

**OSHWAL ACADEMY
NAIROBI
JUNIOR HIGH**



**SUBJECT SELECTION
BOOKLET**

KEY STAGE 4

INTRODUCTION

The current Year 9 students, who will complete Key Stage 3 at the end of this scholastic year, will be promoted to Key Stage 4 (IGCSE course) in the next academic year. Consequently, they will choose the subjects they would like to study at 'O' Levels and later pursue 4 subjects at 'AS' and 'A' Levels from the options they have decided on.

This is an important step towards planning for both 'A' levels and University Education and requires deep insight of relevant subject combinations in view of achieving long term goals. Making decisions about the future is a difficult task for anyone. The administration has organized this seminar on **"making the right subject choices"** in order to allay the apprehensions of parents and students and to assist you in making informed career decisions. A few general guidelines are given below to help you through the exercise of making the right subject choice.

The system shown below has been devised in consideration of the following Key objectives.

- It provides flexibility in choosing future career options.
- It gives a stronger direction to students in pursuing their career paths and focusing on specific career fields.

CHOOSE ONE SUBJECT PER GROUP

1	2	3	4	5	6
ACCOUNTS	BIOLOGY	ACCOUNTS	ACCOUNTS	BIOLOGY	ART
CHEMISTRY	COMPUTER SCIENCE/ICT	ADD. MATHS	BIOLOGY	BUSINESS STUDIES	ADD. MATHS
DRAMA	ECONOMICS	CHEMISTRY	BUSINESS STUDIES	COMPUTER SCIENCE/ ICT	B. STUDIES
FOOD & NUTRITION	LITERATURE	ECONOMICS	GEOGRAPHY or GLOBAL PERSPECTIVE	CHEMISTRY	ECONOMICS
GEOGRAPHY	MUSIC	ENVIRONMENTAL MANAGEMENT	ICT	HISTORY	FOOD & NUTRITION
HISTORY	PHYSICS	HISTORY	LITERATURE	GEOGRAPHY	H. BIOLOGY
HUMAN BIOLOGY	P.E.	PHYSICS	PHYSICS	PSYCHOLOGY	PHYSICS
			PSYCHOLOGY		

- The total number of subjects that a student must study and register for is 9. However, the school will allow students to register for an additional subject on private arrangements. Entry of an additional subject for IGCSE **MUST** have a written undertaking and commitment from the parents and student. The undertaking must be signed and approved by the student, parent, Head of Department, Teaching and Learning Coordinator and the Head of the School.
- Private entry of subjects with **practical/course work** element **will not** be allowed.
- Students taking private subjects will be monitored through the school's internal assessments.
- For students in the Learning Support Department, the number of IGCSE subjects to be studied and registered for will be decided and advised accordingly after consultation with the LSD and all other stakeholders.
- Every student must study the compulsory subjects i.e., English Language, Mathematics and **ONE** Second Language.
- For IGCSE registration, a grade **"C"** of **60% and above** is considered a pass. However, an aggregate of **40%** for the three terms of the academic year in Year 10 is mandatory to secure final registration at Year 11 for final IGCSE. Further, a student must have attended at least **95% of all lessons and school days by the time registration of final IGCSE starts.**
- For University admissions, the minimum admission requirement is a grade **"C"** and above in English Language and 5 credit passes at IGCSE.

Please note

- **Additional Mathematics** is useful for students planning to pursue Mathematics or Engineering at higher level and assists in 'A' Level Maths. Similarly, **Human Biology** is useful for students planning to pursue a Medical career or Applied Medicine. Human Biology will only be offered to students who take Biology.
- Business and Economics is considered as one credit at top Universities entry.
- Literature is not compulsory.
- Students opting for a career in **Actuarial Science, Economics** and a **major in Mathematics** are advised to study and register for **Additional Mathematics** at IGCSE level.
- It is important to **balance all subjects** while choosing your IGCSE subjects depending on your career choices.
- Students may reconsider their subject choices and make changes **only within 2 weeks after school resumes** in September for a new Academic Year. Thereafter, they **will not be allowed to drop or change any subject** for which they have registered.

General Guidelines

- The final decision **will be based on the student's aptitude and performance in the relevant subjects**. You are advised to study your child's transcript for performance in the past examinations (Average of Term 1 & 2 Year 9 Examinations)
- Guide your child to choose subjects that are not only based on career choices but also **on his/her ability to** cope with the demands of the subjects chosen. Subject teachers should be consulted. Encourage your child to choose subjects he/she **enjoys and does well** in class/ examinations.
- Discuss options with **professionals** in the various fields and study the **job market trends** before deciding. The **Careers Department** is always available for help.
- Discuss with your child's class teacher / subject teacher about his/her aptitude and **capability of handling a subject**, not only at IGCSE but at higher levels as well. Subject choice should be in line with the AS and A2 levels, to help them achieve their career goals.
- Though it is easier to make a change from the Science Stream to the Business Stream for their 'A' level studies, it is difficult and unadvisable to change from Business to Science.
- Choose subjects that will complement each other and provide career-based options.

Cambridge International Certificate in Education (ICE)

The Cambridge ICE certificate is a group award designed for students who can meet the demands of a broad curriculum. Students enter and sit for a minimum of seven subjects selected from the five IGCSE curriculum areas:

- *Group 1 - Languages*
- *Group 2 - Humanities*
- *Group 3 - Sciences*
- *Group 4 - Mathematics*
- *Group 5 - Creative and Vocational*

Cambridge ICE is awarded to students who pass in at least seven Cambridge IGCSE subjects, including **two** from Group 1 and **one** from each of Groups 2 to 5. The seventh subject may be chosen from any of the syllabus groups.

Students who qualify for the **Cambridge ICE award** will be placed in one of three categories:

- **Distinction** - Grade A or better in five subjects and grade C or better in two subjects.
- **Merit** - Grade C or better in five subjects and grade F or better in two subjects.
- **Pass** - Grade G or better in seven subjects.

Another important benefit that Cambridge ICE offers is that students can demonstrate competence across a wide range of subjects and skills. Cambridge ICE carries greater currency in its own right.

List of qualifying subjects for Cambridge ICE offered at Oshwal Academy Nairobi Junior High

Group 1 - Languages		Group 2 – Humanities
0500 First language English 0520 French 0525 German 0549 Hindi as a second Language 262 Swahili		0455 Economics 0457 Global Perspectives* 0460 Geography 0470 History 0475 Literature in English 0680 Environmental Management**
Group 3	Group 4	Group 5
0610 Biology 0620 Chemistry 0625 Physics 0680 Environmental Management**	0606 Additional Mathematics 0580 Mathematics (Without coursework)	0400 Art & Design 0410 Music 0411 Drama 0413 Physical Education 0417 Information and Communication Technology 0450 Business Studies 0452 Accounting 0457 Global Perspectives* 0478 Computer Science 0648 Food and Nutrition

* 0457 Global Perspectives can be taken as a qualifying subject in either Group 2 or Group 5. This subject cannot be used to satisfy the criteria for both subject groups.

** 0680 Environmental Management can be taken as a qualifying subject in either Group 2 or Group 3. The subject cannot be used to satisfy the criteria for both subject groups.

NOTE

- **Students will still do their usual nine subjects and receive their IGCSE certificate.**
- **Students taking Gujarati/Human Biology/Psychology for Edexcel IGCSE do not qualify for Cambridge ICE.**

	Art & Design
PAPER CODE	IGCSE 0400
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<p>Enables Students to develop:</p> <ul style="list-style-type: none"> • Creative intuitive capabilities, visual awareness, imaginative and practical skills for communication in Art / Design. • Be equipped with investigative, analytical, experimental interpretive, technical, critical and expressive skills. • Growing independence in the refinement and development of ideas and personal outcomes. • Engagement and experimentation with a range of media materials and techniques, including new media and technologies where appropriate. • Critical awareness of other practitioners, environments, and cultures. • A working vocabulary relevant to the subject.
KEY FEATURES	<ul style="list-style-type: none"> • A thematic exam paper for externally set route. • Students create a personal portfolio of work that demonstrates knowledge, understanding and skills. • Full range of teacher support • Prepares school students for life, helping them develop an informed curiosity and lasting passion for learning. • Suitable for different learners with a wide range of abilities and offers breadth and flexibility in content and approach. • Recognized by world's best universities and employers, giving students a wide range of options in their education and career. • A personal portfolio of work that demonstrates knowledge, skills and understanding.
EXAMINATION PAPERS	<p>Component 1: Coursework -- Personal Portfolio (Internally set, externally Assessed. (100 marks)</p> <p>Component 2: Externally set assignment (ESA) --- 8 Hour sustained focus. (100 marks).</p>
RELATED CAREERS	Advertising, Architecture, Marketing / Graphic Design, interior and fashion design, Landscaping, Urban design, Publishing and media textile design, furniture, jewelry making, gemology, photography, Artist, Animation, Art Therapy, Web Designer.
SKILLS REQUIRED	<p>Have a flair for drawing and dexterity is an added advantage.</p> <p>Have an inquisitive mind.</p> <p>Possess good craft instincts.</p> <p>Be a creative person</p>

SUBJECT	BIOLOGY
SYLLABUS CODE	IGCSE 0610
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	❖ Acquire knowledge and understanding of biological facts, concept, and principles.

	<ul style="list-style-type: none"> ❖ Use concepts in new and changing situations. ❖ Form hypothesis and design experiments, develop interest in the study of living organisms. ❖ Evaluate benefits and drawbacks of scientific developments.
KEY FEATURES	Includes aspects of Science appropriate for the 21 st Century, Linear assessment, single tier assessment, Assessment of investigative skills through examination, provides a sound Assessment of investigative skills through examination. Provides a sound foundation for Edexcel GCE AS and A Level, IB Diploma, A and AS level Cambridge Biology, and US Advanced placement program among other bodies
EXAMINATION PAPERS	<p>A new Multiple-Choice paper for Extended candidates has been included. This paper is now Paper 2.</p> <p>The papers are:</p> <p>Paper 1: Multiple Choice (Core)</p> <p>Paper 2: Multiple Choice (Extended)</p> <p>Paper 3: Theory (Core)</p> <p>Paper 4: Theory (Extended)</p> <p>Paper 5: Practical Test</p> <p>Paper 6: Alternative to Practical</p> <p>Core candidates will now take Paper 1: Multiple Choice (Core), Paper 3: Theory (Core) and either</p> <p>Paper 5: Practical Test or Paper 6: Alternative to Practical.</p> <p>Extended candidates will now take Paper 2: Multiple Choice (Extended), Paper 4: Theory (Extended), and either Paper 5: Practical Test or Paper 6: Alternative to Practical.</p>
RELATED CAREERS	Medical Science, Dentistry, Ophthalmology, Animal husbandry, Nutritionist, Physiotherapy, Biotechnology, Genetic Engineering, Environmental Scientist, Nursing, Zoologist, Botanist teacher, Pharmacist, Food technology
SKILLS REQUIRED	Knowledge and understanding of specific biological facts, concepts, and practical techniques. Application of knowledge and understanding, analysis and evaluation. Investigative skills.
SUBJECT	HUMAN BIOLOGY
PAPER CODE	IGCSE 4HBI
EXAMINING BOARD	Edexcel
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Paper 1 – 4HBI / 01 Externally assessed 1 Hour 45 minutes examination Total Marks 90 ❖ Paper 2 – 4HBI / 02 Externally assessed 1 Hour 45 minutes examination Total Marks 90
RELATED CAREERS	Medical Science, Dentistry, Ophthalmology, Animal husbandry, Nutrition, Physiotherapy, Biotechnology, Genetic Engineering, Environmental Science, Nursing, Zoology, Botany, Teaching, Pharmacy, Food technology
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Knowledge and understanding of specific biological facts, concepts, and practical techniques. Application of knowledge and understanding, analysis and evaluation. Investigative skills.
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Acquire knowledge and understanding of biological facts, concepts, and principles. ❖ Apply concepts in new and changing situations. ❖ Form hypothesis and design experiments ❖ Develop interest in the study of living organisms. ❖ Evaluate benefits and drawbacks of scientific developments.
KEY FEATURES	Includes aspects of Science appropriate for the 21 st Century, a linear assessment, single tier assessment.

SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Good Numeracy Skills ❖ The students should be able to <i>apply their numerical skills in a purely mathematics way</i> and to real-life situations.
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SUBJECT	INFORMATION AND COMMUNICATION TECHNOLOGY
PAPER CODE	0417
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<p>The aims are to develop:</p> <ul style="list-style-type: none"> • Knowledge of ICT including new and emerging technologies • Autonomous and discerning use of ICT • Skills to enhance work produced in a range of contexts • Skills to analyze, design, implement, test, and evaluate ICT systems • Skills to consider the impact of current and new technologies on methods of working in the outside world and on social, economic, ethical, and moral issues • ICT-based solutions to solve problems • The ability to recognise potential risks when using ICT, and use safe, secure, and responsible practice.
KEY FEATURES	<ul style="list-style-type: none"> • Understanding and using applications • Using Information and Communication Technology (ICT) to solve problems. • Analyzing, designing, implementing, testing, and evaluating ICT systems, ensuring that they are fit for purpose. • Understanding the implications of technology in society, including social, economic, and ethical uses • Awareness of the ways ICT can help in home, learning and work environments.
EXAMINATION PAPERS	<p>Paper 1 - 2 hours Theory 40% (Weightage) = 80 marks</p> <p>Paper 2 - 2 hours 30 minutes 30% (Weightage) = 70 marks This test assesses the practical skills. Externally assessed.</p> <p>Paper 3 - 2 hours 30 minutes 30% (Weightage) = 70 marks This test assesses the practical skills. Externally assessed</p>
RELATED CAREERS	Database analyst, Systems administrator, Web Marketing Manager, Application Software Developer, Systems engineer, Web Developer.
SKILLS ACQUIRED	ICT develops important skills in students, such as data handling, which are transferable and useful for a wide range of jobs.

SUBJECT	COMPUTER SCIENCE
PAPER CODE	0478
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> • Computational thinking, that is thinking about what can be computed and how and includes consideration of the data required. • Understanding of the main principles of solving problems by using computers. • Understanding that every computer system is made up of sub-systems, which in turn consist of further sub-systems. • Understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communications, and people. • Skills necessary to apply understanding to solve computer-based problems using a high-level programming language.
KEY FEATURES	<ul style="list-style-type: none"> • To study the principles and practices of computing and gain confidence in computational thinking and programming. • Learn to program by writing computer code and they develop their understanding of the main principles of problem-solving using computers. • To apply their understanding to develop computer-based solutions to problems using algorithms and a high-level programming language. • They also develop a range of technical skills, as well as the ability to test effectively and to evaluate computing solutions. • To appreciate current and emerging computing technologies and the benefits of their use. • To learn to recognise the ethical issues and potential risks when using computers.
EXAMINATION PAPERS	<p>Paper 1 - 1 hour 45 minutes Theory 50% = 75 marks No calculators are permitted. Externally assessed.</p> <p>Paper 2 - 1 hour 45 minutes Problem-solving and Programming = 75 marks 50%</p> <ul style="list-style-type: none"> • Short answer and structured questions • All questions are compulsory. • 20 marks are from questions set on the pre-release material¹. • No calculators are permitted. <p>Externally assessed. *Students taking Computer Science MUST have an average score of 70% in Year 9.</p>
RELATED CAREERS	Software engineering, Systems engineer, Database analyst, Systems administrator, Web Marketing Manager, Application Software Developer, Systems engineer, Web Developer.
SKILLS ACQUIRED	Computer Science develops important problem-solving skills through programming in students, which are transferable and useful for a wide range of jobs.

SUBJECT	FOOD AND NUTRITION
PAPER CODE	IGCSE 0648
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Develop understanding of nutrition and health problems/diseases associated with diet. ❖ Develop interest in the creative side and the enjoyment of food and the skills necessary for food preparation and preservation. ❖ Develop awareness of how the consumer situation differs in developed and under-developed economies and how to assess the effectiveness and validity of claims made by advertisers. ❖ Develop ability to make informed judgments and choices about the food available to the family unit in everyday life and how to prevent diseases
KEY FEATURES	<ul style="list-style-type: none"> ❖ A single practical and theory exam for external assessment route ❖ Full range of teacher support ❖ Opportunity to study various foods – its preparation, preservation and usage methods, and disease prevention methods. ❖ Parents are expected to purchase all ingredients for lessons and practical examinations. ❖ A sound foundation for progression to A Level or the degree program at universities ❖ Opportunity for a wider career choice
EXAMINATION PAPERS	<p>1 theory paper of 2 hours – structured questions, open ended essay questions and short-answer questions – 100 marks.</p> <p>1 practical paper of 2 hours 30 minutes.</p>
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Dietetics and Nutrition Consultancy in Hospitals or private practice ❖ Research in Nutrition related areas such as food science and food technology ❖ Employment in Multi-National Food Companies ❖ Animal Nutrition and Veterinary Sciences ❖ Employment in school or colleges as teachers/lecturers ❖ Free-lance health writers for magazines/newspapers. ❖ Life-Style coaches for Corporate and people in need ❖ Employment in health spas/gyms etc. ❖ Hotel industry ❖ NGOs and The UN or related organizations ❖ Food bloggers
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ An interest in food – its preparation, preservation, and usage methods ❖ Innovation and creativity ❖ Disciplined ❖ Hard working
SUBJECT	ACCOUNTING

PAPER CODE	IGCSE 0452
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<p>To enable students to develop:</p> <ul style="list-style-type: none"> ❖ knowledge and understanding of the principles and purposes of accounting for individuals, businesses, non-trading organizations and society-as a whole. ❖ an understanding of accounting principles, policies, techniques, procedures, and terminology ❖ improved skills of numeracy, literacy, communication, enquiry, presentation, and interpretation ❖ improved accuracy, orderliness, and the ability to think logically. ❖ an excellent foundation for advanced study.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Offers a course for students from diverse background in terms of general education and lifelong learning. Candidates focus on the skills of recording, reporting, presenting, and interpreting financial information. <p>These form an ideal foundation for further study, and for a future career within the profession.</p>
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Candidates take two compulsory components: Paper 1 and Paper 2 ❖ Paper 1: MCQ There are 35 marks for this paper. The paper carries 30% of total marks. ❖ Paper 2: this is a structured question paper. There are usually 4 to 6 questions based on topics from the whole of the syllabus. All questions are compulsory, and candidates answer on the question paper. There are 100 marks for this paper. The paper carries 70% of total marks.
RELATED CAREERS	Banking & Finance, Insurance, Accounting, Actuarial Sciences, Business Management, International Relations.
SKILLS REQUIRED	Recording, reporting, presenting, and interpreting financial information and build an ideal foundation both for further study and for a future career within the profession.
SUBJECT	BUSINESS STUDIES
PAPER CODE	IGCSE 0450
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ To make effective use of relevant terminology, concepts, and methods, and recognise the strengths and limitations of the ideas used in business. ❖ To apply their knowledge and critical understanding to current issues and problems in a wide range of business contexts ❖ To appreciate the perspectives of a range of stakeholders in relation to the business environment, individuals, society, government, and enterprise

	<ul style="list-style-type: none"> ❖ To develop knowledge and understanding of the major groups and organisations within and outside business and consider ways in which they can influence objectives, decisions, and activities. ❖ To develop skills of numeracy, literacy, enquiry, selection and use of relevant sources of information, presentation, and interpretation.
KEY FEATURES	<ul style="list-style-type: none"> ❖ understand different forms of business organisations, the environments in which businesses operate and business functions such as marketing, operations, and finance. ❖ Appreciate the role of people in business success. ❖ Gain lifelong skills, including: <ul style="list-style-type: none"> • The ability to calculate and interpret business data communication skills needed to support arguments with reasons. • The ability to analyse business situations and reach decisions or judgements.
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ All candidates take two components, Paper 1, and Paper 2. ❖ Paper 1 (Written paper 80 Marks) :1 hour 30 minutes ❖ Four questions requiring a mixture of short answers and structured data responses. Candidates answer all questions. ❖ Paper 2 (Written paper 80 Marks):1 hour 30 minutes ❖ Four questions based on a case study, provided as an Insert with the paper. Candidates answer all questions. ❖ Both papers carry 50% each
RELATED CAREERS	Accounting, Finance, Banking, Business, Administration, Human Resources, Operations Management.
SKILLS REQUIRED	❖ Students should be able to make simple decisions based upon the analysis and evaluation of information provided.
SUBJECT	ECONOMICS
PAPER CODE	IGCSE 0455
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Knowledge and understanding of the specified subject content. ❖ Apply knowledge using appropriate terms, concepts, and theories. ❖ Select, organize, analyze & interpret information. ❖ Evaluate evidence, make judgments and conclusions.
KEY FEATURES	❖ Comprehensive and detailed description of subject matter.
EXAMINATION PAPERS	The assessment has two components. Paper 1: Multiple choice and Paper 2: Structured questions. Candidates must take both papers. Candidates receive grades from A*

	<p>to G.</p> <ul style="list-style-type: none"> ❖ Paper 1 Multiple choice: 45 Minutes ❖ Candidates answer 30 multiple choice questions. Weighted at 30% of total available marks. ❖ Paper 2 Structured questions: 2 hours 15 minutes ❖ Candidates answer one compulsory question, which requires them to interpret and analyse previously unseen data relevant to a real economic situation, and three optional questions from a choice of six. Weighted at 70% of total available marks.
RELATED CAREERS	Banking & Finance, Insurance, Accounting, Actuarial Sciences, Business Management, International Relations.
SKILLS REQUIRED	❖ Interpreting Data, Building Explanations, Evaluation skills and making reasoned judgments.

SUBJECT	PHYSICAL EDUCATION
PAPER CODE	IGCSE 0413
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	To have knowledge on performance in sports Demonstrate Physical Performance in sports
KEY FEATURES	Physical performance analysis Ability to participate in sports
EXAMINATION PAPERS	a) Paper 1 – Theory – 50% b) Course work – Practical – 50%
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Education – Physical Education Teachers ❖ Sports facilities administrators ❖ Sports Coaching and Training ❖ Sports marketing ❖ Sports medicine ❖ Sports management ❖ Sports psychologist ❖ Sports nutritionist
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Sportsmanship ❖ General knowledge in Human Biology

SUBJECT	CHEMISTRY
PAPER CODE	IGCSE 0620
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	❖ To provide an enjoyable and worthwhile educational experience for all learners, whether they go on to study science beyond this level.

	<ul style="list-style-type: none">❖ To enable learners to acquire sufficient knowledge and understanding to-<ul style="list-style-type: none">• become confident citizens in a technological world and develop an informed interest in scientific matters.• be suitably prepared for studies beyond Cambridge IGCSE.❖ To allow learners to recognise that science is evidence based and understand the usefulness, and the limitations, of scientific method.❖ To develop skills that:<ul style="list-style-type: none">• are relevant to the study and practice of chemistry.• are useful in everyday life.• encourage a systematic approach to problem solving.• encourage efficient and safe practice.• encourage effective communication through the language of science.❖ To develop attitudes relevant to chemistry such as:<ul style="list-style-type: none">• concern for accuracy and precision.• Objectivity.• Integrity.• Enquiry.• Initiative.• inventiveness.❖ To enable learners to appreciate that:<ul style="list-style-type: none">• science is subject to social, economic, technological, ethical, and cultural influences and limitations.• the applications of science may be both beneficial and detrimental to the individual, the community, and the environment.									
KEY FEATURES	<p>Cambridge IGCSE Chemistry enables learners to:</p> <ul style="list-style-type: none">❖ increase their understanding of the technological world.❖ take an informed interest in scientific matters.❖ recognise the usefulness (and limitations) of scientific method, and how to apply this to other disciplines and in everyday life.❖ develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative, and inventiveness.❖ develop an interest in, and care for, the environment.❖ better understand the influence and limitations placed on scientific study by society, economy, technology, ethics, the community, and the environment❖ develop an understanding of the scientific skills essential for both further study and everyday life.									
EXAMINATION PAPERS	<table><tr><td>Paper 2: Multiple Choice (Extended)</td><td>45 minutes</td><td>40 marks</td></tr><tr><td>Paper 4: Theory (Extended)</td><td>1 hour 15 minutes</td><td>80 marks</td></tr><tr><td>Paper 5: Practical Examination</td><td>1 hour 15 minutes</td><td>40 marks</td></tr></table>	Paper 2: Multiple Choice (Extended)	45 minutes	40 marks	Paper 4: Theory (Extended)	1 hour 15 minutes	80 marks	Paper 5: Practical Examination	1 hour 15 minutes	40 marks
Paper 2: Multiple Choice (Extended)	45 minutes	40 marks								
Paper 4: Theory (Extended)	1 hour 15 minutes	80 marks								
Paper 5: Practical Examination	1 hour 15 minutes	40 marks								
RELATED CAREERS	<ul style="list-style-type: none">❖ Medicine❖ Pharmacy❖ Chemical Engineering❖ Biochemistry❖ Material Science❖ Environmental Management❖ Industrial Science❖ Agriculture❖ Dentistry									

	❖ Any Medical related career
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Take and record readings from apparatus. ❖ Drawing and interpretation of graph phenomenon ❖ Describe explain and interpret chemicals. ❖ Simple data processing skills ❖ Ability to apply chemical principles to unfamiliar information. ❖ Interpret and evaluate observations and experimental data. ❖ Plot graphs and/or interpret graphical information. ❖ Identify sources of error and suggest possible improvements in procedures. ❖ Plan an experiment or investigation, including making reasoned predictions of expected results.

SUBJECT	DRAMA
PAPER CODE	IGCSE 0411
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<p>Aims – Developing Students understanding of Drama through practical and theoretical study.</p> <p>Objectives – Understanding, Devising and Performing skills</p>
KEY FEATURES	Characterization, Role play, pacing contrast dynamics, spatial awareness, physicality, tension, technical factors i.e., sound, lighting, make-up, costumes & sets.
EXAMINATION PAPERS	<p>Paper 1 – Written examination – 40%</p> <p>Paper 2 – Coursework – 60%</p>
RELATED CAREERS	Actor / Actress, stage manager, theatre / Arts administrator, Drama teacher, Drama therapist, Radio presenter, sound & lighting designer, journalism, TV anchor etc.
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ No prior training is required. ❖ An average fluency in spoken & written English. ❖ A passion for performing Arts and the will to openly express yourself. ❖ Literature as a subject compliments drama very strongly.

SUBJECTS	MUSIC
PAPER CODE	IGCSE 0410
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Develop broader life skills and attributes such as critical and creative thinking. ❖ Enable students to engage actively in the study of music. ❖ Enable students to understand and appreciate a range of different kind of music.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Music Performance ❖ Composition ❖ Music listening and Appreciation
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Paper 1 Coursework: Performance & Composition 60% ❖ Paper 2 Theory -40%
RELATED CAREERS	❖ Composition, Contemporary writing production, Electronic Production, Electronic Production& design, Film Scoring, Jazz Composition, Business/Management, Music Education, Music Production& Engineering, Music Therapy, Performance, Professional Music, song writing
SUBJECT	GUJARATI
SYLLABUS CODE	GCSE 1GU0

EXAMINING BOARD	Edexcel
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Develop their ability to communicate confidently and coherently with native speakers in speech and writing, conveying what they want to say with increasing accuracy. ❖ Express and develop thoughts and ideas spontaneously and fluently. ❖ Listen to and understand clearly articulated, standard speech at near normal speed. ❖ Deepen their knowledge about how language works and enrich their vocabulary for them to increase their independent use and understanding of extended language in a wide range of contexts. ❖ Acquire new knowledge, skills and ways of thinking through the ability to understand and respond to a rich range of authentic spoken and written material, adapted and abridged, as appropriate, including literary texts. ❖ Develop awareness and understanding of the culture and identity of the countries and communities where the language is spoken. ❖ Be encouraged to make appropriate links to other areas of the curriculum to enable bilingual and deeper learning, where the language may become a medium for constructing applying knowledge. ❖ Develop language learning skills both for immediate use and to prepare them for further language study and use in school, higher education, or employment. ❖ Develop language strategies, including repair strategies.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Understand the written forms of Gujarati within defined context. ❖ Communicate effectively in Gujarati through writing skills, through reading and understanding, through listening and understanding, through skill of speech using range of vocabulary and structures.
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Paper 1: 1GU0/01 Speaking ❖ Paper 2: 1GU0/02 Listening ❖ Paper 3: 1GU0/03 Reading & Understanding. ❖ Paper 4: 1GU0/04 Writing.
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Further studies, interpreter, media, teaching, writer, orator
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ ICT Literacy and Collaborative Problem-Solving skills – access, manage, integrate, evaluate, construct, and communicate. ❖ Cognitive skills – expert thinking, metacognition, creativity ❖ Systems thinking – decision making and reasoning. ❖ Critical thinking – analyzing, synthesizing, and reasoning skills. ❖ Interpersonal skills- Communication – active listening, oral communication, written communication, assertive communication and non – verbal communication. ❖ Relationships building – teamwork, trust, intercultural sensitivity, service orientation, self-presentation, social influence, conflict resolution and negotiation. ❖ Collaborative problem solving – establishing and maintaining shared understanding. ❖ Adaptability ❖ Self-management
SUBJECT	HINDI
SYLLABUS CODE	IGCSE 0549
EXAMINING BOARD	Cambridge International Examinations

AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Develop the ability to use Hindi effectively for the purpose of practical communication. ❖ Form a sound base for the skills required for further study or employment using Hindi as the medium. ❖ Develop an awareness of the nature of language and language-learning skills. ❖ Encourage learners' use of the expanding body of new vocabulary in Hindi. ❖ Promote learners' personal development.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Understand the written forms of Hindi within defined contexts. ❖ Communicate effectively in Hindi through writing and listening skills using range of vocabulary and structures.
EXAMINATION PAPERS	Paper-1- Reading and writing -2 hours. Paper-2-Listening-30 minutes
RELATED CAREERS	Teaching field, interpreter, journalist, film industry, modeling, writer, poet, marketing and many other such fields.
SKILLS REQUIRED	Comprehension, write-up, letter-essay writing, manipulating the language accurately to organize facts, ideas and presenting explanations, opinion, and information in writing. Awareness of latest style of communication. Active listening skills.
SUBJECT	HISTORY
PAPER CODE	IGCSE 0470
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Knowledge and understanding of History. ❖ Critical analysis of Historical sources ❖ Making informed historical judgments
KEY FEATURES	<ul style="list-style-type: none"> ❖ Option B. The twentieth century and depth studies. ❖ International relations since 1919 ❖ Germany, 1918-45
EXAMINATION PAPERS	3 papers Paper 1 (2 hours) Paper 2 (2 hours) Paper 4 (1 hour) Alternative to coursework
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Law ❖ International relations and Diplomacy ❖ Journalism ❖ Administration and Government ❖ Political Science ❖ Education
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Good command of English language ❖ Good analytical skills ❖ An inquisitive, reflective, and discursive mind
SUBJECT	GEOGRAPHY
PAPER CODE	IGCSE 0460
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Develop knowledge and understanding of geographical concepts and their relevance to our changing world. ❖ Develop appreciation of environments, societies, culture, views. ❖ Develop skills such as enquiry, analysis, application, independent judgment through problem solving, fieldwork and Information Technology
EXAMINATION PAPERS	❖ 3 Exam papers.

	<ul style="list-style-type: none"> ❖ Paper 1- Geographical themes (1 hour 45 minutes). Three questions each worth 25 marks. ❖ Paper 2- Geographical skills (1 hour 30 minutes). All questions to be answered. ❖ Paper 4-Alternative to Coursework (1 hour 30 minutes). Two questions to be answered.
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Environmental Science, Meteorology, Tour planning, travel and tourism, geophysics, geology, cartography, aviation, ❖ Agriculture, hydrography
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Use of geographical language expressed in clear, good English. ❖ Develop reasoned arguments. ❖ Drawing maps, diagrams, sketches ❖ Interpretation and Data analysis ❖ Conducting Fieldwork involving Research and report writing ❖ Interpretation of ordnance map survey ❖ Study impacts and management of global issues
KEY TOPICS	<ul style="list-style-type: none"> ❖ Population and settlements ❖ The natural environment ❖ Economic development ❖ Urban environments ❖ Fragile environments ❖ Globalization and migration ❖ Sensitize students to global issues and understand their responsibilities towards sustainable development

SUBJECT	KISWAHILI
SYLLABUS CODE	IGCSE 3162
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Enable students to communicate accurately, appropriately, and effectively in writing. ❖ Enable students respond appropriately to what they read. ❖ Encourage students to enjoy and appreciate the variety of language. ❖ Complement students' other areas of study by developing skills of a more general application e.g., analysis, drawing of inferences and synthesis. ❖ Promote the students' personal development and an understanding of themselves and others.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Translate text from Swahili to English and English to Swahili ❖ Read, understand, and answer questions from the passage. ❖ Swahili essay writing
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ A Single 3-hour paper of a total of 100 marks ❖ The paper tests one on translations, grammatical structures, comprehension skills and essay writing skills in Swahili
RELATED CAREERS	Journalism, translators in NGOs, Banking, Politics, Law, Medical field, Education, Security industry, Hotel and Hospitality
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Communication skills in the language ❖ Translation skills ❖ Understand current affairs.

	<ul style="list-style-type: none"> ❖ Creativity in essay writing in Swahili ❖ Manipulating the Swahili language accurately to organize facts and ideas
SUBJECT	PHYSICS
PAPER CODE	IGCSE 0625
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ better understand the technological world, with an informed interest in scientific matters ❖ recognise the usefulness (and limitations) of scientific methods, and how to apply this to other disciplines and in everyday life. ❖ develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative, and inventiveness. ❖ develop an interest in, and care for, the environment. ❖ better understand the influence and limitations placed on scientific study by society, economy, technology, ethics, the community, and the environment. ❖ develop an understanding of the scientific skills essential for both further study and everyday life.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Science appropriate for 21st Century ❖ Two tier assessment ❖ Investigative skills assessment ❖ Sound foundation for progression to GCE (AS) and A Level
EXAMINATION PAPERS	Paper 2: Multiple Choice (Extended) :40 marks weighted at 30% Paper 4: Theory (Extended): 80 marks weighted at 50% Paper 5: Practical Examination: 40 marks weighted at 20%
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Engineering ❖ Architecture ❖ Medicine and dentistry ❖ Information technology
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Knowledge and understanding of physical facts. ❖ Application of knowledge and understanding, analysis and evaluation ❖ Investigative skills

SUBJECT	MATHEMATICS
PAPER CODE	IGCSE 0580
EXAMINATION BOARD	Cambridge International Examinations
AIMS & OBJECTIVE	<ul style="list-style-type: none"> ❖ Develop an understanding of mathematical principles, concepts and methods in a way which encourages confidence, provides satisfaction and enjoyment, and develops a positive attitude towards mathematics. ❖ Apply mathematics in everyday situations and develop an understanding of the part that mathematics plays in learners' own lives and the world around them. ❖ Use mathematics as a means of communication with emphasis on the use of clear expression and structured argument
KEY FEATURES	<ul style="list-style-type: none"> ❖ The course is tiered to allow all candidates to achieve and progress in their mathematical studies. ❖ Learners will develop their reasoning, problem-solving and analytical skills in a variety of abstract and real-life contexts. ❖ Provides a strong foundation of mathematical knowledge both for candidates studying mathematics at a higher level and those who will require mathematics to support skills in other subjects. ❖ Papers that are balanced for topics and difficulty level.

	❖ A solid basis for students wishing to progress to higher level Mathematics
EXAMINATION PAPER	<p><u>Core</u> Paper 1 – Short-answer questions – 1 hour duration – 56 marks Paper 3 – Structured questions – 2 hours duration – 104 marks Maximum grade awarded is 'C'</p> <p><u>Extended</u> Paper 2 – Short-answer questions – 1-hour 30mins duration – 70 marks Paper 4 – Structured questions – 2 hours 30mins duration – 130 marks Maximum grade awarded is 'A*'</p>

SUBJECT	ADDITIONAL MATHEMATICS
PAPER CODE	IGCSE 0606
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> ❖ Consolidate and extend their mathematical skills and use these in the context of more advanced techniques. ❖ Acquire a suitable foundation in mathematics for further study in the subject or in mathematics-related Subjects. ❖ Develop creativity and perseverance in the approach to problem solving. ❖ Provide foundation for AS Level/Higher study.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Supports learners in building competency, confidence, and fluency in their use of techniques and mathematical understanding. ❖ Provides a strong foundation of mathematical knowledge both for candidates studying mathematics at a higher level and those who will require mathematics to support skills in other subjects. ❖ Designed to stretch the most able candidates and provides a smooth transition to Cambridge AS & A Level Mathematics.
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Paper 1 – 2-hour duration of 80 marks ❖ Paper 2 – 2-hours duration of 80 marks
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Engineering courses, Actuarial Sciences, Computing, Information Technology, Medicine, Teaching, Business Management, Economics, Accountancy

SUBJECT	ENGLISH LANGUAGE 21
PAPER CODE	IGCSE 0500/* 1123
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<p>The course enables learners to:</p> <p>develop the ability to communicate clearly, accurately, and effectively when speaking and writing.</p> <ul style="list-style-type: none"> • use a wide range of vocabulary, and the correct grammar, spelling, and punctuation. • develop a personal style and an awareness of the purpose and audience being addressed.
KEY FEATURES	<ul style="list-style-type: none"> • Offers candidates the opportunity to respond knowledgeably to a rich array of reading passages. Candidates will use some of these passages to inform and inspire their own writing and write in a range of text types for different audiences. • Candidates also can develop both their speaking and listening skills, presenting to others, and responding to feedback and questions. • Candidates can develop a range of skills in organizing content and adapting their written and spoken language to meet the needs of the purpose and audience. • Candidates are encouraged to become appreciative and critical readers, writers, speakers, and listeners.
EXAMINATION PAPERS	<p>Paper 1 2 hours Reading 50 marks.</p> <ul style="list-style-type: none"> • Structured and extended writing questions. Questions will be based on two reading passages. • Externally assessed. Assessing grades A* to E <p>AND Paper 2</p> <p>2 hours Directed Writing and Composition 80 marks</p> <ul style="list-style-type: none"> • Extended writing question and a composition task. Externally assessed
RELATED CAREERS	<ul style="list-style-type: none"> • Mass Communication • Education –Linguistics • Digital copywriter. • Editorial assistant. • English as a foreign language teacher. • Lexicographer. • Magazine journalist. • Newspaper journalist. • Publishing copyeditor/proofreader. • Web content manager • Law • Diplomacy and International Relations
SKILLS REQUIRED	<ul style="list-style-type: none"> • Interest and ability to read widely, both enjoyment and purposeful responses. • Demonstrate an awareness of the ways in which English can be used. • Develop general analysis and communication skills such as inference, and the ability to order facts and present opinions effectively. • Write cohesively and purposeful, • Be creative

SUBJECT	LITERATURE (ENGLISH)
SYLLSBUS CODE	IGCSE 0475
EXAMINING BOARD	Cambridge International Examinations
AIMS AND OBJECTIVES	<ul style="list-style-type: none"> • Enable learners to read, interpret and evaluate texts through the study of literature in English. • Enable learners develop an understanding of literal meaning, relevant contexts and of the deeper themes or attitudes that may be expressed. • Enable learners to learn to recognise and appreciate the ways in which writers use English to achieve a range of effects, and will be able to present an informed, personal response to the material they have studied.
KEY FEATURES	<ul style="list-style-type: none"> • Cambridge IGCSE Literature (English) offers learners the opportunity to read, interpret, evaluate, and respond to a range of literature in English. • The range includes drama, prose, and poetry from the works of Shakespeare to contemporary literature. • This course enables learners to deepen their understanding and appreciation of the ways in which writers use English to express meaning and achieve effects. • Cambridge IGCSE Literature (English) will stimulate learners to read for pleasure and to explore wider and universal issues, promoting a better understanding of themselves and the world. Cambridge IGCSE Literature (English) is accepted by universities and employers as proof of knowledge and understanding of literature in English. Our programmes balance a thorough knowledge and understanding of a subject and help to develop the skills learners need for their next steps in education or employment.
EXAMINATION PAPERS	<p>Paper 1: 1 hour 30 minutes Poetry and Prose 50 marks ❖ Two questions on two texts: one Poetry and one Prose Externally assessed</p> <p>Paper 2: 1 hour 30 minutes Drama 50 marks ❖ Two questions on two texts Externally assessed.</p>
RELATED CAREERS	This is a broad subject that, with other set skills may lead to librarianship, archiving, bookselling, information and research, tourism, events management, social work, youth work, probation work, human resources, retail management and sales. PR, advertisement industries, Law, Diplomacy, media and journalism, teaching, communication field...
SKILLS REQUIRED	Skills in exploration of wider and universal societal issues, an understanding of themselves and of the world around them.

SUBJECT	FRENCH
PAPER CODE	0520
EXAMINATION BOARD	Cambridge International Examinations
AIMS / OBJECTIVE	<ul style="list-style-type: none"> ❖ develop the ability to communicate effectively using the target language. ❖ offer insights into the culture and society of countries where the language is spoken. ❖ develop awareness of the nature of language and language learning. ❖ encourage positive attitudes towards speakers of other languages and a sympathetic approach to <ul style="list-style-type: none"> • other cultures and civilizations. • provide enjoyment and intellectual stimulation. ❖ Develop transferable skills (e.g., analysis, memorizing, drawing of inferences) to complement other areas of the curriculum. ❖ Form a sound base of the skills, language and attitudes required for progression to work or further study, either in the target language or another subject area.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Developing effective language learning and communication skills ❖ Exposure to the French culture and lifestyle
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ P1: Listening (45 minutes) ❖ P2: Reading (1 hour) ❖ P3: Speaking (15 minutes) ❖ P4: Writing (1 hour)
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Interpreter, translator, tourism sector, travel agencies, working with the airlines, teacher, diplomats, ambassadors and working in France or in a francophone country
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Develop the ability to listen and to understand the spoken language in a range of contexts and a variety of styles. ❖ Reaching and responding to different types of written language ❖ Communicating in writing ❖ Understanding and applying a range of vocabulary and structures ❖ For students taking the optional paper (paper 3 speaking) Communicating in speech for different purposes.

SUBJECT	GERMAN
PAPER CODE	0525
EXAMINATION BOARD	Cambridge International Examinations
AIMS / OBJECTIVE	<ul style="list-style-type: none"> ❖ develop the ability to communicate effectively using the target language. ❖ offer insights into the culture and society of countries where the language is spoken. ❖ develop awareness of the nature of language and language learning. ❖ encourage positive attitudes towards speakers of other languages and a sympathetic approach to- <ul style="list-style-type: none"> • other cultures and civilization. • provide enjoyment and intellectual stimulation. ❖ Develop transferable skills (e.g., analysis, memorizing, drawing of inferences) to complement other areas of the curriculum. ❖ <ul style="list-style-type: none"> ❖ form a sound base of the skills, language and attitudes required for progression to work or further study, either in the target language or another subject area.

KEY FEATURES	Developing effective language learning and communication skills ❖ Exposure to the German culture and lifestyle
EXAMINATION PAPERS	❖ P1: Listening (45 minutes) ❖ P2: Reading (1 hour) ❖ P3: Speaking (15 minutes) ❖ P4: Writing (1 hour)
RELATED CAREERS	❖ Interpreter, translator, tourism sector, travel agencies, working with the airlines, teacher, diplomats, ambassadors and working in Germany or in a German Speaking country
SKILLS REQUIRED	❖ Develop the ability to listen and to understand the spoken language in a range of contexts and a variety of styles. ❖ Reaching and responding to different types of written language ❖ Communicating in writing ❖ Understanding and applying a range of vocabulary and structures

SUBJECT	ENVIRONMENTAL MANAGEMENT
PAPER CODE	0680
EXAMINATION BOARD	Cambridge International Examinations
AIMS / OBJECTIVE	Acquire: ❖ Knowledge of natural systems which make life possible on Earth. ❖ An understanding that humans are part of these systems and depend on them. ❖ An appreciation of the diverse influences of human activity on natural systems ❖ An awareness of the need to manage natural systems. ❖ An understanding of sustainable development to meet the needs of the present, without compromising the ability of future generations to meet their own needs
KEY FEATURES	❖ Designed to develop an understanding of both the natural and the human environment
EXAMINATION PAPERS	❖ P1: Theory (1 hour 45 minutes) ❖ P2: Management in Context (1 hour 45 minutes)
RELATED CAREERS	❖ Environmental consultant ❖ Geographical information systems officer ❖ Planning and development surveyor ❖ Town planner
SKILLS REQUIRED	❖ Be able to make use of information from the source material to help illustrate issues of environmental management ❖ Be able to process data and analyse it.

SUBJECT	GLOBAL PERSPECTIVES
PAPER CODE	0457

EXAMINATION BOARD	Cambridge International Examinations
AIMS / OBJECTIVE	<p>Enable learners to:</p> <ul style="list-style-type: none"> ❖ Become independent and empowered to take their place in an ever-changing, information-heavy, interconnected world. ❖ Develop an analytical, evaluative grasp of global issues and their causes, consequences, and possible courses of action. ❖ Consider important issues from personal, local and/or national and global perspectives and understand the links between these.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Designed to develop an understanding Local and Global issues affecting humanity.
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Component 1 Written Examination 1 hour 15 minutes. ❖ Component 2 Individual Report – Research. ❖ Component 3 Team Project – Research and collaboration.
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Foreign Service/Diplomacy (United Nations, etc.) ❖ Government Agencies/Civil Service ❖ Government contracting ❖ Research Organizations/ "think-tanks" (Center for Strategic and International Studies, Council on Foreign Relations, Foreign Policy Research Institute, Center for Global Development, etc.)
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Information handling and analysis ❖ Investigation skills and making judgements. ❖ Knowledge and understanding

SUBJECT	PSYCHOLOGY
PAPER CODE	1PS0
EXAMINATION BOARD	Edexcel International Examinations
AIMS / OBJECTIVE	<p>Enable learners to:</p> <ul style="list-style-type: none"> ❖ The aims and objectives of this qualification are to enable students to: ❖ use specialist vocabulary, psychological concepts, terminology and convention to engage in the process of psychological enquiry. ❖ acquire knowledge and understanding of psychology, developing an understanding of self and others, and how psychological understanding can help to explain everyday social phenomena ❖ understand how psychological research is conducted, including the role of scientific method and data analysis ❖ present information, develop arguments and draw conclusions through a critical approach to psychological evidence, developing as reflective thinkers ❖ develop an understanding of the relationship between psychology and personal, moral, social and cultural issues, and develop an understanding of ethical issues in psychology ❖ develop an understanding of psychological issues, the contribution of psychology to individual, social and cultural diversity, and how psychology contributes to society.
KEY FEATURES	<ul style="list-style-type: none"> ❖ Students will gain knowledge and understanding of key features of the following core areas ❖ of psychology through the study of the compulsory and optional topics in this specification, ❖ including research methods: ❖ biological – an understanding of biological concepts in

	<p>psychology, including neuroscience</p> <ul style="list-style-type: none"> ❖ and genetics as contributors to behaviour ❖ cognitive – an understanding of thought, information and mental processing as ❖ contributors to behaviour ❖ social – an understanding of the social area of psychology, the impact of social and ❖ environmental factors on behaviour and the influence of groups ❖ developmental – an understanding of how individuals change throughout their lives, with a ❖ particular focus on childhood and how both nature and nurture can affect individuals ❖ individual differences – an understanding of the complex nature of human behaviour and ❖ experiences and why and how people are different.
EXAMINATION PAPERS	<ul style="list-style-type: none"> ❖ Paper1 Written Examination 1 hour 45 minutes. (55% of the qualification) ❖ Paper2 Written Examination 1 hour 20 minutes. (45% of the qualification)
RELATED CAREERS	<ul style="list-style-type: none"> ❖ Clinical psychologist. ❖ Counselling psychologist. ❖ Education mental health practitioner. ❖ Educational psychologist. ❖ Forensic psychologist. ❖ Further education teacher. ❖ Health psychologist. ❖ High intensity therapist.
SKILLS REQUIRED	<ul style="list-style-type: none"> ❖ Information handling and analysis ❖ Investigation skills and making judgements. ❖ Knowledge and understanding

Subject Requirements for Various University Courses

It might be too early for a 14-year-old to make a firm decision on his / her career choice. However, guided by parents, teachers and professionals in the field, the pupil can still make a good decision.

The chart given below shows a plausible but certainly not exhaustive list of subjects that will be useful for a particular career. The information in the chart has been compiled following a survey of British Universities. This information will be useful for choosing the subjects at IGCSE level. With the right combination of subjects, you can keep your Higher Education options open.

POSSIBLE UNIVERSITY COURSES & ATTENDANT SUBJECTS AT THE SENIOR SCHOOL

BIOLOGICAL SCIENCES

Agriculture	Horticulture
Bio - Geography	Marine Biology
Botany	Microbiology
Ecology	Soil Science
Genetics	Zoology

← Biology/ Geography	Chemistry	Maths	Physics
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CHEMICAL SCIENCES

Biochemistry	Chemical Engineering
Chemistry	Chemical Physics
Colour Chemistry	

← Chemistry	Maths	Physics	Biology
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SOCIAL SCIENCES

Clinical psychologist
Counselling psychologist
Education mental health practitioner
Educational psychologist
Psychologist
Further education teacher
Health psychologist
High intensity therapist
Psychological wellbeing practitioner
Sport and exercise psychologist
Market Researcher
Neuroscientist
Police Officer

← Psychology with any other relevant subject
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Acoustical Eng.	Electronics
Aeronautical Eng.	Mechanical Engineering
Agricultural Eng.	Mining
Bio Eng.	Production Engineering
Chemical Eng.	Surveying
Civil Engineering	Mechatronics
Electronic Eng.	Architectural Engineering
Computer Eng.	

← Maths	Physics	Chemistry	Computing/Art/ Economics / Geography
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ENVIRONMENTAL STUDIES

Archaeology	Forestry
Environmental - Architecture	Oceanography
Ecology	Safety and Health

← Chemistry	Maths	Physics	Biology/ Geography
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GEOLOGICAL SCIENCE

Geology	Mining
Geophysics	

← Chemistry	Maths	Physics	Biology / Geography
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MATERIAL SCIENCES

Material Sci. Engineering Material Technology	Material Engineering Polymer Science
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Maths	Physics	Chemistry	Computing / Economics
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**MATHEMATICS AND ICT**

Computing Mathematics Applied Maths	Statistics Pure Maths
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Maths	Physics	Computing	Economics
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**MEDICAL SCIENCES**

Bacteriology Biochemistry Environment Health Genetics Nursing	Nutrition & Food Science Optometry Pharmacology Physiology Bio-Medical Engineering
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Biology Food Studies	Chemistry	Maths	Physics	Human Biology
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MEDICINE & DENTISTRY

Biology	Chemistry	Physics	Human Biology
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**PHYSICAL SCIENCES**

Acoustics Astronomy Biophysics Chemical Physics	Electronics Energy Technology Geophysics Physics
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Physics	Maths	Chemistry	Biology / Geography
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ACTUARIAL SCIENCES

Maths / Statistics	Economics	Accounts
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**LAW /BUSINESS / FINANCE**

Law Banking Insurance Business Administration Management Studies Forensic / Criminal Law	Politics Accounts Economics
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Law	Economics	Accounts Business Studies	English/Literature
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**MUSIC**

Music systems engineering Music/Acoustics Creative Music sound/Computer technology Photographic/Digital multimedia Music/Art History Music/Film studies Music Industry Management Music marketing, production and recording
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Music	Art	Literature English History	Business Studies ICT Physics
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DRAMA

Drama and theatre studies
 Dance/Education
 Dance/Media Communication
 Drama and Media studies
 Drama/Film Studies
 Drama/Marketing
 Drama/Sociology
 Theatre Design

← Drama	Literature English	History Art Music	Economics Business studies
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PHYSICAL EDUCATION

Sports science/study
 Sports wear
 Sports marketing

← Physical Education	Biology	Chemistry	English
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ART AND DESIGN

Advertising
 Architecture
 Marketing/Graphic Design
 Landscape Design
 Publishing and media
 Textile/Fashion/Furniture/Interior Designing
 Gemology/Jewelry making

← Art & Design	English History Geography	Chemistry Physics	Business Economics Accounts
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LANGUAGES

Media and communication
 Interpreter
 Journalism
 Tourism
 Linguistics
 International relations
 Performing Arts
 Media studies

← French German	Hindi Gujarati	Kiswahili English Literature	Business Economics
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REFERENCES**Useful Publications**

Which way now – Magazines for Yr. 9 students designed as a workbook which leads students through stages of making their choices at age 14.

Access online www.connexious-direct.com/whichwaynow

Useful websites .

Psychometric tests

Eclips - Database on job titles and general career information

www.4you2.org.uk

KUDOS MULTIMEDIA

KUDOS ONLINE

CASCADES

FAST TOMATO – Questionnaires about self and career ideas.

Information on lifestyle and career www.connexious-direct.com

Help with school subjects and revision www.bbc.co.uk/schools/website/11-16

Information on all qualifications and subjects available.

www.cie.org/IGCSE

OSHWAL ACADEMY NAIROBI JUNIOR HIGH

KEY STAGE IV SUBJECT SELECTION

NAME OF STUDENT: _____

CLASS: _____ ADMISSION NO: _____

GROUPS	SUBJECT CHOICE
COMPULSORY SUBJECTS	MATHEMATICS AND ENGLISH LANGUAGE
GROUP I	
GROUP II	
GROUP III	
GROUP IV	
GROUP V	
GROUP VI	
GROUP VII MODERN FOREIGN LANGUAGES French, German, Hindi, Gujarati Swahili (select one)	

SIGNATURE OF STUDENT: _____

SIGNATURE OF PARENT: _____

DATE: _____

OSHWAL ACADEMY NAIROBI JUNIOR HIGH

KEY STAGE IV SUBJECT SELECTION FOR

NAME OF STUDENT: _____

CLASS: _____ADMISSION NO: _____

PRIVATE SUBJECT ENTRY AND UNDERTAKING FORM

After consultation with my parents/guardian, I have decided to enter a private subject registration in _____ **(indicate subject)** for IGCSE in 2022. I understand that I have to organize my own private studies for the extra subject I have taken and wish to sit for in final IGCSE examinations. The school will monitor my performance through the internal assessments. I promise to seek assistance and guidance from the subject teachers whenever I need it.

STUDENT NAME: _____ **SIGN:** _____ **DATE:** _____

PARENTS/GUARDIAN: _____ **SIGN:** _____ **DATE:** _____

HOD: _____ **SIGN:** _____ **DATE:** _____

TEACHING&LEARNING COORDINATOR: _____ **SIGN:** _____

DATE: _____

HEAD OF SCHOOL: _____ **SIGN:** _____ **DATE:** _____

**OSHWAL ACADEMY NAIROBI
JUNIOR HIGH**

KEY STAGE IV SUBJECT SELECTION

NAME OF STUDENT: _____

CLASS: _____ **ADMISSION NO:** _____ **SECTION:** _____

CHANGE OF IGCSE SUBJECT(S) FORM

(Deadline to be communicated)

After consultation with my parents/guardian, I have decided to change my IGCSE subject(s) as follows:

CURRENT SUBJECT	GROUP	CURRENT SUBJECT HOD SIGNATURE	CURRENT SUBJECT TEACHER SIGNATURE	NEW SUBJECT	GROUP	NEW SUBJECT HOD SIGNATURE	NEW SUBJECT TEACHER SIGNATURE

I will be responsible for updating all the notes for the new subject(s) taken and I will be proactive in consulting subject teachers to assist me in catching up with my studies.

STUDENT NAME: _____ **SIGN:** _____ **DATE:** _____

PARENTS/GUARDIAN: _____ **SIGN:** _____ **DATE:** _____

TEACHING&LEARNING COORDINATOR: _____ **SIGN:** _____

DATE: _____

HEAD OF SCHOOL: _____ **SIGN:** _____ **DATE:** _____

N0	SUBJECT NAME	EXAM BODY	SUBJECT CODE
1.	ACCOUNTS	CAMBRIDGE	0452
2.	ART & DESIGN	CAMBRIDGE	0400
3.	BIOLOGY	CAMBRIDGE	0610
4.	BUSINESS STUDIES	CAMBRIDGE	0450
5.	CHEMISTRY	CAMBRIDGE	0620
6.	COMPUTER SCIENCE	CAMBRIDGE	0478
7.	ECONOMICS	CAMBRIDGE	0455
8.	ENGLISH LANGUAGE	CAMBRIDGE	0500
9.	LITERATURE IN ENGLISH	CAMBRIDGE	0475
10.	ENVIRONMENTAL MANAGEMENT	CAMBRIDGE	0680
11.	FOOD AND NUTRITION	CAMBRIDGE	0648
12.	FRENCH	CAMBRIDGE	0520
13.	GERMAN	CAMBRIDGE	0525
14.	GEOGRAPHY	CAMBRIDGE	0460
15.	GLOBAL PERSPECTIVES	CAMBRIDGE	0457
16.	HINDI	CAMBRIDGE	0549
17.	SWAHILI	CAMBRIDGE	262
18.	HISTORY	CAMBRIDGE	0470
19.	INFORMATION & COMMUNICATION TECHNOLOGY (ICT)	CAMBRIDGE	0417
20.	MATHEMATICS	CAMBRIDGE	0580
21.	PHYSICS	CAMBRIDGE	0625
22.	ADDITIONAL MATHEMATICS	CAMBRIDGE	0606
23.	PHYSICAL EDUCATION	CAMBRIDGE	0413
24.	DRAMA	CAMBRIDGE	0411
25.	MUSIC	CAMBRIDGE	0410
26.	HUMAN BIOLOGY	EDEXCEL	4HB1
27.	GUJARATI	EDEXCEL	1GU0
28.	PSYCHOLOGY	EDEXCEL	1PS0