

St Andrew's Senior School Turi, Kenya



Year 11 Curriculum Booklet 2016-2017

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Welcome to Year 11

This booklet has been written by the Heads of Department at St. Andrew's Senior School, Turi with the primary aim of informing the Year 11 students and parents about what the students will be learning during the first year of the IGCSE courses. We hope that you find it both a useful and informative guide which helps you navigate through the year. Whilst every effort has been made to ensure that all information is accurate, there may be, on occasions, circumstances that dictate minor deviations from the curriculum plans published here. We trust such deviations will be rare and if, for any reason, a major deviation was required parents would be informed in writing. The final editing and checking was the responsibility of Mr Draper, Deputy Head Academic. Any feedback, both positive and suggestions for future improvement would be most welcome and should be addressed to Mr. Draper.

The Year 11 Curriculum

There are 7 one hour periods per day. One of these periods is for physical activity – either recreational games or squad training. All students take IGCSEs in English Language, English Literature, Maths, Biology, Physics, Chemistry and four further subjects of their own choosing. There is one non-examined PSHE lesson per week. Individual subjects have the following numbers of period per week.

English	5	Option 1	3
Maths	4	Option 1	3
Biology	3	Option 1	3
Chemistry	3	Option 1	3
Physics	3	PSHE	1
		Squad training/games	5

Punctuality

Students need to be punctual to lesson. There is a five minute warning bell at the end of each break and a five minute break between lessons to allow time to move between classes. Lateness will be sanctioned by the teacher and persistent lateness will be sanctioned by a school detention.

Prep

There are two prep sessions per day – one before supper and one after supper. Students complete prep in supervised classrooms. Students gain Independent Learning Status (ILS) through achieving consistently good prep effort grades on their report and these students earn the right to complete prep in their study rooms. ILS will be reviewed on a half-termly basis. Lesson attendance and punctuality will be monitored and the expectations are the same as for a standard taught lesson. Students may take their laptops to prep only if they have the ICT Prep column of their planner signed by their relevant subject teacher, who signs to say that a computer is required for this Prep. Students without their own laptops may carry out any ICT Prep using the Boarding House computers. A failure to complete Prep or late submission of prep will be sanctioned by the class teacher and will lead to a lower prep effort grade at the next report.

Catching up after absence

If a student is away from lessons, he/she is expected to catch up with any class notes and prep activities. If it is a planned absence (authorised in advance by the Headmaster) he/she should collect a "catch up sheet" a week before the absence from a Houseparent, hand it to his/her teacher at the beginning of the next lesson and ask for it to be completed.

If it is an unexpected absence or due to a sports fixture, then the student should see each teacher on return to find out what classwork and prep has been missed and to collect any handouts from the lesson. Students who miss part of a lesson due to a music or LAMDA lesson must catch up in the same way as any other missed lesson. Students should have caught up with any missed work within a week of their absence.

For extended absence, parents should contact their son/daughter's tutor who will provide help in liaising with teachers and in finding out how best to catch up.

Equipment for lessons

The following equipment is expected in all lessons. Not having the correct equipment disturbs the lesson and hinders learning.

- Planner
- Exercise book
- Text book
- Black or blue pen
- HB Pencil
- Pencil sharpener, eraser and ruler
- Pair of compasses, protractor
- Calculator

Using the student planner

Students should use their planner to record all prep – including the date when it is due. Tutors will check the planner on a weekly basis. Students who are taking an instrumental music lesson will also record their practice in the music pages of the planner.

Reporting to parents

The school sends a grade report on each student at the end of each half-term. These are uploaded onto the parent portal on the final day of the half-term. The trial exam grades will be reported at the end of the Christmas Term whilst the full Trial Exam grade reports, with comments will be issued at the first VISO of the Easter Term where there will also be the opportunity to formally discuss progress at Year 11 parent-teacher consultations. There is, of course, the opportunity to informally consult with any teacher at all VISOs. You are also welcome to contact your child's teacher or tutor directly although the School asks that you copy your child's Houseparent into all correspondence.

Examinations

Year 11 Trial Examinations take place in weeks 11 and 12 of the Christmas Term. The trial exam grades will be reported at the end of the Christmas Term, whilst the full Trial Exam Reports, with individual teacher comments will be issued at the first VISO of the Easter Term.

IGCSE exams will start from the beginning of May and run to the middle of June. The final timetable has yet to be published and please be aware that some CIE exams may be timetabled in the May half-term (in 2016 it was IGCSE Sociology which was scheduled in half term) and the school will make the necessary arrangements for supervision if required. A number of subjects, such as Art, DT, Drama, Music and PE, have internally assessed work which will be completed and submitted for exam board moderation before the beginning of May.

Holiday Study

Whilst we trust students will take sufficient time off during a holiday to rest and recharge for the term ahead, it is important to realise that the Year 11 should expect to do significant amounts of private study and revision in the school holidays. In the Christmas holidays we would expect student to be studying for between 2 – 3 weeks of the 4 week holiday and at Easter from 2- 2 ½ weeks. The school also runs a five day intensive revision course in the final week of the Easter holidays which many Year 11 students in previous years have found helpful to attend. An extra charge is made for this optional course.

Study Leave

Students are expected to attend lessons as usual throughout the exam period in the Trinity term and teachers will lead revision programmes in each subject. Students are permitted private study on the afternoon before a morning exam and the morning of an afternoon exam to help them with their final preparations. Student may leave school after their final IGCSE is finished.

Who do I contact if I have an academic concern?

Whilst we expect that all students make good progress at the school, we do understand that from time to time parents may have concerns about their son/daughter's academic progress. Houseparents should be copied into all correspondence with the school.

For a concern in a particular subject:

- In the first instance, contact the teacher directly.
- If the concern is not resolved following discussion with the subject teacher, please contact, in the following order, the Head of Department, the Head of Faculty, or your child's Houseparent.

For concerns in a number of subjects:

- In the first instance, please inform your son/daughter's form tutor.
- If the concern is not resolved following discussion with the tutor, please contact, in the following order, Ms. Hobkinson (Head of Main School), or your child's Houseparent.

Progression to St Andrew's College

We hope that all students and their parents will make St Andrew's College their first choice for post IGCSE study. The College has a growing reputation for both academic excellence and top international university destinations, with last year's cohort setting a new school record (which we trust we be only short-lived) of 69% A*-B at A level. Entrance to the College will be conditional on interview with Mr Boule and Mr Andwati (Head of College) and also successfully passing a minimum of 5 IGCSEs at grade B or better. Academic Scholarships to the College are available and are awarded after further interviews and testing. Please contact Mr. Andwati (jonathan.andwati@turimail.co.ke) directly for all further information about St Andrew's College.

Mr. Draper (Deputy Head Academic) deputysenioracademic@turimail.co.ke

Miss. Hobkinson (Head of Main School) susan.hobkinson@turimail.co.ke

English	Acting Head of Subject: Mrs. E. Nyariki
Head of Subject e-mail address	liz.nyariki@turimail.co.ke
Curriculum Map 2016/2017	Year11
Textbook	Edexcel International GCSE English A & B Student Book with ActiveBook CD: ISBN 978-0435991265 Edexcel International GCSE English Literature Student Book with ActiveBook CD 978-0435046750
Specification code	Edexcel IGCSE English Language (4EA0) Edexcel IGCSE English Literature (4ET0)

Topic 1	Revision of English Language
Approximate length of topic	12 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students should be able to annotate and analyse a range of fiction and non-fiction texts from the IGCSE Language Anthology (sections A and B). • Students should also be able to write for specific purpose, forms and audience. • Students should be able to analyse a variety of unseen English Language texts. 	
How learning will be assessed	
<p>The students will be given a weekly timed essay in the format of the IGCSE Edexcel English Language assessment to prepare them for their January examination.</p> <p>The students will sit both Paper 1 and Paper 2 English Language in the trial examinations at the end of the term.</p> <p>Students will be familiar with the generic mark scheme and will self/peer assess followed by detailed summative and formative feedback from teacher.</p>	

Topic 2	English Literature Poetry Anthology
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students should be able to annotate and analyse set poems from the IGCSE Literature Anthology (section C). • Students will cover the remaining poetry from the Anthology in preparation for their final examination in June. These poems include: 'If', 'Prayer Before Birth', 'The Tyger', 'Once Upon a Time', and 'Telephone Conversation'. 	
How learning will be assessed	
<p>Students will be assessed on the ability to compare the use of language, form and structure to create meaning in two Literature poems (AO1, AO3, AO4) (English Literature Paper 2).</p>	

Topic 3	'Of Mice and Men' Revision
Approximate length of topic	6 weeks
Main learning objectives	
<ul style="list-style-type: none"> Students will develop a close knowledge and understanding of texts and their contexts. They should also be able to annotate and analyse set novel for IGCSE Literature ('Of Mice and Men'). Students will become averse with the IGCSE Literature examination criteria and expectations, practicing their technique to ensure success. 	
How learning will be assessed	
<p>Students will also be assessed on Paper 1 Edexcel Literature examination essays. Through this practice they will demonstrate the ability to understand how the use of language, form and structure creates meaning in 'Of Mice and Men'.</p> <p>They will also need to demonstrate an appreciation of writer's use of characterisation. Furthermore, they will need to demonstrate an informed personal response to the text (AO1, AO2, AO3, AO4)</p> <p>Students will be familiar with the generic mark scheme and will self/peer assess followed by detailed summative and formative feedback from teacher.</p>	

Topic 4	'A View from the Bridge' Revision
Approximate length of topic	6 weeks
Main learning objectives	
<ul style="list-style-type: none"> Students will develop a close knowledge and understanding of texts and their contexts. They should also be able to annotate and analyse our set drama text for IGCSE Literature ('A View from the Bridge'). Students will become averse with the IGCSE Literature examination criteria and expectations, practicing their technique to ensure success. 	
How learning will be assessed	
<p>Students will also be assessed on Paper 1 Edexcel Literature examination essays. Through this practice they will demonstrate the ability to understand how the use of language, form and structure creates meaning in 'A View from the Bridge'.</p> <p>They will also need to demonstrate an appreciation of the writer's use of characterisation. Furthermore, they will need to demonstrate an informed personal response to the text.</p> <p>Students will be familiar with the generic mark scheme and will self/peer assess followed by detailed summative and formative feedback from teacher.</p>	

Topic 5	Unseen Poetry and Prose
Approximate length of topic	3 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students will develop their skills in approaching unseen poetry and prose extracts. • Students will explore the writers' use of language, structure and form to create literary effects • Students will demonstrate a focused, sensitive, lively and informed personal engagement with literary texts. 	
How learning will be assessed	
<p>Students will also be assessed on Paper 2 Edexcel Literature examination essays. Through this practice they will demonstrate the ability to understand how the use of language, form and structure creates meaning in unseen poetry and prose.</p> <p>Students will be familiar with the generic mark scheme and will self/peer assess followed by detailed summative and formative feedback from teacher.</p>	

Topic 6	English Literature Poetry Anthology Revision
Approximate length of topic	3 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students will revise their skills in approaching the Poetry Anthology • Students will explore the writers' use of language, structure and form to create literary effects • Students will demonstrate a focused, sensitive, lively and informed personal engagement with literary texts. 	
How learning will be assessed	
<p>Students will also be assessed on Paper 2 Edexcel Literature examination essays. Through this practice they will demonstrate the ability to understand how the use of language, form and structure creates meaning in unseen poetry and prose.</p> <p>Students will be familiar with the generic mark scheme and will self/peer assess followed by detailed summative and formative feedback from teacher.</p>	

Assessment Summary	
Assessment period 1 Weeks 1-5	English Language Paper 1: <ul style="list-style-type: none"> • Unseen prose • Anthology section a) texts • Writing to inform, explain describe
Assessment period 2 Weeks 6 -12	English Literature Paper 2: <ul style="list-style-type: none"> • Anthology section b) texts • Writing for a variety of different forms, purposes and audiences
Assessment period 3 Weeks 13 - 17	Summative assessment: Paper 1 Edexcel IGCSE English Language (16 th January) Paper 2 Edexcel IGCSE English Language (24 th January)
Assessment period 4 Weeks 18 - 23	English Literature Paper 1: <ul style="list-style-type: none"> • Of Mice and Men • View from the Bridge
Assessment period 5 Weeks 24 - 28	English Literature Paper 2: <ul style="list-style-type: none"> • Poetry or Prose unseen • Poetry Anthology
Assessment period 6 Weeks 29 -34	Summative assessment: Paper 1 Edexcel IGCSE English Literature (22 nd May) Paper 2 Edexcel IGCSE English Literature (26 th May)

Mathematics	Head of Faculty: Mr. D. Mathias
Head of Subject e-mail address	dylan.mathias@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	
Specification code	Edexcel IGCSE Mathematics A (4MA0)

Topic 1	Non Right-Angled Trigonometry
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Sine Rule • Cosine Rule • Questions involving bearings • Area of a triangle rule 	
How learning will be assessed	
Written assessment	

Topic 2	Limits of Accuracy
Approximate length of topic	1 week
Main learning objectives	
<ul style="list-style-type: none"> • Review of rounding to significant figures • Upper and Lower Bounds of individual numbers • Upper and lower bounds of areas 	
How learning will be assessed	
Written assessment	

Topic 3	Quadratic Equations
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Solving quadratic equations by use of the Quadratic Formula • Constructing and solving quadratic equations • Writing and Illustrating quadratic inequalities 	
How learning will be assessed	
Written assessment	

Topic 4	Inequalities
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Review Straight line graphs • Shading regions from 2-4 given inequalities 	
How learning will be assessed	
Written assessment	

Topic 5	Vectors
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • All variant types of notation: column vectors, point to point, bold letter • Column vectors: represent graphically • Vector diagrams: going from point to point using given vectors 	
How learning will be assessed	
Written assessment	

Topic 6	Algebraic fractions
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • All variant types of notation: column vectors, point to point, bold letter • Column vectors: represent graphically • Vector diagrams: going from point to point using given vectors 	
How learning will be assessed	
Written assessment	

Topic 7	Functions
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Notation • Inputting values into a function • Domain and Range • Composite functions • Finding inverses of functions 	
How learning will be assessed	
Written assessment	

Topic 8	Functions
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Notation • Inputting values into a function • Domain and Range • Composite functions • Finding inverses of functions 	
How learning will be assessed	
Written assessment	

Topic 9	Ratio and Proportion
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Use ratio notation, including reduction to its simplest form and its various links to fraction notation. • Divide a quantity in a given ratio or ratios • Use the process of proportionality to evaluate unknown quantities • Calculate an unknown quantity from quantities that vary in direct proportion • Solve word problems about ratio and proportion 	
How learning will be assessed	
Written assessment	

Topic 10	Similar Shapes
Approximate length of topic	1 week
Main learning objectives	
<ul style="list-style-type: none"> • Area scale factors • Volume scale factors 	
How learning will be assessed	
Written assessment	

Topic 11	Curved Graphs
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Review use of table function on calculator • Drawing quadratic and cubic graphs • Plotting reciprocal graphs • Estimating solutions to simultaneous equations by drawing graphs 	
How learning will be assessed	

Topic 12	Proportionality
Approximate length of topic	1 week
Main learning objectives	
<ul style="list-style-type: none"> • Direct Proportionality • Inverse proportionality • Graphs 	
How learning will be assessed	

Topic 13	Calculus
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Review Indices • Basic Differentiation to find a gradient at a particular point • Kinematics – distance, speed, acceleration 	
How learning will be assessed	

Topic 14	Statistics
Approximate length of topic	1 week
Main learning objectives	
<ul style="list-style-type: none"> • Review calculating mean from groups data • Histograms 	
How learning will be assessed	

Written assessment	
Assessment Summary	
Assessment period 1 Weeks 1-5	Exam style questions on all topics covered to date
Assessment period 2 Weeks 6 -12	Trial Exam
Assessment period 3 Weeks 13 - 17	Exam style questions on all topics covered to date
Assessment period 4 Weeks 18 - 23	Exam style questions on all topics covered to date

Biology	Head of Subject: Mr G. Lynton
Head of Subject e-mail address	guy.lynton@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Cambridge IGCSE Biology (Jones & Jones)
Specification	CIE IGCSE Biology (0610)

Topic 1	Reproduction in Plants
Approximate length of topic	6 weeks (18 lessons)
Main learning objectives	
Asexual reproduction, mitosis, sexual reproduction, meiosis, sexual reproduction in plants.	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of half term.	

Topic 2	Reproduction in Humans
Approximate length of topic	4 weeks (12 lessons)
Main learning objectives	
Sexual reproduction in humans, sex hormones, methods of birth control, sexually transmitted infections (STI's).	
How learning will be assessed	
IGCSE trial exams for 2 weeks followed by a week of exam feedback. Paper 1 – Multiple Choice (45mins) Paper 2 – Structured Questions (75mins) Paper 3 – Practical Paper (75mins)	

Topic 3	Unit 8: Inheritance, Variation & Selection
Approximate length of topic	5 weeks (15 lessons)
Main learning objectives	
Inheritance, chromosomes, genes & proteins, monohybrid inheritance, variation, selection.	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of half term.	

Topic 4	Environmental Biology, Biotechnology & Genetic Engineering
Approximate length of topic	5 weeks (15 lessons)
Main learning objectives	
Food supply, habitat destruction, pollution, conservation, energy flow, food chains & food webs, nutrient cycles, population size, biotechnology, genetic engineering.	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of half term.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Christmas half term assessment on Unit 6 – Reproduction in Plants
Assessment period 2 Weeks 6 -12	Trial IGCSE exams at end of Christmas Term.
Assessment period 3 Weeks 13 - 17	Easter half term assessment on Unit 8 – Inheritance, variation and selection.
Assessment period 4 Weeks 18 - 23	Easter end of term assessment on Unit 9 – Environmental Biology & Biotechnology
Assessment period 5 Weeks 24 - 28	Year 11 IGCSE exams.
Assessment period 1 Weeks 1-5	Year 11 IGCSE exams.

Science: Chemistry	Head of Subject: Mr D. Lipscomb
Head of Subject e-mail address	david.lipscomb@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Cambridge IGCSE Chemistry – Harwood & Lodge
Specification	CIE IGCSE Chemistry (0620)

Topic 1	Amount of substance
Approximate length of topic	6 weeks (18 lessons)
Main learning objectives	
<p>This unit begins with an introduction to writing chemical formulae and balancing equations. These ideas can be linked with the importance of calculating reacting quantities especially for industrial scale preparations.</p> <p>The unit gives learners opportunities to investigate percentage yield and percentage purity in their practical work, which can be linked to its importance in chemical economics.</p>	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of each half term.	

Topic 2	Redox, Electrochemistry and Group 7
Approximate length of topic	5 weeks (15 lessons)
Main learning objectives	
<p>This unit begins with the introduction of redox reactions and their importance to the electrochemical industry and the world economy.</p> <p>These industrial processes allow important chemicals to be isolated, such as aluminium, and others to be prepared, such as hydrogen, chlorine and sodium hydroxide.</p> <p>This unit gives learners opportunities to investigate new types of electrochemical cells and the importance to world energy production.</p>	
How learning will be assessed	
Trial exams consisting of paper 1 (multiple choice 45min – 40 questions), paper 3 (75min – 80 questions) and paper 5 (75mins – 3 practical questions)	

Topic 3	Unit 8: Organic 1
Approximate length of topic	5 weeks (15 lessons)
Main learning objectives	
<p>This unit starts by introducing the different types of organic molecules (alkanes, alkenes, alcohols and carboxylic acids) and how their functional groups are related to their properties. The process of fractional distillation of crude oil is discussed with its importance as the main source of organic molecules.</p> <p>There is opportunity for learners to research and explore the vast variety of everyday products that originate from crude oil.</p> <p>In addition, learners have the chance to debate non-renewable versus renewable fuel.</p>	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of each half term.	

Topic 4	Unit 10: Organic 2
Approximate length of topic	6 weeks (18 lessons)
Main learning objectives	
<p>This unit follows on from Unit 8 and looks at the chemistry of the alcohols and carboxylic acids in more detail.</p> <p>A variety of synthetic and natural macromolecules are introduced together with their uses, as well as the environmental problems that they cause.</p> <p>Opportunity for learners to research and discuss the pros and cons of using the different types of polymers.</p>	
How learning will be assessed	
Summative assessment consisting of past IGCSE paper questions at the end of each half term.	

Topic 5	Revision & CIE Exams
Approximate length of topic	5 weeks (15 lessons)
Main learning objectives	
Students will revise all Units	
How learning will be assessed	
CIE examinations	

Assessment Summary	
Assessment period 1 Weeks 1-5	Christmas half term assessment on Unit 9: amount of substance
Assessment period 2 Weeks 6 -12	Christmas end of term assessment – TRIAL EXAMS
Assessment period 3 Weeks 13 - 17	Easter half term assessment on Unit 8 Organic 1
Assessment period 4 Weeks 18 - 23	Easter end of term assessment on Unit 10 Organic 2
Assessment period 5 Weeks 24 - 28	Revision and CIE Exams
Assessment period 1 Weeks 1-5	Revision and CIE exams

Science: Physics	Head of Subject: Mr J. Scammells
Head of Subject e-mail address	jamie.scammells@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Cambridge IGCSE Physics – David Sang
Specification	CIE IGCSE Physics (0625)

Topic 1	Electromagnetism
Approximate length of topic	6 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Describe the forces between magnets, and between magnets and magnetic materials. • Give an account of induced magnetism. • Distinguish between magnetic and non-magnetic materials. • Describe methods of magnetisation, to include stroking with a magnet, use of d.c. in a coil and hammering in a magnetic field. • Draw the pattern of magnetic field lines around a bar magnet. • Describe an experiment to identify the pattern of magnetic field lines, including the direction. • Distinguish between the magnetic properties of soft iron and steel. • Distinguish between the design and use of permanent magnets and electromagnets. • Explain that magnetic forces are due to interactions between magnetic fields. • Describe methods of demagnetisation, to include hammering, heating and use of a.c. in a coil. • Describe electromagnetic induction including descriptions of experiments with the phenomena. • State the factors affecting the magnitude of an induced EMF. • State and use the relative directions of force, field and induced current. • Distinguish between direct current (d.c.) and alternating current. • Describe AC Generators. • Describe transformers including calculations. • Describe the motor effect. 	
How learning will be assessed	
Summative assessment using past paper questions. Opportunity to assess practical skills using paper 5 questions. Homework tasks set based on learning from lessons.	

Topic 2	Atomic Physics
Approximate length of topic	4 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Demonstrate understanding of back ground radiation. • Describe the detection of α-particles, β-particles and γ-rays. (β^+ are not included: β-particles will be taken to refer to β^-) • Discuss the random nature of radioactive emission. • Identify α, β and γ-emissions by recalling <ul style="list-style-type: none"> – their nature – their relative ionising effects – their relative penetrating abilities • Describe their deflection in electric fields and in magnetic fields. • Interpret their relative ionising effects. • Give and explain examples of practical applications of α, β and γ-emissions. • State the meaning of radioactive decay. • Use equations involving nuclide notation to represent changes in the composition of the nucleus when particles are emitted. • Use the term half-life in simple calculations, which might involve information in tables or decay curves and may take into account background radiation. • Recall the effects of ionising radiations on living things. • Describe how radioactive materials are handled, used and stored in a safe way. • Describe the atomic model and its development. • State the meaning of nuclear fission and nuclear fusion. • Balance equations involving nuclide notation. 	
How learning will be assessed	
Summative assessment using past paper questions. Opportunity to assess practical skills using paper 5 questions. Homework tasks set based on learning from lessons.	

Topic 3	Electronics
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Revise much of the work on electricity from the previous two years. • Describe the action of a variable potential divider (potentiometer). • Describe the action of thermistors and light-dependent resistors and show understanding of their use as input transducers. • Describe the action of a relay and show understanding of its use in switching circuits. • Describe the action of a diode and show understanding of its use as a rectifier. • Recognise and show understanding of circuits operating as light-sensitive switches and temperature-operated alarms (to include the use of a relay). • Explain and use the terms analogue and digital in terms of continuous variation and high/low states. • Describe the action of NOT, AND, OR, NAND and NOR gates. • Recall and use the symbols for logic gates. • Design and understand simple digital circuits combining several logic gates. • Use truth tables to describe the action of individual gates and simple combinations of gates. 	
How learning will be assessed	
Summative assessment using past paper questions. Opportunity to assess practical skills using paper 5 questions. Homework tasks set based on learning from lessons.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Electromagnetism
Assessment period 2 Weeks 6 -12	Mechanics 1 and 2, Electricity 1 and 2, Light, Waves, Energy, Thermal Physics, Electromagnetism and Atomic Physics
Assessment period 3 Weeks 13 - 17	Electronics.
Assessment period 4 Weeks 18 - 23	Mechanics 1 and 2, Electricity 1 and 2, Light, Waves, Energy, Thermal Physics, Electromagnetism, Atomic Physics and Electronics.
Assessment period 5 Weeks 24 - 28	CIE exams.

Art & Design	Head of Subject: Mrs S. Clarke
Head of Subject e-mail address	sally.clarke@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	N/A
Specification	Edexcel GCSE Art and Design (1AD0) N.B. Graded 9-1 not A* - G

Topic 1	Portfolio for Assessment
Approximate length of topic	13 weeks
Main learning objectives	
<p>The students will have learnt how to peer and self-assess throughout year 10 and will now use these skills to set targets, alongside teacher targets, to complete their work for examination. They will have the opportunity to develop skillful and unique final pieces for the two topics of 'Vessel' and 'Fusion of Cultures' covered in Year 10. Sketch books will be completed with thoughtfully executed pages and perceptive annotation. The students will refine and develop the work ready for submission in the first week of January.</p>	
How learning will be assessed	
<p>The students will be assessed on their ability to record diverse and perceptive ideas stemming from the themes. The students will show comparisons and evidence of knowledge of other artists' work which are appropriate to their own ideas. Their visual evidence will be assessed on their well composed photographs, skillfully observed drawings and development into larger scale supporting work. In order for the student to achieve an 'A' grade or more, the work must show evidence of being; independent, creative, sensitive, sustained, inventive, perceptive, insightful and original.</p> <p>The portfolio of work will be assessed according to the four Edexcel assessment objectives:</p> <ul style="list-style-type: none"> • AO1 Developing ideas through in-depth investigation, informed by contextual sources and the work of other artists. • AO2 Refining ideas skillfully through a variety of exciting processes and techniques. • AO3 Recording ideas through photography and drawings from observation. • AO4 Presenting an original, meaningful and creative response. 	

Topic 2	Controlled Assessment
Approximate length of topic	10 weeks
Main learning objectives	
The students will now showcase all they have learnt during this course; using their strongest skills and techniques, and developing their work in a personal and creative way.	
How learning will be assessed	
<p>The students will be assessed on their ability to record diverse, sensitive and perceptive ideas stemming from the theme as set by the examination board. The students will gain credit for highly personal, relevant responses. First-hand experience through museum visits, the students own travels and family archive will be relevant. Visual ideas will be expected to be influenced by other artists' work and will be assessed on composition, skillful observational drawings and creative development into larger scale supporting work. A range of materials and techniques should be demonstrated throughout the sketchbook, supporting work and final piece. This work is prepared for 6 weeks before the 10 hour controlled assessment begins. The assessment piece is created over a period of time and the students will always be encouraged to work from their strengths.</p> <p>The portfolio of work will be assessed according to the four Edexcel assessment objectives:</p> <ul style="list-style-type: none"> • AO1 Developing ideas through in-depth investigation, informed by contextual sources and the work of other artists. • AO2 Refining ideas skillfully through a variety of exciting processes and techniques. • AO3 Recording ideas through photography and drawings from observation. • AO4 Presenting an original, meaningful and creative response. 	

Assessment Summary	
Assessment period 1 Weeks 1-5	The students will be assessed on their ability to focus their portfolio with a superb final piece. The piece will be ambitious, original and showcase their creative skills.
Assessment period 2 Weeks 6 -12	Annotation Focus - the students will show evidence in their portfolio knowledge of other artists' work and how it has influenced their portfolios. This evidence will be expected in both written and visual form.
Assessment period 3 Weeks 13 - 17	Externally Set Assessment
Assessment period 4 Weeks 18 - 23	Externally Set Assessment
Assessment period 5 Weeks 24 - 28	CIE Exam period
Assessment period 6 Weeks 29 -34	CIE Exam period

Business Studies	Head of Subject: Mr C. Otieno
Head of Subject e-mail address:	chris.otieno@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	IGCSE Busienss Studies: Borrington & Stimpson Complete Business Studies for Cambridge IGCSE and O Level: Titley
Specification	CIE IGCSE Business Studies (0450)

Topic 1	Operations management
Approximate length of topic	4 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Production of goods and services 	
How learning will be assessed	
<ul style="list-style-type: none"> • Test based on assorted IGCSE Business studies Past Papers (1 & 2) 	

Topic 2	Operations management
Approximate length of topic	4 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Costs, scale of production and break-even analysis • Achieving quality production • Location decisions 	
How learning will be assessed	
<ul style="list-style-type: none"> • Test based on assorted IGCSE Business studies Past Papers (1 & 2) 	

Topic 3	External influences on business activity
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Government economic objectives and policies • Environmental and ethical issues 	
How learning will be assessed	
<ul style="list-style-type: none"> • Test based on assorted IGCSE Business studies Past Papers (1 & 2) 	

Topic 4	External influences on business activity
Approximate length of topic	3 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Business and the international economy 	
How learning will be assessed	
<ul style="list-style-type: none"> • Test based on assorted IGCSE Business studies Past Papers (1 & 2) 	

Assessment Summary	
Assessment period 1 Weeks 1-5	Topic Test
Assessment period 2 Weeks 6 -12	Trial Exams
Assessment period 3 Weeks 13 - 17	Topic Test
Assessment period 4 Weeks 18 - 23	Topic Test
Assessment period 5 Weeks 24 - 28	CIE Exam period
Assessment period 6 Weeks 29 -34	CIE Exam period

Design Technology	Head of Subject: Mr. A. Conlon
Head of subject e-mail address	anthony.conlon@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	N/A
Specification	Edexcel GCSE Design and Technology Resistant materials (2RM01)

Topic 1	Controlled Assessment GCSE
Approximate length of topic	22 weeks
Main learning objectives	
<p>Building on Year 10 Design folder work.</p> <ul style="list-style-type: none"> To complete the Initial ideas To produce the design review section of the assessment folder. To develop the students initial ideas through 2D and 3D communication techniques. To produce a realistic and feasible final design. To produce a production plan in sufficient detail for third party production. To be able to identify common hazards associated with equipment, materials and processes, in order to minimize risk. To enable the student to work independently and project manage their own design task. To cover syllabus content relating to the terminal examination through class based and prep tasks. To gain experience of examination content through practice exam type questions. 	
How learning will be assessed	
<p>Staged assessment intervals at critical points throughout the unit. Final design folder and artefact assessment; in preparation for external moderation. Prep tasks Practice examination questions.</p>	

Topic 2	GCSE Terminal examination revision
Approximate length of topic	4 Weeks
Main learning objectives	
<p>To continue using prep and focused theory lessons to embed examination content. Individual stand-alone lessons to illustrate production processes not yet covered or requiring revisiting as appropriate.</p>	
How learning will be assessed	
<p>Formative verbal feedback. Grading of prep and examination tasks.</p>	

Assessment Summary	
Assessment period 1 Weeks 1-5	Initial ideas and prep assessments
Assessment period 2 Weeks 6 -12	Trial GCSE Exam.
Assessment period 3 Weeks 13 - 17	Product realization and prep tasks.
Assessment period 4 Weeks 18 - 23	Final controlled task assessment
Assessment period 5 Weeks 24 - 28	Practice exam question assessment
Assessment period 6 Weeks 29 -34	IGCSE Exam Period

Drama	Head of Subject: Miss. F. Burt
Head of Subject e-mail address	frances.burt@turimail.co.uk
Curriculum Map 2016/2017	Year 11
Textbook	N/A
Specification code	Edexcel GCSE Drama (2DR01)

Topic 1	Unit 1 – Self-image (filmed practical workshops)
Approximate length of topic	8 weeks
Main learning objectives	
<p>To explore practically the issues surrounding self-image</p> <p>To demonstrate effective use of explorative strategies such as still image, choral movement, cross-cutting, text and marking the moment</p> <p>To demonstrate understanding and apply a range of drama medium in performance</p> <p>To produce six outstanding filmed hour-long practical workshops for the exam board</p> <p>To self and peer evaluate with effective use of drama vocabulary</p>	
How learning will be assessed	
<p>Initial assessment will be verbal teacher and peer assessment.</p> <p>The six hours of filmed workshops will be moderated by the school and sent to the exam board to contribute to the final GCSE grade in August.</p>	

Topic 2	Unit 1 – Self-image (written controlled assessment)
Approximate length of topic	4 weeks
Main learning objectives	
<p>To articulate research and opinion</p> <p>To document practical strategies</p> <p>To evaluate process and performance</p>	
How learning will be assessed	
<p>The 2000 words can be reviewed by the teacher, giving verbal feedback. Written and peer assessment is not permitted as it controlled assessment under exam conditions.</p> <p>The final written documentary response is moderated by the school and sent to the exam board to contribute to the final GCSE grade in August.</p>	

Topic 3	Unit 2 – Evaluation of Live Performance
Approximate length of topic	2 weeks
Main learning objectives	
<p>To view a piece of live performance and identify techniques and medium used</p> <p>To evaluate the effectiveness of the elements of the performance</p> <p>To create an evaluative 2000 word essay using the notes made on the viewed production</p>	
How learning will be assessed	
Performance notes will be marked by the teacher and then used to create the written evaluation. The completed evaluation will be moderated by the school and sent to the exam board to contribute to final grading. Controlled assessment under exam conditions.	

Topic 4	Unit 2 – Completion of controlled assessment
Approximate length of topic	2 weeks
Main learning objectives	
<p>To consolidate and complete all written work from the Blood Brothers documentary response from Year 10.</p> <p>To ensure all written controlled assessment is printed, labelled and signed for the exam board</p>	
How learning will be assessed	
Moderated by the school and graded by Edexcel	

Topic 5	Unit 3 – Practical exam
Approximate length of topic	8 weeks
Main learning objectives	
<p>To create a collaborative piece of performance in a group based on the stimulus or text on the exam paper</p> <p>To demonstrate outstanding application of the candidates chosen performance or design skill in performance</p>	
How learning will be assessed	
<p>Rehearsals are teacher and peer assessed in order to make improvements to the final performance.</p> <p>The final performance will be filmed in front of a live audience and sent to Edexcel on DVD.</p> <p>The examiner's marks for this are worth 40% of the final GCSE grade.</p> <p>The examiner will assess communication, voice and movement skills and form and content.</p>	

Assessment Summary	
Assessment period 1 Weeks 1-5	Practical assessment unit 2
Assessment period 2 Weeks 6 -12	Written controlled assessment unit 2
Assessment period 3 Weeks 13 - 17	Written controlled assessment unit 1 and 2
Assessment period 4 Weeks 18 - 23	Practical assessment unit 3
Assessment period 5 Weeks 24 - 28	Final practical exam
Assessment period 6 Weeks 29 -34	IGCSE Exam Period

Geography	Head of Subject: Mr J. Aston
Head of Subject e-mail address:	jonathan.aston@turimail
Curriculum Map 2016/2017	Year 11
Textbooks	The New Wider World ISBN:978-1-4085-0511-3
	Edexcel International GCSE Geography ISBN:978-0-435016-95-1
Specification	Edexcel IGCSE Geography (4GE0)

Topic 1	Rural environments
Approximate length of topic	8 weeks
Main learning objectives	
To understand the ways that farming is impacting the natural ecosystems of the world. To have an understanding of different types of farming systems. To understand the different degrees of remoteness in the countryside and the impact on people's lives.	
How learning will be assessed	
IGCSE style questions	

Topic 2	Hazardous environments
Approximate length of topic	8 weeks
Main learning objectives	
To understand the significance of earthquakes, volcanic eruptions and tropical storms on people's lives. To consider ways to try and minimize these impacts through prediction, preparation and protection.	
How learning will be assessed	
IGCSE questions	

Topic 3	Development and human welfare
Approximate length of topic	8 weeks
Main learning objectives	
To consider why there are inequalities in the world. To understand that “development” cannot be seen simply in terms of economic measures. To consider the impact of population change on development.	
How learning will be assessed	
IGCSE questions	

Assessment Summary	
Assessment period 1 Weeks 1-5	Topic Test
Assessment period 2 Weeks 6 -12	Trial Exams
Assessment period 3 Weeks 13 - 17	Topic Test
Assessment period 4 Weeks 18 - 23	Topic Test
Assessment period 5 Weeks 24 - 28	CIE Exam period
Assessment period 6 Weeks 29 -34	CIE Exam period

History	Head of Subject: Mrs H. Onyango
Head of Subject e-mail address	hilda.onyango@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Josh Brooman – Russia in War and Revolution Ben Walsh – Modern World History Terry Fiehn – Russia & the USSR Edexcel History Text Josh Brooman – The Cold War
Specification code	Edexcel IGCSE History 4HI0

Topic 1	The League of Nations: 1919 to 1939
Approximate length of topic	10 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students will be able to recall, select and communicate their knowledge of the League of Nations and United Nations from 1919 to 2000. • Students will be able to demonstrate their understanding of League of Nations organisation through explanation and analysis of, and judgments about its impact on international relations; the cultural, economic, political effects on nations. • Students will be able to explain concepts on global relations, and how they are interlinked to cause change. • Students will be able to use a range of source material to: <ul style="list-style-type: none"> ▪ Comprehend, interpret and cross-refer sources ▪ Evaluate historical claims about the impact of the League of Nations. 	
How learning will be assessed	
Exam style questions Essays Quizzes	

Topic 2	The United Nations – 1945 to 2000
Approximate length of topic	10 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Students will be able to recall, select and communicate their knowledge of the League of Nations and United Nations from 1919 to 2000. • Students will be able to demonstrate their understanding of united Nations organisation through explanation and analysis of, and judgments about its impact on international relations; the cultural, economic, political effects on nations. • Students will be able to explain concepts on global relations, and how they are interlinked to cause change. • Students will be able to demonstrate the ability to compare and contrast the developing roles of International organisations from 1919 to 2000. • Students will be able to use a range of source material to: <ul style="list-style-type: none"> ▪ Comprehend, interpret and cross-refer sources ▪ Evaluate historical claims about the impact of the United Nations. 	
How learning will be assessed	
Exam style questions Essays Quizzes	

Assessment Summary	
Assessment period 1 Weeks 1-5	Topic Test
Assessment period 2 Weeks 6 -12	Trial Exams
Assessment period 3 Weeks 13 - 17	Topic Test
Assessment period 4 Weeks 18 - 23	Topic Test
Assessment period 5 Weeks 24 - 28	CIE Exam period
Assessment period 6 Weeks 29 -34	CIE Exam period

ICT	Head of Subject: Mr M. Munene
Head of Subject e-mail address:	mmunene@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Cambridge IGCSE ICT 2 nd Edition ISBN: 9781471807213
Specification	CIE IGCSE Information and Communications Technology (0417)

Topic 1	Website authoring
Approximate length of topic	3 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Use software tools to create the content layer of a web page to meet the needs of the audience • Use software tools to appropriately place the content in a web page • Use software tools to create navigation within a web page and between web pages • Use software tools to create the presentation layer of a web page • Know how to publish a website • Test a website 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 2	The effects of using IT
Approximate length of topic	3 weeks
Main learning objectives	
<ul style="list-style-type: none"> • To describe how there has been a reduction of employment in offices, as workers' jobs have been replaced by computers in a number of fields • To describe how there has been an increase in employment in other fields • To describe how the use of computers has led to a number of employees changing their working patterns • To describe the positive effects microprocessors have on aspects of lifestyle • Evaluate the use of IT equipment and develop strategies to minimise the health risks 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 3	ICT applications
Approximate length of topic	5 weeks
Main learning objectives	
<p>To describe application of ICT in:</p> <ul style="list-style-type: none"> • communication • data handling • ICT in measurement • microprocessors in control • modelling • manufacturing industry • school management systems • booking systems • banking applications • computers in medicine • computers in libraries • expert systems • the retail industry • recognition systems • monitoring and tracking systems • satellite systems 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 4	The systems life cycle
Approximate length of topic	4 weeks
Main learning objectives	
<ul style="list-style-type: none"> • To describe methods of researching an existing system • To describe recording and analysing information about the current system • To describe how it is necessary to design documents, files, forms/inputs, reports/outputs and Validation • To describe testing designs and system testing • To describe different methods of system implementation • To describe technical documentation for an information system • To describe the need to evaluate a solution in terms of the efficiency of the solution, the ease of use of the solution, and the appropriateness of the solution 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 5	Graphs & charts
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • To produce a graph or chart from the given data • To select data to produce a graph/chart, including: using contiguous data, non-contiguous data, and specified data ranges where necessary • Select the graph or chart type to match the required purpose and meet the needs of the audience • To label the graph or chart, including: chart title, legend, sector labels, sector values, segment labels, segment values, percentages, category axis title, value axis title, category axis labels, value axis labels, scales • To add a second data series to a chart, as necessary • To add a second axis to a chart, as necessary • To change the maximum and minimum values of an axis scale to appropriate values • enhance the appearance of a graph or chart, including: changing the colour scheme or fill patterns, extracting a pie chart sector to meet the needs of the audience 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 6	Presentations
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> • To use a master slide to appropriately place objects and set suitable styles to meet the needs of the Audience • To use suitable software tools to create presentation slides to meet the needs of the audience • To use suitable software tools to display the presentation in a variety of formats, including: looped on-screen carousel, controlled presentation, presenter notes, audience notes taking into account the needs of the audience 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 7	Images & File management
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> To use software tools to place and edit an image to meet the requirements of its intended application and audience To know when it is necessary to edit an image and can appropriately 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Topic 8	Styles & Proofing
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> To understand the purpose of a corporate house style and ensure that all work produced matches this To produce documents which conform to a corporate house style To explain what is meant by corporate branding/house style To apply styles to ensure consistency of presentation 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions..	

Topic 9	Document production & Layout
Approximate length of topic	2 weeks
Main learning objectives	
<ul style="list-style-type: none"> To use software tools to prepare a basic document to match the purpose and target audience To use software tools to use headers and footers appropriately within a range of software packages To format text and organise page layout To explain why it is necessary to use page, section and column breaks, to adjust pagination and to avoid widows and orphans 	
How learning will be assessed	
Specimen/past paper examination questions/multiple-choice test/short case study and questions.	

Assessment Summary	
Assessment period 1 Weeks 1-6	Test: Topic 1 (Theory & Practical)
Assessment period 2 Weeks 7 -13	Trial Exam
Assessment period 3 Weeks 14 - 18	Test: Topic 4 & 5 (Theory & Practical)
Assessment period 4 Weeks 19 - 24	Test: Topic 6 - 9 (Practical)
Assessment period 5 Weeks 25 - 27	Final IGCSE Practical Exam
Assessment period 6 Weeks 28 -34	Final IGCSE Theory Exam

MFL: French	Head of Subject: Miss. C Consul
Head of Subject e-mail address	christine.consul@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Edexcel GCSE French Higher (Pearson)
Specification code	Edexcel IGCSE French 4FR0

Topic 1	Module 6 = <i>Il faut bosser !</i>
Approximate length of topic	4 weeks
Main learning objectives	
<ol style="list-style-type: none"> 1. Discussing jobs and money + indirect object pronouns 2. Talking about part-time jobs + looking for detailed meaning in a text 3. Discussing different jobs + forming questions 4. Applying for jobs + using formal language 5. Discussing problems at work + using qui and que 6. Talking about work experience + contrasting the perfect and imperfect tenses 	
How learning will be assessed	
Listening / speaking / reading / writing / grammar.	

Topic 2	Module 7 = <i>Tourisme</i>
Approximate length of topic	6 weeks
Main learning objectives	
<ol style="list-style-type: none"> 1. Talking about holiday venues + using the verb aller 2. Talking about the weather + past, present and future tenses 3. Hotels and travelling + using comparatives and superlatives 4. Making holiday plans + the future and conditional 5. Talking about a holiday + using the nous form in different tenses 6. Describing a destination + using the perfect infinitive 7. Eating out + using the conditional 8. More about holidays + using the present, imperfect and conditional 9. Talking about past holidays + using the perfect tense and pluperfect tenses 	
How learning will be assessed	
Listening / speaking / reading / writing / grammar.	

Topic 3	Module 8 = <i>Mode de vie</i>
Approximate length of topic	4 weeks
Main learning objectives	
<ol style="list-style-type: none"> 1. Talking about food and drink + en (of it/of them) 2. Parts of the body and saying where it hurts + expressions with avoir 3. Talking about what is wrong with you + impersonal verbs 4. Talking about a healthy lifestyle + adverbs 5. Discussing addiction and other problems + giving your opinion 6. Talking about family relationships + more practice giving opinions 	
How learning will be assessed	
Listening / speaking / reading / writing / grammar.	

Topic 4	Module 9 = <i>Le monde en danger</i>
Approximate length of topic	4 weeks
Main learning objectives	
<ol style="list-style-type: none"> 1. Discussing world issues + the conditional of modal verbs 2. Talking about problems in your area + using more negatives 3. Discussing the environment + the present and future tenses 4. Talking about environmental projects + using direct object pronouns in the perfect tense 5. Understanding news stories + the passive 	
How learning will be assessed	
Listening / speaking / reading / writing / grammar.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Weekly tests
Assessment period 2 Weeks 6 -12	Trial exams
Assessment period 3 Weeks 13 – 17	Weekly tests
Assessment period 4 Weeks 18 - 23	Weekly tests
Assessment period 5 Weeks 24 - 28	IGCSE Exam Period
Assessment period 6 Weeks 29 -34	IGCSE Exam Period

MFL: Spanish	Head of Subject: Miss P. Kuria
Head of Subject e-mail address	patricia.kuria@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Edexcel GCSE Spanish Higher (Pearson)
Specification	Edexcel IGCSE Spanish 4SP0

Topic 1	Mi tiempo libre/My free time
Approximate length of topic	6 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Use definite/indefinite articles and 'algún.' • Express a range of opinions. • Talk about hobbies and pocket money. • Use conjugated verbs and infinitives. • Introduce variety into spoken Spanish. • Describe sports and sporting events. • Refer to the past and the present. • Listen for the relevant information. • Talk about extreme sports. • Use a range of adjectives and opinion phrases. • Decode texts. • Use the present continuous. • Take part in an extended conversation. • Use the personal 'a' to talk about other people. • Use absolute superlatives. • Talk about new technology. • Use language of debate. 	
How learning will be assessed	
Test paper questions based on the topic covered.	

Topic 2	La salud/health
Approximate length of topic	6 weeks
Main learning objectives - on completion of this topic, students should know how to:	
<ul style="list-style-type: none"> • Talk about the body and illnesses. • Use reflexive verbs in the perfect tense. • Find strategies to remember vocabulary. • Buy food. • Apply more strategies to master their vocabulary. • Talk about how to stay in good shape. • Use the present and imperfect tense. • Use a variety of verbs to talk about mealtimes. • Use the right expressions to give advice. • Use the conditional and future tense. • Give extended answers while speaking. • Talk about issues facing young people. • Understand phrases with the subjunctive. • Use the present tense and the conditional. 	
How learning will be assessed	
Test paper questions based on the topic covered.	

Topic 3	Nuestro planeta/our planet
Approximate length of topic	5 weeks
Main learning objectives - on completion of this topic, students should know to:	
<ul style="list-style-type: none"> • Talk about the environment. • Use the conditional of 'deber.' • Use a variety of expressions to give their point of view. • Talk about global issues. • Use the present subjunctive. • Listen for higher numbers. • Consider problems facing the planet. • Use negative commands. • Use cognates and context to understand a text. • Look at local solutions to global problems. • Use the imperfect and present tenses. • Gain thinking time when speaking. • Talk about global citizenship. • Use SI + present + future. • Write an extended text. • Talk about homelessness. • Use the pluperfect tense. • Use different time frames. 	
How learning will be assessed	
Test paper questions based on the topic covered.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Topic Test
Assessment period 2 Weeks 6 -12	Trial Exams
Assessment period 3 Weeks 13 – 17	Topic Test
Assessment period 4 Weeks 18 - 23	Topic Test
Assessment period 5 Weeks 24 - 28	IGCSE Exam period
Assessment period 6 Weeks 29 -34	IGCSE Exam period

MFL: German	Head of Subject: Mrs K. Mubiru-Lwanga
Head of Subject e-mail address	katherine.lwanga@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Edexcel GCSE German Higher (Pearson)
Specification	Edexcel IGCSE German (4GN0)

Topic 1	Die Umwelt (the environment)
Approximate length of topic	5 weeks
Main learning objectives	
Compare today's weather with possible future changes, use of impersonal verbs, discuss how to help the environment, using infinitive expressions, discuss world problems and possible solutions, use prepositions with accusative case, consider the environmental impact on different forms of transport, listening to more complex texts.	
How learning will be assessed	
A written, listening, reading and speaking assessment at the end of the module.	

Topic 2	Meine Freizeit (my freetime)
Approximate length of topic	6 weeks
Main learning objectives	
Talk about what you do in your free time using perfect tense, pluperfect tense, future tense, present tense, look at complex sentence structures and word order, talking about money and shopping, talk about teenage trends in fashion, give opinions and justification of those opinions.	
How learning will be assessed	
End of term assessment involving topics 1 and 2.	

Topic 3	Revision/ catch up work
Approximate length of topic	5 weeks
Main learning objectives	
Cover work that has not been covered in the allotted time. Cover all 9 IGCSE modules briefly and going through different tenses. Do reading, writing, speaking and listening practice and prepare for mock exams, talk about exam specifications and look at examiners' reports.	
How learning will be assessed	
Mock examinations.	

Topic 4	Revision
Approximate length of topic	5 weeks
Main learning objectives	
Continue to revise all 9 IGCSE modules briefly and going through different tenses and grammar exercises. Reading, writing, speaking and listening practice and prepare for mock exams, talk about exam specifications and look at examiners' reports.	
How learning will be assessed	
End of term assessment of Reading, Writing, Speaking and Listening skills of units 1,2,3 and 4.	

Topic 5	Revision
Approximate length of topic	6 weeks
Main learning objectives	
Go through mock examination weaknesses and follow structured revision. Continue to revise all 9 IGCSE modules enhancing reading, writing, speaking and listening skills. Revise and confidently use at least eight different tenses, talk about exam specifications of all skills and look at examiners' reports.	
How learning will be assessed	
End of unit assessing Reading, Writing, Speaking and Listening skills.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Topic Test
Assessment period 2 Weeks 6 -12	Trial Exams
Assessment period 3 Weeks 13 – 17	Topic Test
Assessment period 4 Weeks 18 - 23	Topic Test
Assessment period 5 Weeks 24 - 28	IGCSE Exam period
Assessment period 6 Weeks 29 -34	IGCSE Exam period

Music	Head of Subject: Mr N. Mwashimba
Head of subject e-mail address	nick.mwashima@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	N/A
Specification	CIE IGCSE Music (0410)

Topic 1	Performance (Ongoing)
Approximate length of topic	20 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Technical competence on one or more instruments. • Interpretative understanding of the music performed. • sing and/or play music with excellent musicianship and technical control 	
How learning will be assessed	
<ul style="list-style-type: none"> • Continuous assessment • Verbal feedback • Peer and self-evaluation • Performance exam 	

Topic 2	Composing (Ongoing)
Approximate length of topic	20 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Discrimination and imagination in free composition. • Notation, using staff notation and, if appropriate, other suitable systems. 	
How learning will be assessed	
<ul style="list-style-type: none"> • Continuous assessment • Verbal feedback • Peer and self-evaluation 	

Topic 3	Listening Analysis(Ongoing)
Approximate length of topic	34 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Aural awareness, perception and discrimination in relation to Western music. • Identifying and commenting on a range of music from cultures in different countries. • Knowledge and understanding of one World Focus from a non-Western culture and one Western Set Work. 	
How learning will be assessed	
<ul style="list-style-type: none"> • Continuous assessment • Verbal feedback • Peer and self-evaluation • Written exam 	

Assessment Summary	
Assessment period 1 Weeks 1-5	Verbal feedback, classroom quiz
Assessment period 2 Weeks 6 -12	Verbal feedback, self-evaluation, Trial exam
Assessment period 3 Weeks 13 - 17	Verbal feedback, classroom test, self and peer evaluation
Assessment period 4 Weeks 18 - 23	Verbal feedback, classroom test, self and peer evaluation
Assessment period 5 Weeks 24 - 28	Verbal feedback, classroom test, self and peer evaluation
Assessment period 6 Weeks 29 -34	Verbal feedback, classroom test, self and peer evaluation, Final exam

Physical Education	Head of Subject: Miss R Greenhalgh
Head of Subject e-mail address	rebecca.Greenhalgh@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Edexcel GCSE Physical Education
Specification Code	Edexcel GCSE Physical Education (2PE01)

Topic 1	Healthy active lifestyle
Approximate length of topic	6 weeks
Main learning objectives	
The Respiratory System <ul style="list-style-type: none"> - To describe the immediate effects of participation in exercise on the respiratory system. - To describe the long term effects of participation in exercise on the respiratory system. - To know the effects of smoking on the respiratory system. 	
The Muscular System <ul style="list-style-type: none"> - To know the three different types of muscle. - To know the different movements of the muscles. - To identify the names of the muscles causing each movement. - To be able to explain antagonistic pairs and the types of muscular contraction. - To know the effects of protein and recovery on the muscular system. - To explain the effects of performance enhancing drugs on the muscular system. - To describe the different soft-tissue injuries on the muscular system. 	
How learning will be assessed	
Summative assessment - end of topic test	

Topic 2	Healthy active lifestyle
Approximate length of topic	5 weeks
Main learning objectives	
The Skeletal System <ul style="list-style-type: none"> - To describe the five functions of the skeleton. - To know the three types of joint, and six types of synovial joint. - To describe the benefits of exercise on the skeleton - To describe the effects of diet on the skeleton. 	
How learning will be assessed	
Summative assessment - end of topic test	

Topic 3	Analysis of performance
Approximate length of topic	10 weeks
Main learning objectives	
- Preparation for practical assessment of specialist sports being offered for final GCSE exam	
How learning will be assessed	
GCSE practical assessment	

Assessment Summary	
Assessment period 1 Weeks 1-5	Summative Assessment – End of topic Test Influences, benefits and reasons, opportunities
Assessment period 2 Weeks 6 -12	Trial Exam
Assessment period 3 Weeks 13 - 17	Practice GCSE practical test
Assessment period 4 Weeks 18 - 23	GCSE Practical Test
Assessment period 5 Weeks 24 - 28	GCSE Exam Period
Assessment period 6 Weeks 29 -34	GCSE Exam Period

PSHE	Head of Subject: Mrs S Mathias
Head of Subject e-mail address	sheenagh.mathias@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	N/A
Specification	Non-examined course

Topic 1	Career and economic understanding
Approximate length of topic	3 weeks
Main learning objectives	
<p>For students to develop the concept of</p> <ul style="list-style-type: none"> • Different types of work, including employment, self-employment and voluntary work • The organisation and structure of different types of business, and work roles and identities • Rights and responsibilities at work and attitudes and values in relation to work and enterprise • Skills and qualities in relation to employers' needs • University expectations, nationally and internationally 	
How learning will be assessed	
Self-reflection, formative assessment	

Topic 2	Relationships
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • The diversity of ethnic and cultural groups, the power of prejudice, bullying, discrimination and racism, and the need to take the initiative in challenging this and other offensive behaviours and in giving support to victims of abuse • The effect of diverse and conflicting values on individuals, families and communities and ways of responding to them • Characteristics of positive relationships, and awareness of exploitation in relationships and of statutory and voluntary organisations that support relationships in crisis 	
How learning will be assessed	
Self-reflection, formative assessment	

Topic 3	Careers
Approximate length of topic	2 weeks
Main learning objectives	
For students to determine how to access the best and most appropriate information, advice and support for them in relation to future choices; How to manage uncertainty in their future career and in the workplace in general	
How learning will be assessed	
Self-reflection, formative assessment	

Topic 4	Healthy Lifestyles
Approximate length of topic	5 weeks
Main learning objectives	
For students to develop concepts about <ul style="list-style-type: none"> • risk in relation to choices in drug and alcohol and smoking. • identify the risk factors, signs and symptoms of breast cancer and testicular cancer 	
How learning will be assessed	
Self-reflection, formative assessment	

Assessment Summary No formal assessments are carried out in PSHE, but students assess and evaluate their own progress at the end of each lesson and each topic to establish the learning objectives have been reached.

Religious Studies	Head of Subject: Mr. J Leverton
Head of Subject e-mail address	james.leverton@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Edexcel Religious Studies Textbook
Specification	Edexcel Religious Studies B (1RB0) – Paper 1: Christianity

Topic 1	Rights and Responsibilities
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Christians and the Bible: explain why some Christians use only the Bible as a basis for making moral decisions; Outline the differences in Christian views on the authority of the Bible. • Christians and the authority of the Church: outline how different Churches make decisions on moral issues. • Christians and conscience: explain how a conscience can help Christians to resolve moral problems. • Christians and Situation Ethics: explain the principle of agape in moral decision-making and explore potential problems with Situation Ethics. • Christians and the variety of moral authorities: explain how most Christians use a variety of authorities to help to resolve moral problems. • Human rights in the UK: describe government actions to protect human rights. • Why human rights are important to Christians: use examples of Christians who have worked to improve human rights. • Democratic and Electoral processes: evaluate the importance of elections and taking part in the democratic process. • Christian teachings on moral duties and responsibilities: explain the Golden Rule and the parable of the sheep and the goats. • The nature of genetic engineering: give some of the advantages and disadvantages of genetic engineering, and explain why it is controversial. • Christian attitudes to genetic engineering. 	
How learning will be assessed	
Learning will be assessed with an end of unit assessment featuring GCSE style questions.	

Topic 2	Environmental and Medical Issues
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Global warming: explain the potential consequences and possible solutions. • Pollution: describe the main types of pollution and their causes. • Natural resources: explain why conserving natural resources is important. • Christian teaching on stewardship and attitudes to the environment. • Muslim teaching on stewardship and attitudes to the environment. • Medical treatment for infertility: describe the main fertility treatments available; explain why these may be controversial. • Christian attitudes to medical treatment for infertility. • Muslim attitudes to medical treatment for infertility. • Transplant surgery: describe transplant surgery and organ donation; explain some of the advantages and problems associated with organ donation. • Christian attitudes to transplant surgery. • Muslim attitudes to transplant surgery. 	
How learning will be assessed	
Learning will be assessed with an end of unit assessment featuring GCSE style questions.	

Topic 3	Peace and Conflict
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • Why do wars occur? • The United Nations and world peace: describe and explain some of the ways in which the UN works for peace. • Religious organisations and peace: describe the work of Christian and Muslim peace organisations. • Just war theory: explain the criteria needed for a war to be just; explain the problems of the just war theory. • Christian attitudes to war: describe the teachings of the New Testament concerning war and peace. • Muslim attitudes to war: explain the difference between the greater and lesser jihads. • Christian attitudes to bullying. • Muslim attitudes to bullying. • Religious conflicts within families: give examples of situations which may cause religious conflict within families. • Christian teachings on forgiveness and reconciliation. • Muslim teachings on forgiveness and reconciliation. 	
How learning will be assessed	
Learning will be assessed with an end of unit assessment featuring GCSE style questions.	

Topic 4	Crime and Punishment
Approximate length of topic	5 weeks
Main learning objectives	
<ul style="list-style-type: none"> • The need for law and justice: describe how laws are made and justice is enforced. • Theories of punishment: explain deterrence, retribution, reform and protection. • Christians and justice: describe the work of Christian agencies seeking justice in the world. • Muslim attitudes to justice: give examples of how Islamic teachings about justice are put into practice. • Non-religious arguments about capital punishment. • Christian attitudes to capital punishment. • Muslim attitudes to capital punishment. • Drugs and alcohol laws: describe the basic laws regarding the sale and consumption of drugs and alcohol in the UK. • Social and health problems caused by drugs and alcohol. • Christian attitudes to drugs and alcohol. • Muslim attitudes to drugs and alcohol. 	
How learning will be assessed	
Learning will be assessed with an end of unit assessment featuring GCSE style questions.	

Assessment Summary	
Assessment period 1 Weeks 1-5	End of Unit Assessment 1
Assessment period 2 Weeks 6 -12	Trial Exam
Assessment period 3 Weeks 13 - 17	End of Unit Assessment 3
Assessment period 4 Weeks 18 - 23	End of Unit Assessment 4
Assessment period 5 Weeks 24 - 28	IGCSE Exam Period
Assessment period 6 Weeks 29 -34	IGCSE Exam Period

Sociology	Head of Subject: Mr. M Garton
Head of Subject e-mail address	matthew.garton@turimail.co.ke
Curriculum Map 2016/2017	Year 11
Textbook	Cambridge IGCSE Sociology Coursebook - Jonathan Blundell
Specification	CIE IGCSE Sociology (0495)

Topic 1	Family: Types of Family.
Approximate length of topic	6 weeks
Main learning objectives	
To understand the different types of family. To analyse the strengths and weaknesses of different family types. To analyse the different sociological explanations for types of family.	
How learning will be assessed	
Half GCSE mock examination.	

Topic 2	Family: The relationship between family and the state.
Approximate length of topic	6 weeks
Main learning objectives	
To understand the demographic changes in family type across the world. To explain how different societies may have influenced family changes. To analyse the different effects on the individual due to their family and society.	
How learning will be assessed	
Full GCSE mock examination	

Topic 3	Education: Types of education and school systems.
Approximate length of topic	6 weeks
Main learning objectives	
To understand the differences in formal and informal education and the hidden and official curriculums. To understand different world education systems and explain their strengths and weaknesses. To understand different types of UK school and explain their strengths and weaknesses.	
How learning will be assessed	
Half GCSE mock examination.	

Topic 4	Education: Factors affecting achievement.
Approximate length of topic	6 weeks
Main learning objectives	
To understand the statistics relating to exam performance and difference groups in the UK. To explain the disadvantages and advantages different classes, ethnicities and genders may face in education. To analyse the largest factor affecting a student's achievement.	
How learning will be assessed	
Half GCSE mock examination.	

Topic 5	Revision
Approximate length of topic	6 weeks
Main learning objectives	
To understand the command words and the potential questions that will arise through continual practice of past and specimen papers.	
How learning will be assessed	
Full GCSE mock examination.	

Assessment Summary	
Assessment period 1 Weeks 1-5	Types of Family
Assessment period 2 Weeks 6 -12	Full Trial Examination Unit 1,3,4
Assessment period 3 Weeks 13 - 17	Types of school and education.
Assessment period 4 Weeks 18 - 23	Factors affecting achievement in education.
Assessment period 5 Weeks 24 - 28	IGCSE Exam Period
Assessment period 6 Weeks 29 -34	IGCSE Exam Period