahman: Teacher of Science

Ms S Ahmed: Teacher of Science

Ms T Mehtab: Teacher of Science

Subject: Science, Year 10

Edexcel GCSE (9-1) Sciences

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
GCSE COMBINED SCIENCE (OR TRIPLE SCIENCE)	Biology: Health and disease (Communicable and non-communicable diseases, Biology: Efficient transport and exchange	Physics: Radioactivity (Atomic structure and models, Types of radiation, Radioactive decay, Half-life)	Chemistry: Acids and alkalis (Acids, alkalis and indicators, Neutralisation, Bases and salts, Reactions of acids)	Physics: Work and Power Physics: Electricity (Circuits, Current, Potential difference and resistance, electrical safety)	Biology: Ecosystems (Abiotic and biotic factors, Biodiversity, cycles) Biology: Hormones	Chemistry: Electrolysis, Extracting metals, Life cycle assessments and Dynamic equilibrium Chemistry: Groups in the Periodic Table

What learners will be required to do in class and at home?

There will be a focus on skills for Year 10 Science. Learners will be working on theoretical and experimental aspects to gain practical skills and the understanding behind scientific phenomena.

Learners are expected to complete 2-3 pieces of Homework (for every topic) to reinforce their learning from class. This will also help learners to revise and prepare for the End of Unit Test.

How will learners be assessed?

End of Unit Tests - Every 3/4 weeks at the end of the topic, to assess their understanding of the topic of study. This means that there will be an assessment for a Biology topic, a Chemistry topic and a Physics topic approximately every half term.

How will learners progress at KS4?

Learners will progress to either Combined Science or be entered for Triple Science. Exams will be held at the end of Year 11.

Useful resources:

Online BBC Bitesize for GCSE Sciences (Edexcel) (KS4). Pearson **workbooks** for Biology, Chemistry and Physics, these can be bought from shops and websites such as WHSmith and Amazon.

Who you should see if you have any questions:

Mr Z Ahmed (Director of Learning for Science)