Eden Girls

Year 9
Curriculum Booklet 2017

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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.

I would also like to draw your attention to the Year 9 Subjects for ICT and Religious Studies which will be reported using the old GCSE Grading System.
All other GCSE subjects will be reported 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 9
Exam Board: AQA
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. GCSE Art is an option In addition pupils need to show commitment throughout year 9, and independent learning to include first hand and second hand research to be able to do Art 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. 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 and Observation	Responding to Artist	Mini Art project workshop based on Batik		Self Portrait Abstract Art	Self Portrait Abstract Art
Themes	Surfaces		Organic Forms		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. In year 9, they will also be expected to bring in objects such as artificial or natural flowers for observation. In class they are expected to do the tasks set which involves drawing, colouring in and painting. They will be learning about various techniques.

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 2020.

See overleaf…

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 & COMPUTING 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 9
Exam Board: EDEXCEL
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
Computer science	Problem Solving & Programming	Problem Solving & Programming	Models, Data Reps,	Networks	Logic, Data Rep: Text. The bigger picture End of year exam	Data Rep: Graphics & sounds
BTECH FIRST IT & Creative Technology	Component 1 Exploring Media Products	Component 1 Exploring Media Products	Component 2 Developing Digital Media Skills	Component 2 Developing Digital Media Skills	Component 2 Developing Digital Media Skills	Component 2 Developing Digital Media Skills

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. Computer Science will be assessed using traditional methods of assessment such as end of term exams. 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?

Learners will complete their GCSE Computer Science course in June 2019 at the end of Year 10.
Learners will complete the BTEC course at the end of year 10 in June 2019.

Useful resources:

http://www.bbc.co.uk/education/subjects/zvc9q6f http://teachict.com https://www.khanacademy.org/computing/cs	http://www.bbc.co.uk/education/subjects/zqmtsbk 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 Begum: Teacher of English
Ms Malik: Teacher of English and Assistant Principal
Miss Hassan: Teacher of English
Miss Khatun: Teacher of English

Subject: GCSE English Language and Literature, Year 9
Exam Board: AQA
Year 9 at Eden Girls' School 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	**Post 1914 Drama** *Blood Brother* by Willy Russell (essay writing) + Non-fiction articles in relation to *Blood Brothers* (English language) + Writing a speech (non-fiction writing)	**19th Century short stories** (essay writing- Critical Evaluation) **+** **Writing to describe**	Understanding and practising English Language Paper 2 (Non-fiction)	**Exam Skills unit:** Revision English Lang Paper 2	Poetry Anthology Power & Conflict

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. Learners will also be set reading homework, and they will be tested on this via Accelerated Reader.

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. Learners' reading ability will also be tested through Accelerated Reader and STAR reader tests.

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 https://www.youtube.com/user/mrbruff	

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 F. Kane: Teacher of French and Spanish
Mrs R. Nady: Teacher of French and Spanish

Subject: French, Year 9
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	Identity & Culture. Me, my family and friends.	Identity & Culture. Me, my family and friends. Technology in everyday life	Identity & Culture. Technology in everyday life Free-time activities	Identity & Culture. Free-time activities	Identity & Culture. Customs and festivals in French – speaking countries	Local, national, international and global areas of interest Home, town

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) (ask the teacher for the login)
- Duolingo (SPEAK)
- Learn French with FrenchPod101.com (LISTEN)

Who you should see if you have any questions:

Please contact Mrs 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: SPANISH

The Staff:
Ms R. Nady: Teacher of French, Spanish and Arabic
Ms F. Kane: Teacher of French and Spanish

Subject: GCSE Spanish, Year 9
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 forractical 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	Hobbies Going out	Opinion Friendship Celebrities Daily routine Nationalities	Places in town Future plans Inviting someone to go out Making excuses Expression opinion of dislike	Holidays	Food In the restaurant	Clothes School uniform Holiday

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:

- El Mundo (READ - newspaper)
- RTVE (LISTEN - radio)
- Linguascope (WRITE)
- Duolingo (SPEAK)
- Learn French with SpanishPod101.com (LISTEN)

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.

HUMANITIES
History, Geography, RS and Citizenship

The Staff:
Ms A. Mayet: Assistant Principal & Director of Learning - Humanities
Ms J. Munteanu: Teacher of Geography
Ms Z. Aswat: Teacher of History
Ms A. Ahmad: Teacher of History & Citizenship
Moulana Yahya: Teacher of RE

The Humanities Faculty Subjects:
In Year 9, 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 9?

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
GCSE HISTORY	Thematic Studies: 2A Britain - Health and the people: c790 to the present day	Thematic Studies: 2A Britain - Health and the people: c790 to the present day	Thematic Studies: 2A Britain - Health and the people: c790 to the present day	Wider World Depth Study: Conflict and Tension 1918-1939	Revision & preparation for mock exams	Wider World Depth Study: Conflict and Tension 1918-1939
GCSE GEOGRAPHY	Physical Environment: Sect A The Challenge of Tectonic Hazards	Physical Environment: Sect A Weather Hazards & Climate Change	Human Environment: Sect C The Challenge of Resource Management	Human Environment: Sect B The Changing Economic World	Revision & preparation for mock exams	Physical Environment: Sect B Living World
GCSE RS	Study of Religions: Islam – Beliefs & Teachings	Study of Religions: Islam – Practices	Study of Religions: Christianity – Beliefs & Teachings	Study of Religions: Christianity – Practices	Revision & preparation for mock exams	Religious, Philosophical & Ethical Studies: A - Relationships & Families

GCSE CITIZENSHIP	Life in Modern Britain: Principles, Values & Identity	Rights & Responsibilities: Laws & The Legal System	Politics & Participation Political Power in the UK – Local & Devolved	Life in Modern Britain: The Media & The Free Press	Revision & preparation for mock exams	Active Citizenship Project

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 three of the 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 June, they will have an End of Year exam, 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/rvs25lwZ9y6wJ4NNP3TZ3J/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.

DRAMA

The Staff:
Dr. A. Mohammad: Teacher of Drama, Maths & Science

Subject: GCSE Drama, Year 9
Exam Board: AQA
The GCSE Drama course will run over three years with all formal assessments taking place in Year 11. The curriculum has been designed so as to prepare Year 9 learners with the fundamental knowledge and skills required for GCSE and beyond. This includes the analysis of written text as well as live performance, demonstrating competence in the various elements of theatre design and performance and the devising of unscripted theatre.

The full GCSE course constitutes three parts:

- **Component one** is the written exam worth 40% of the final mark assessing learners understanding of drama. This includes general theatre knowledge, the study of one set play and the ability to analyse live theatre.
- **Component two** is also worth 40% and is concerned with the learner's abilities to devise unscripted drama and assessing their process of creating and evaluating this work in addition to their performance of it. Note that students can contribute to this element as either performers or designers.
- **Component three** is worth 20% and assesses learner's performances of two extracts from one play, which again can be contributed to as either performers or designers.

The Curriculum:

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
DRAMA	**Introduction to Drama**	**Responding to Live Theatre: Performance and Design Analysis**	**Introduction to devising unscripted theatre.**	**Devising Drama**	**Introduction to Performance Skills**	**Texts in Practice**

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

All learners are provided with exercise books that form their drama diaries in which all learning is recorded, research is documented and homework carried out. Self-evaluation and peer-evaluation is an important part of the GCSE Drama learning experience, for which maturity and consideration are expected learner qualities. In addition to formal homework set at least fortnightly, learners will be expected to carry out independent research at home to develop their learning and prepare them for class activities. Clear, presentable and organised exercise books will be expected at all times and indeed assessed as part of component two of the Drama GCSE. Learners will also be expected to attend formally organised class trips to attend a live theatre performance every term. Analysing live work is an assessed component of GCSE Drama.

How will learners be assessed?

Learners will be assessed every half-term by collating their homework, class projects tasks, peer assessment and end of unit tests using questions from past GCSE exam papers. The methods of assessment will vary depending upon the GCSE component focused upon that term, e.g. written exam, marking devising logs, assessing performances, etc. The teacher will go through the assessment criteria with learners to ensure they understand what will be required to achieve the grade for which they're aiming.

How will learners progress at KS4?

Learners will complete their GCSE Drama course in June 2020 at the end of Year 11.

Useful resources:

The following websites can help learners develop their understanding of drama:

- http://www.bbc.co.uk/education/subjects/zbckjxs
- http://www.supersummary.com/drama-theater-guide/
- www.theatrecrafts.co.uk
- www.horseandbamboo.org
- www.theatredesign.org.uk
- www.nationaltheatre.org.uk/newconnections
- www.stageplays.co.uk
- www.nationaltheatre.org.uk
- www.pilot-theatre.com
- www.rsc.org.uk

Who you should see if you have any questions:

If you have any questions regarding GCSE Drama, please contact Dr Mohammad directly by either writing a note in your daughter's planner or leaving a message at reception.

MATHEMATICS

Mrs H.Chana: Acting Director of Learning: Mathematics
Mrs S. Hossain: Acting Deputy Director of Learning: Mathematics
Mr S. Khaliq: Deputy Principal & Teacher of Mathematics
Mrs. D. Omorogbe: Teacher of Mathematics
Ms. D. Abukar: Teacher of Mathematics
Ms I. Ali: Teacher of Mathematics
Dr. A. Mohammad: Teacher of Mathematics, Science & Drama
Mr N. Swati: Teacher of Mathematics & Computer Science

Subject: GCSE Mathematics, Year 9
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 activity.

The Curriculum:

During the course of the year, 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.

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	Number	Decimal Numbers, Factors & Multiples, Squares, Cubes & Roots, Index Notation, Prime Factors
	Algebra	Simplifying expressions, Substitution, Formulae, Expanding Brackets, Factorising
AUTUMN TERM 2	Algebra	(continued)…Simplifying expressions, Substitution, Formulae, Expanding Brackets, Factorising
	Graphs, Tables & Charts	Frequency tables, two-way tables, Representing data, Time series, Stem & Leaf Diagrams, Pie Charts, Scatter Graphs
SPRING TERM 1	Fractions & Percentages	Operations with Fractions, Fractions, Decimals & Percentages
	Equations, Inequalities & Sequences	Solving Equations, Inequalities, Using Formulae, Generating Sequences
SPRING TERM 2	Equations, Inequalities & Sequences	(continued)… Solving Equations, Inequalities, Using Formulae, Generating Sequences
	Angles	Angles in Parallel Lines, Angles in Triangles, Exterior & Interior angles
SUMMER TERM 1	Averages & Range	Mean, Mode, Median & Range, Estimating the Mean, Sampling

Summer Term 2	Perimeter, Area & Volume 1	Area of Rectangles, Triangles, Parallelograms & Trapeziums, Area of Compound shapes, Surface Area of 3D solids, Volume of Prisms

Higher Tier

Term	Unit	Topics
Autumn Term 1	Number	HCF & LCM, Calculating with Powers, Negative & Fractional Indices, Powers of 10, Standard Form, Surds
	Algebra	Algebraic Indices, Expanding & Factorising, Equations, Formulae, Linear & non-linear Sequences
Autumn Term 2	Algebra	(continued)… Algebraic Indices, Expanding & Factorising, Equations, Formulae, Linear & non-linear Sequences
	Interpreting & Representing Data	Statistical Diagrams, Time series, Scatter graphs, Averages
Spring Term 1	Fractions, Percentages, Ratio & Proportion	Fractions, Decimals & Percentages, Ratio & Proportion
	Angles & Trigonometry	Angle Properties of Triangles & Quadrilaterals, Interior & Exterior Angles of a Polygon, Pythagoras' Theorem, Trigonometry
Spring Term 2	Angles & Trigonometry	(continued)…Angle Properties of Triangles & Quadrilaterals, Interior & Exterior Angles of a Polygon, Pythagoras' Theorem, Trigonometry
	Graphs	Linear Graphs, Graphing rates of Change, Real-life Graphs, Quadratic Graphs, Cubic & Reciprocal Graphs
Summer Term 1	Area & Volume	Perimeter & Area, Units of Accuracy, Prisms, Area of Circles, Area of Sectors, Volume of Cylinders, Spheres, Pyramids & Cones
Summer Term 2	Transformation & Construction	3D Solids, Reflection, Rotation, Enlargement, Translation, Bearings, Scale drawings, Constructions, Loci

In addition to these areas, learners will also be given extensive practice 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
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 H. Chana–Acting Director of Learning for Mathematics.

PHYSICAL EDUCATION

The Staff:
Ms I. Kolitsopoulou: Teacher of PE
Ms. H. Dadabhoy: Teacher of PE (Head of Year 9 & 10)

Physical Education:
In Year 9, 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 9?

	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
GCSE PE	Practical: Athletics Theory: Health & Performance	Practical: Rock Climbing Theory: Fitness & Body Systems	Practical: Netball Theory: Fitness & Body Systems	Practical: Tennis / Badminton Theory: Fitness & Body Systems	Practical: Basketball Theory: Fitness & Body Systems and Health & Performance Revision & preparation for mock exams	Practical: Gymnastics Theory: Movement Analysis

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.

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: http://www.edexcel.com

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 Kolitsopoulou or Ms Dadabhoy; 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:

Ms R Rafiq: Director of Learning: Science
Mr Z Ahmed: Teacher of Science and Maths
Miss A Salebhan: Teacher of Science
Mr I Abdur-Rahman: Teacher of Science
Miss Salma Ahmed: Teacher of Science
Dr. Avaes Mohammed: Teacher of Science, Maths and Drama

Subject: Science, Year 9

Edexcel GCSE (9-1) Sciences

The Curriculum:

Week	Unit/ Code	Aspect of Science
Autumn 1	Biology- **CSB1** (24 Lessons altogether) Practical 3.6: Investigate how to extract DNA from fruits	B1 Key biological concepts (9) Revision and assessment
October Half Term		
Autumn 2	Chemistry- **CSC1** (23 lessons all together) Practical 3.7: Chromatography (1 lessons)	Over-arching concepts in chemistry (20) C1 States of matter C3 Atomic structure C4 The periodic table C5 Ionic bonding C6 Covalent bonding C7 Types of substance C8 Calculations involving masses C2 Methods of separating and purifying substances (3)
X-Mas Break (2 weeks)		
Spring 1	Physics **CSP1** (16 lessons) Practical	Over-arching concepts in Physics (14) P1 Motion

	1.15: Force, Mass, Acceleration (2 lessons)	P2 Forces and motion P2 Forces and motion
Spring 2	Physics **CSP3** (24 lessons) Practical Voltage, Current, Resistance of non-linear components (2)	P10 Electricity and circuits (17) P10 Static electricity (5)
Easter Break (2week)		
Summer 1	Revision and assessment	
	End of Year Exam	
Summer 2	Biology – **CSB3** (20 lessons)	B7 Animal coordination, control and homeostasis (7) B8 Exchange and transport in animals (5)
	9.5 – Organisms and their Environment. Calculating populations using Quadrats and Belt Transect (2)	B9 Ecosystems and material cycles (6)

<u>What learners will be required to do in class and at home?</u>

There will be a higher focus on skills for Year 10 Science. Learners will be working on both theoretical and experimental aspects of Science. This will enable our learners to gain practical skills and understand the thinking behind scientific phenomenon.

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 every half term.

The current Year 10 will also be entered for an externally marked End of Yr. 10 exam.

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:

CGP **workbooks** for Biology, Chemistry and Physics can be bought from shops and websites such as WH Smith, Amazon and Online GSCE bitesize.

Who you should see if you have any questions:

Ms Rafiq (Director of Learning for Science