



Eden Girls

Year 10 Curriculum Booklet



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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. It will comprise a suite of subjects with greater attention to Literacy and Numeracy.

I would also like to draw your attention to the Year 10 Subjects for ICT and Religious Studies which will be reported using the old GCSE Grading System. All other GCSE subjects will be reported using the new GCSE Grading System alongside the new Tauheedul Educational Trust assessment framework. Please do refer to the new assessment framework booklets sent to you. 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 2018. 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 June 2018.

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 CURRICULUM

The Staff:

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

Subject: GCSE ICT Year 10

Exam Board: EDEXCEL

Learners will be studying GCSE ICT (EDEXCEL). The course will be run over two years and learners will sit the exam component in June 2017, when they are in Year 10.

Students of our Edexcel GCSE in ICT will learn about current and emerging digital technology and its impact on our lives, working with a range of tools and techniques and exploring interactive digital products such as websites, computer games and databases.

The course comprises of two units. In Unit 1 learners explore how digital technology impacts on the lives of individuals, organisations and society. This unit is assessed through a 1 hour 30 minute examination paper that will be sat in June 2017. Unit 1 is worth 40% of the whole GCSE.

Unit 2 is a practical unit, learners broaden and enhance their ICT skills and capability. They work with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts. Unit 2 is internally assessed and moderated externally by the exam board. It is worth 60% of the overall GCSE.

The Curriculum:

| | AUTUMN TERM 1 | AUTUMN TERM 2 | SPRING TERM 1 | SPRING TERM 2 | SUMMER TERM 1 | SUMMER TERM 2 |
|-------------|---|--|--|------------------|---|------------------|
| ICT YEAR 10 | CAB completion Chapter 4 Safe Working. | Chapter 4 completion Chapter 5 Shopping Experience | Chapter 5 & 6 Shopping Experience & Health & Well Being. | Revision | Revision Exam is May 17 th 2017 | - |

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?

Learners will complete their GCSE course in June 2017 at the end of Year 10.

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

Ms Malik: Teacher of English and Assistant Principal

Miss Attas: Teacher of English & SEND Coordinator

Ms Descombes: Teacher of English

Ms Begum: 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 | Post 1914 Drama <i>An Inspector Calls</i> | Skills for Writing Creative and writing for purpose | English Language Reading skills | Exam Skills unit: Focussing on completing both English Language papers | Shakespeare & drama |

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.bbc.co.uk/bitesize/ks3/>
<http://www.oed.com/>

<http://www.wilfredowen.org.uk/home/>
<http://nfs.sparknotes.com/>



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

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 |
| Themes | Greetings Classroom Friendship Family Marriage Social issues | Healthy and unhealthy lifestyle | Free time Activities Leisure | Shopping Money Fashion Internet | Going out Tourism | Home Festivals and celebrations In town Environment |

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)

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

Moulana Yahya Nadat: Teacher of Arabic

Ms 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 | Personal Information | My outdoors (consisting of seasons, weather, market places.) | Future Plans, Education and Work | Media and culture | Customer Service and Transactions | Healthy Living |

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 exercise book. In class she needs to immerse herself into the lesson with active participation, through speaking, listening, reading and writing. In addition, your daughter will be given homework to complete once a week to develop key skills and knowledge. Each homework is expected to take about 30 minutes to complete and must be submitted on time on the date it is due. 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-terminally in each subject through a written and oral assessment based on the topic being studied that half-term.

In June, she will have an End of Year exam which will assess her understanding of all topics within the Arabic curriculum.

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; by either writing a note in your daughter's planner or leaving a message at reception.



HUMANITIES

History, Geography, RS and PSHCE

The Staff:

Ms A. Mayet: Director of Learning for Humanities (Subject specialisms: RS & Citizenship)

Ms J. Munteanu: Teacher of Geography

Ms Z. Aswat: Teacher of History (Maternity Leave)

Ms A. Ahmad: Teacher of History (Maternity Leave cover)

Moulana Yahya: Teacher of Citizenship & Arabic

Subjects: GCSE History, GCSE Geography, GCSE RE, GCSE Citizenship, Year 10

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 will complete their two year pathway with AQA – Religious Studies - Specification B. We specialise in the religions of Christianity and Islam to facilitate a comparative approach. In History and Geography AQA specifications are followed on a two 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>British Depth Studies:</u> Elizabethan England – Her Court & Parliament | <u>British Depth Studies:</u> Elizabethan England – Life in Elizabethan times & Troubles at Home and Abroad | <u>Period Studies:</u> America 1920-1973: Opportunity & Inequality – Americans & the 'Boom' | <u>Period Studies:</u> America 1920-1973: Opportunity & Inequality – Experiences of the Depression & the New Deal | <u>Period Studies:</u> America 1920-1973: Opportunity & Inequality – Post-war America / Revision preparation for mock paper | <u>Wider World Depth Studies:</u> Conflict & Tension 1990-2009 – The Gulf |
| GCSE GEOGRAPHY | <u>Physical Environment:</u> <u>Sect A</u> The Challenge of Natural Hazards | <u>Human Environment:</u> <u>Sect A</u> Urban Issues & Challenges | <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 - Rivers | <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 Philosophy:</u> Existence of God | <u>Religious Philosophy:</u> Evil & Suffering | <u>Religious Philosophy:</u> Immortality | <u>Religious Philosophy:</u> Miracles | Revision preparation for final exams | GCSE RS course complete <u>Active Citizenship Project</u> |
| GCSE CITIZENSHIP | <u>Life in Modern Britain:</u> Principles, Values & Identity | <u>Rights & Responsibilities:</u> Laws & The Legal System | <u>Politics & Participation</u> Political Power in the UK – Local & Devolved | <u>Life in Modern Britain:</u> The Media & The Free Press | Revision preparation for mock paper | <u>Active Citizenship Project</u> |

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 a 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>

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>

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



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 Director of Learning for Humanities & Sport – Ms Mayet.



MATHEMATICS

Mrs H. Namaji: Director of Learning: Mathematics
Mrs Y. Deli: Deputy Director of Learning: Mathematics
Mr S. Khaliq: Deputy Principal & Teacher of Mathematics
Mrs S. Hossain: Teacher of Mathematics
Mr Z. Ahmed: Teacher of Mathematics & Science
Mr I. Rahman: Teacher of Mathematics & Science
Mr M. Uddin: 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 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 | 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 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.mymaths.co.uk

www.nrich.com

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. Namaji – Director of Learning for Mathematics.



PHYSICAL EDUCATION

The Staff:

Ms H. Dadabhoy: Teacher of PE

Ms I. Kolitsopoulou: Teacher of PE

Subject: GCSE Physical Education, Year 10:

Exam Board: EDEXCEL

In Year 10, all learners will have one Physical Education lesson a week, plus a double lesson if they 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 |
|----------------|---|---|--|---|---|--|
| GCSE PE | <u>Practical:</u> Netball <u>Theory:</u> Health & Performance | <u>Practical:</u> Volleyball <u>Theory:</u> Fitness & Body Systems | <u>Practical:</u> Tennis / Badminton <u>Theory:</u> Movement Analysis | <u>Practical:</u> Swimming / Rock Climbing / Rowing | <u>Practical:</u> Football <u>Theory:</u> Fitness & Body Systems Revision preparation for mock exams | <u>Practical:</u> Athletics <u>Theory:</u> Sports Psychology |

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 exercise book. In class your daughter is expected to come fully equipped for lessons with her PE kit. 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-terminly in each subject 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

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>

Examining Board: <http://www.edexcel.com>

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 Dadabhoy or Ms Kolitsopoulou; 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 Director of Learning for Humanities & PE – Ms Mayet.



SCIENCE

Biology, Chemistry, Physics

The Staff:

Mrs R Hasan: 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 and Maths

Subject: Science, Year 10

Exam Board: Edexcel GCSE (9-1) Sciences

The Curriculum:

| Term | Unit/code | Aspect of Science |
|-----------------------------|--|---|
| Autumn 1 | Chemistry – CSC2 (23 Lessons) | C9 Acids (9) |
| | Practical | C10 Obtaining and using metals (4) |
| | 4.5: Changing pH on adding CaOH or CaO to HCL (1 lessons) | C11 Electrolytic process (6) |
| | 6.10: Change in mass @Anode/Cathode – CuSO4 Soln. on copper electrodes | |
| October (2016) Half term | | |
| Autumn 2 | Physics CSP2 (16 lessons) | P3 Conservation of energy (1) |
| | Practical | P4 Waves(3) |
| | 2.15 – Equipment to measure Speed, frequency and Wavelength | P5 Light and the electromagnetic spectrum (4) |
| | 14.6 – Stretching springs and Rubber bands | P6 Particle model 1 (3) |
| | | P7 Radioactivity (10) |
| | | P8 Energy forces doing work (3) |
| | | P9 Forces and their effects (2) |
| Christmas Break (2 weeks) | | |
| Spring 1 | Biology – CSB3 (20 lessons) | B4 Natural selection and genetic modification (5) |
| | Practical | B5 Health, disease and the development of medicines (7) |
| | 3.6: Investigate how to extract DNA from fruits | B6 Plant structures and their function(6) |
| | | Revision and assessment |
| February half term (1 week) | | |
| Spring 2 | Chemistry – CSC3 (23 Lessons) | C12 Reversible reactions and equilibria (5) |
| | Practical | C13 Group 1, 7 and 0 (8) |
| | 4.17 - Preparing pure, dry, hydrated Crystals of CuSO4 (2) | C14 Rates of reaction (8) |
| | | Revision and assessment (2) |



| Easter Break (2week) | | |
|----------------------|---|---|
| Summer 1 | End of Yr. 10 Exam (Externally Marked) – Results in Sept. 2017 | |
| | Physics CSP3 (24 lessons) | P10 Electricity and circuits (17) P10 Static electricity (5) |
| | Practical | |
| | Voltage, Current, Resistance of non-linear components (2) | |
| | Revision and assessment | |
| 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) |
| | | |

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

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 GCSE bitesize.

Who you should see if you have any questions:

Mrs Hasan (Director of Learning for Science)



