



CHENGELO SCHOOL
AS A WITNESS TO THE LIGHT

FORM 3 SUBJECT OPTIONS

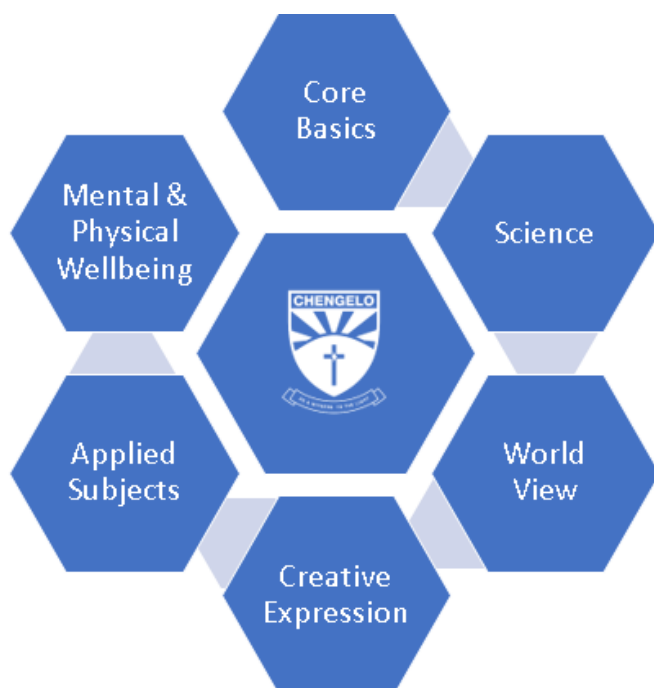
INTRODUCTION

In Forms 4 and 5 students have a degree of choice as to which subjects they wish to continue to study to external examination level. Subject preferences need to be indicated within term 2, by which stage it is hoped that students will have sat down with their parents to discuss these options carefully. Therefore, the purpose of this booklet is to give you some further information on IGCSE and the content of the courses studied so that you are in a better position to make an informed choice for your child's future.

Before Term 3 begins, there will be time for all students to be subsequently interviewed regarding the choices they have made to check their suitability and viability. In making this decision, students, parents and staff must take into account the following factors:

- What subjects are they good at? (Refer to term and examination grades).
- Which subjects are they expected to achieve in? (Refer to indicator/target grades).
- What subjects do they enjoy?
- Which subjects are important for their overall development?
- Are they better suited to assessment via coursework or examination?
- Which subjects can the school viably offer?

At Chengelo, we believe it is important that students continue to pursue a well-rounded curriculum, and indeed, it is increasingly the case that universities look for evidence of a broad basis to prospective undergraduates' general education. Thus, we are promoting the curriculum model below, which is designed to guide our students to make the best choices possible for their future studies.



The school reserves the right to make judgments about the viability of any course and does not guarantee that all of the courses mentioned will run in every academic year group.

UNIVERSITY PREREQUISITES

For more information about university prerequisites, and how IGCSE choices can impact a student's future prospects, please see the following:

1. For consideration of the UK university system, please visit:
<https://www.informedchoices.ac.uk>
2. For entrance requirements to the University of Zambia, please visit:
<https://www.unza.zm/academics/admission-requirements>
3. For the procedure to apply to universities in the USA, please visit:
<https://www.studyusa.com/en/a/34/applying-for-admission-to-a-u-s-program>
4. If you are interested in further study in Australia, as a starting point, please see the appendix to this booklet and visit the following links:
[Cambridge International in Australia](#)
<https://www.studyinaustralia.gov.au/english/apply-to-study/entry-requirements>
<https://www.thegordon.edu.au/international/future-international/international-entry-requirements/country-equivalencies>
5. For more information about further study in Canada, please see the appendix to this booklet, and visit the following link:
[Cambridge International students in Canada](#)
<https://www.cambridgeinternational.org/programmes-and-qualifications/recognition-and-acceptance/country/canada>
6. If you are interested in other countries not listed above, please visit:
<https://www.cambridgeinternational.org/programmes-and-qualifications/recognition-and-acceptance/country/>

It is worth noting that some universities prefer applicants to have studied a second language at IGCSE level. Furthermore, our most able students in science are encouraged to continue their study of all three sciences at IGCSE level, as this is also considered favourably by a number of further education establishments.

THE CAMBRIDGE INTERNATIONAL CURRICULUM

Chengelo is a registered examinations centre for Cambridge International Examinations IGCSE (International General Certificate of Secondary Education). IGCSEs are internationally recognised and are equivalent to the Zambian O-levels. In all subjects, they encourage learners to be confident, responsible, reflective, innovative, and engaged.

However, it should be noted that the Cambridge system is designed to be a four-year course, where students lay a solid general foundation in the IGCSE years, and then go on to specialise in three or four subjects at A Level. This, in turn, enables students to apply to the world's best universities, and also gives them a much better chance to achieve scholarships to these high-level universities.

“designed to be a
four-year course”

So, as students make their decisions at this stage, they should consider them as stepping stones to their future choices, and should aim where possible to avoid limiting their future career chances by choosing as wide a range as possible.

A NOTE ON IGCSE GRADING

Final examinations are sat in October/November, although in some courses, coursework over the two years contributes a considerable amount towards the final grade. Our staff are qualified to assess this coursework internally, which is then verified by an external moderator.

IGCSEs are graded on an eight-point scale of A* to G with an A* being awarded for outstanding performance in that subject. These grades compare with the Zambian O-level system as follows:

IGCSE	O-level
A*	1 Distinction
A	2 Distinction
B	3 Merit
C	5 Credit
D	7 Satisfactory
E	8 Satisfactory

In some subjects, the syllabus content is divided into 'core' and 'extended' material. Students will be set according to their ability by the relevant subject teachers, and the school retains the right to decide which level the pupil is entered for.

What is the difference between core or extended level?

Students following the core syllabus are entered for the core level examinations and may achieve grades C-G. More able students sit the extended level papers aiming for Grades A*-B. Grades C, D and E at core or extended level are equivalent and the final statement of results does not mention the level at which the pupil was entered.

WHAT IS THE ICE?

Cambridge ICE – or International Certificate of Education - is a group award for Cambridge IGCSE. The qualification is particularly popular in the USA.

The Cambridge website states that the award “allows schools to offer a broad and balanced curriculum by recognising the achievements of learners who pass examinations in at least seven Cambridge IGCSE subjects from five different subject groups, including two different languages.”

The Chengelo curriculum is modelled on the same concepts, and therefore, students who select French as a subject option (or who are able to sit an IGCSE in a second language) will also qualify for this award, without having to sit extra examinations.

More information about the ICE can be found here:

[Cambridge ICE \(cambridgeinternational.org\)](https://www.cambridgeinternational.org)

<https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-upper-secondary/cambridge-ice>

MAKING THE BEST CHOICES FOR YOUR CHILD

The following subjects are compulsory for all students in Forms 4 and 5:

Core Basics	First Language English (IGCSE)
	English Literature (IGCSE)
	Mathematics (IGCSE)

Mental & Physical Wellbeing	PSCD
	PE & Games

Then, in order to achieve a well-balanced curriculum over the next two years, students are advised to select one option from each of the columns below.

Science	✓	Block A	✓	Block B	✓	Block C	✓
Triple Science		French		Geography		Economics	
Co-ordinated Science (Double)		Design & Tech.		Business Studies		Business Studies	
		Art & Design		History		Agriculture	
		Physical Education		Religious Studies		Computer Science	
		Geography				Design & Tech.	

It is **not** possible to take the same subject twice (i.e. Design & Technology in Block A and Block C, Business in Block B and Block C and Geography in Block A and Block B)

Note: Parents and students are advised that no changes to IGCSE subject selections will be allowed after the first week of Form 4. Please make thoughtful and firm decisions during the selection process, which starts during the mid-term of Term 2.

When making choices, please bear in mind the following **important** points:

1. The 'Triple Science' option requires students to take biology, chemistry and physics to an extended level. Thus, it is advised for those students who are currently achieving As and Bs in both science and math, and are passionate about science.
2. Design & Technology and Agriculture are both courses that involve a considerable amount of coursework, and therefore it is advised that students take only one of these options, rather than both, due to the time commitment involved.
3. Similarly, Art & Design and Design & Technology are both heavy on coursework and therefore students are discouraged from taking them together.
4. ICT provision is mapped across the curriculum, and students can expect to develop their ICT skills through their other courses, so it is no longer compulsory to take a technology-related subject.

All Form 3 choices will be submitted ONLINE via the Google Form (link emailed to all Form 3 parents). For new students the choices can be done online or in-person.

CORE BASICS



CHENGELO SCHOOL
AS A WITNESS TO THE LIGHT



ENGLISH LANGUAGE (0500) and LITERATURE (ENGLISH) (0475)

AIMS: The purpose of English in the Chengelo curriculum is to empower our students to become confident and competent communicators. It aims to develop creative thought and analytical skills, and to hone sensitive, perceptive responses to both texts and life situations. Further benefits of studying English are heightened critical thinking and an ability to make wise, informed decisions; both will become indispensable companions for our nation's future leaders.

THE COURSE: Students follow one integrated course over the two years, which will result in two entirely separate IGCSEs – English Language and Literature (English). English Language requires an in-depth analysis of varied written texts, an ability to write coherently in different forms and an aptitude for extracting information and re-presenting it in a different form. In their study of literature, students will look at texts in all three genres: drama, poetry and prose. They will refine their analytical skills, and develop a confident critical response to the texts read.

Reasons to study ENGLISH include the following:

- i) You want to accurately convey information in either written or spoken form to colleagues, employees or bosses. You want to make an impression in your workplace. You want to write effective analytical essays in your other IGCSE subjects.
- ii) You wish to enjoy a career in law, history, marketing, editing, media, publishing, advertising, public relations or education.
- iii) You wish to become a writer, journalist, playwright or songwriter. You want to be someone who is eloquent, wise, coherent, persuasive and popular.

English Language:

Assessment	Focus	Length	When?	Percentage
Exam	Response to reading	2 hours	October/November 2026	50%
Coursework	Writing	-	Over the two years	50%

English Literature:

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Prose and poetry	1 hr, 30 mins	October/November 2026	50%
Exam (Paper 3)	Drama	45 mins	October/November 2026	25%
Exam (Paper 4)	Responding to an unseen text	1 hr, 15 mins	October/November 2026	25%

MATHEMATICS (0580)

AIMS: The aims of the IGCSE Mathematics course are to enable students to develop their mathematical knowledge and oral, written and practical skills in a way that encourages confidence and provides satisfaction and enjoyment.

THE COURSE: Students work towards the examinations based on a syllabus that does not include coursework. They will study a number of topics including square-roots and cubes, standard form, estimation, limits of accuracy, ratio, proportion, rate, percentages, money, personal and household finance, graphs, algebra, functions, indices, solutions of equations and inequalities, geometry, trigonometry, statistics, probability, matrices, linear programming, constructions, mensuration, locus, trigonometry, vectors and transformations. Most students follow the extended syllabus, while those who find mathematics particularly challenging may follow the core syllabus. The final examinations are available at two levels: core curriculum with grades C-G available and extended curriculum with grades A*-E being available. Some particularly able mathematicians may also be offered the opportunity to sit Additional Mathematics in Form 5.

Reasons to study MATHEMATICS include the following:

- i) A grounding in this subject will equip you to study further in any discipline.
- ii) Most further education institutions and employers insist that candidates have passed mathematics with a grade C or above, making it a vital subject.
- iii) You wish to go on to study physics, architecture, engineering, accounting, economics, business etc at a higher level.

Core:

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Non-Calculator	1 hr, 30 mins	October/November 2026	50%
Exam (Paper 3)	Calculator	1 hr, 30 mins	October/November 2026	50%

Extended:

Assessment	Focus	Length	When?	Percentage
Exam (Paper 2)	Non-Calculator	2 hrs	October/November 2026	50%
Exam (Paper 4)	Calculator	2 hrs	October/November 2026	50%

PHYSICAL AND MENTAL WELLBEING

(NON-EXAMINED
SUBJECTS)



CHENGLO SCHOOL
AS A WITNESS TO THE LIGHT



PERSONAL SOCIAL CHARACTER DEVELOPMENT (PSCD)

At Chengelo, we take our students' physical and mental wellbeing seriously. PSCD is taught to all years, from Form 1 to Upper Sixth, providing a crucial outlet and safe space for students to explore their emerging personalities, reflect on their responses to the situations they face at school and prepare for the challenges they will encounter as they grow up.

During Form 3 the decision-making process is emphasised in anticipation of the option choices. Relationships become even more important at this stage, including those with the opposite sex, and much time is devoted to discussions of this area.

*“preparing for
adulthood”*

Forms 4 & 5 move towards preparing for adulthood in terms of decisions for the future, relationships and other important issues of life. As well as some traditional teaching methods, discussions, role-play, small group work and other methods are used to encourage students to think for themselves about growing up and moving towards maturity.

In the Sixth Form, this continues to build on the firm foundation established in the lower years, preparing students for university study and the challenges they may face as young Christian adults in the modern world, both in Zambia and abroad.

PHYSICAL EDUCATION

P.E. is taught as a curriculum subject throughout the seven years at Chengelo. The school is fortunate in having excellent facilities, and these include a cricket field, swimming pool, two tennis courts, and football, rugby, hockey and netball pitches. A recent development is an all-weather astroturf. We also have two squash courts, two basketball courts, volleyball courts and athletics facilities, which enables our students to work on their physical wellbeing in the ways that they might enjoy most.

*“a wide range
of activities”*

As a result of the extensive facilities, students enjoy a wide range of activities in P.E. lessons. Typically, a pupil may participate in athletics, basketball, cricket, cross country, football, hockey, netball, rounders, rugby, softball, swimming and volleyball.

The Physical Education Department is also committed to extra-curricular sport. There are numerous clubs and activities taking place after school and at the weekends. Where possible, “friendly” matches are arranged against other schools. Chengelo teams have always competed in the International Schools Association of Zambia (ISAZ) Sports Festivals held annually in Lusaka or the Copperbelt, and have an excellent reputation in these competitions.

ENRICHMENT

Various extra-curricular activities are now being done during weekday afternoons. These include chess, aerobics, dance, archery, cooking, crafts, cycling, debate, entrepreneurship, environment, STEM, ICT, fishing, among others. Students choose which enrichment activities they want to do for each term.

SCIENCE



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AS A WITNESS TO THE LIGHT



CO-ORDINATED SCIENCE – DOUBLE (0654)
BIOLOGY (0610)
CHEMISTRY (0620)
PHYSICS (0625)

AIMS: Science prepares students to face the world at large. It gives them the opportunity to apply problem solving skills and perfect mathematical skills essential for any career choice. The three sciences complement each other in their build up of knowledge. For example, in order to be able to understand the biology of respiration, you also need to understand the chemical equations underpinning the science. To understand breathing, a knowledge of the physics of pressure is necessary. Thus, for any adequate understanding of science, it is important to cover all three sciences at IGCSE level.

THE COURSE: In Form 3, students have begun their IGCSE courses in biology, chemistry and physics. Our most able students are advised to take all three science subjects as individual sciences (the triple option). For those students who are less confident in science, the co-ordinated (double) option is most appropriate. Practical work remains fundamental to all of the IGCSE sciences, and it is assessed through the 'Alternative to Practical' paper in each subject. To support this, there are several well-equipped laboratories and a well-stocked preparation room.

Reasons to study all three SCIENCES include the following:

- i) You have more options left open to you: even if you change your mind about your career later, you will still have the necessary prerequisites for the widest range of courses possible.
- ii) Science enhances your understanding of the world in which you live, and also helps you appreciate the majesty of God through examining his creation.
- iii) Science develops thinking skills, which can be applied in any context. It gives you the background knowledge you may need to solve everyday practical problems, no matter the career you desire.

"Biology provides you with knowledge you can actually use in your day-to-day life: it benefits you with advice on and knowledge about your health."



ASSESSMENT OPTIONS:

Co-ordinated Science (Double): available at core or extended level

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1 or 2)	Multiple choice	45mins	October/November 2026	30%
Exam (Paper 3 or 4)	Theory: Short answer & structured questions	2 hrs	October/November 2026	50%
Exam (Paper 6)	Alternative to practical	1hr, 30mins	October/November 2026	20%

Biology, Chemistry and Physics: each subject available at core or extended level

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1 or 3)	Multiple choice	45 mins	October/November 2026	30%
Exam (Paper 2 or 4)	Theory: Short answer & structured questions	1 hr, 15mins	October/November 2026	50%
Exam (Paper 6)	Alternative to practical	1hr, 30mins	October/November 2026	20%

"Water is H₂O; H₂O is chemistry; therefore, chemistry is life. We all need some chemistry in our life."



"No subject has magnets like physics: that's why it's attractive!"



WORLD VIEW



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AS A WITNESS TO THE LIGHT



GEOGRAPHY (0460)

AIMS: Geography is basically the study of 'places', 'people' and often how they interact together. It is regarded as a bridging discipline between natural and social sciences. The increased knowledge and understanding of how the world 'operates' will be invaluable in many different careers from business to game ranching. Geography lessons at Chengelo are the first steps to encourage students to go and see the world at first-hand for themselves!

THE COURSE: Making geography alive by the use of case studies and fieldwork is the key to its success. Case studies from all over the world are used as well as Zambian ones, giving the students a well-rounded global view of the subject. Geography is also a practical subject and so field trips are an essential part of the course, including a river study at Kundalila Falls. Along their geographical journey, students will pick up skills such as map work, research skills, and analysis of statistical information and diagrams.

Reasons to study GEOGRAPHY include:

- i) You enjoy learning about real places and people, and enjoy practical application of your learning.
- ii) You are interested in understanding how the world operates and what your role is in improving the environment we live in.
- iii) Geography opens a number of career paths including environmental science, tourism, demography, geology, meteorology, social work, economics, town and country planning.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Geographical Themes	1 hr, 45 mins	October/November 2026	45%
Exam (Paper 2)	Geographical Skills	1hr, 30mins	October/November 2026	27.5%
Exam (Paper 4)	Alternative to coursework	1hr, 30mins	October/November 2026	27.5%

"Geography is a very interactive subject, expanding on topics learnt from Form 3, with skills that can be applied on a daily basis."



HISTORY (0470)

AIMS: History enables students to gain a better understanding of human activities in the twentieth century. Students learn about the causes and consequences of key historical events. Such knowledge promotes tolerance, a respect for other cultures and an enhanced understanding of the many problems (political, social and economic), which face our world today. It also equips students with the ability to use information accurately in order to support a coherent and logical argument; communicate in a clear and concise manner, and interpret different sources of information, appreciating the potential for distortion through bias and propaganda.

THE COURSE: Over two years, students cover a diverse range of topics. The focus is international and looks at international relations in the years 1919-1939; tension and co-operations since 1945, including the Vietnam War; Germany in the years 1918 to 1945; and America in the 1920s and 30s, including gangsters, flapper girls and African-American history.

Reasons to study HISTORY include:

- i) You enjoy finding out about the past, or you are interested in politics, society or just seeing how things were different in different places and at different times.
- ii) You enjoy reading about, investigating, reasoning and debating subjects, and often ask why things are the way they are today.
- iii) History opens a number of career paths including law, management administration, data analysis, accountancy, and business management.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Core Content + Depth Studies	2 hrs	October/November 2026	40%
Exam (Paper 2)	Source paper	2 hrs	October/November 2026	33%
Exam (Paper 4)	Alternative to coursework	1 hr	October/November 2026	27%

"Learn from your past, practise in the present, apply it to your future."



RELIGIOUS STUDIES (0490)

AIMS: The Religious Studies course focuses on religion from an academic perspective. The aim is to train students to think broadly, to challenge their personal beliefs and to increase their knowledge of both their own religion and others'. Further, it aims to promote an enquiring, critical and sympathetic approach as it provides students with an introduction to the challenging and varied nature of religion. It enables them to identify, investigate and respond to the fundamental questions of life.

THE COURSE: The course builds on the foundation laid in Forms 1 to 3, focusing on two main religions, Christianity and Islam. There are five main topics in each area of study: worship; beliefs and sacred writings; festivals, fasts, pilgrimage and historic places; family and rites of passage; and religion and social action.

Reasons to study RELIGIOUS STUDIES include:

- i) You want to understand the beliefs, values and traditions of religions, as well as learn to recognise and appreciate the contribution of religion in the formation of patterns of belief and behaviour
- ii) You want to be challenged: it will help you consider religious and other responses to moral and ethical questions.
- iii) Religious studies opens a number of career paths including law, sociology, psychology, teaching, ministry and caring professions.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Structured questions & stimulus response	1 hr, 45 mins	October/November 2026	50%
Exam (Paper 2)	Studied sections	1 hr, 45 mins	October/November 2026	50%

"Religious studies helps you to understand the religious perspective which helps to determine people's approaches to life."





CREATIVE EXPRESSION



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AS A WITNESS TO THE LIGHT

ART & DESIGN (0400)

AIMS: The Art and Design course encourages intuitive, imaginative and design thinking. It provides an introduction to artistic appreciation, and increases students' confidence as a result of their acquisition of new skills. It stimulates students' interest in environmental and cultural diversity, and enables them to express themselves through a variety of artistic media.

THE COURSE: At IGCSE, students are required to submit work for two papers from a wide range of choices, which include observational, interpretative and design study. Candidates will also produce a coursework portfolio on a subject they are passionate about, enabling them to have a degree of personal choice about the direction of their studies.

Reasons to study ART & DESIGN include:

- i) The imaginative and thinking skills you develop will help with problem solving in tactile, visual, critical and analytical faculties.
- ii) You enjoy expressing yourself through art, and find it a source of personal enrichment.
- iii) Art and Design opens up a number of career paths, including fashion designer, jeweller, interior designer, furniture designer, landscaper, architect, ceramist, computer graphics animator and game developer, commercial photographer, film producer, environmental conservationist, artist, art teacher/lecturer and advertising agent designer.

Assessment	Focus	Length	When?	Percentage
Coursework	Portfolio and final outcome	-	Over the course of the two years	50%
Exam	A supporting study and final outcome	8 hrs	September - November 2026	50%

"Art allows us to express ourselves freely; it's a subject that doesn't need studying, but rather practising to make perfect."



DESIGN & TECHNOLOGY (0445)

AIMS: The Design and Technology course aims to introduce students to the trajectory of product design, starting with exploring possible solutions to a problem, and then proceeding through from the design process to realisation (the actual making of the designed artefact). It aims to develop skills such as initiative, resourcefulness, enquiry and ingenuity.

THE COURSE: The course includes a balance of theory and practical work. A considerable part of the course focuses on the practical project in which students are able to see their ideas take shape first on paper, and then in reality. The syllabus covers a range of resistant materials such as metal (fabrication and machining), wood (including lathe work) and plastics.

Reasons to study DESIGN & TECHNOLOGY include:

- i) You would like to develop technical and design awareness.
- ii) You will be able to identify, consider and solve problems through creative thinking, planning and design by working with different media, materials and tools.
- iii) Design and Technology provides an ideal basis for further study and prepares students for careers such as architecture, industrial design and engineering. As such, it is suited to students who also enjoy physics and mathematics.

Assessment	Focus	Length	When?	Percentage
Coursework	Project	-	Over the course of the two years	50%
Exam (Paper 1)	Product design	1hr, 15mins	October/November 2026	25%
Exam (Paper 3)	Resistant materials	1 hr	October/November 2026	25%

"DT teaches you how to be tactical in the workshop and you learn about construction."



FRENCH (0520)

AIMS: Studying French offers an insight into the culture and civilisation of French-speaking countries. Knowledge of a foreign language is an asset to any student, providing opportunities to develop communication skills and an understanding of an influential foreign culture. French is particularly useful to those students whose careers may lead them to travel or to work in Northern Africa or Europe. A foreign language qualification is also required for entry to Higher Education by some colleges and universities outside Zambia.

THE COURSE: In IGCSE French, students develop the ability to use the language effectively for the purposes of effective communication, looking at a range of practical topics from getting around a city, to expressing an opinion on modern life's issues. They form a sound base in listening, speaking, reading and writing and are assessed in all four skills.

Reasons to study FRENCH include:

- i) I enjoy learning to speak a different language and learning about another culture.
- ii) I am interested in how language works and in using communication skills.
- iii) French opens a great many career opportunities including law, business management, marketing, interpreting and translating, business, trading and tourism, as it is the main language of communication in many African countries.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Listening	50 mins	October/November 2026	25%
Exam (Paper 2)	Reading	1 hr	October/November 2026	25%
Exam (Paper 3)	Speaking	10 mins	September - November 2026	25%
Exam: (Paper 4)	Writing	1 hr	October/November 2026	25%

"It's a practical subject, so it's not only 24/7 knowledge, but it's also fun, it has different branches, and it's a way of communicating with other people from around the world."



APPLIED SUBJECTS



CHENGELO SCHOOL
AS A WITNESS TO THE LIGHT



AGRICULTURE (0600)

AIMS: The Agriculture IGCSE course creates an increased awareness of man's sole dependence on nature and the ever-pending need to manage our environment in a sustainable manner. Furthermore, as Zambia increasingly looks to agriculture as a source of the country's development, the subject prepares students to become leaders in this field both at home and internationally. In recent years, Chengelo has seen more than one student become 'top of the world' in agriculture.

THE COURSE: The IGCSE syllabus builds on the study done in Forms 1-3, and includes topics such as soil science, crop production and protection, animal production and health, farm structures and machinery, agricultural economics, principles of plant growth and agriculture in a wider sense. The Chengelo Training Farm has both crop and animal production enterprises where students can observe and take part in various farm operations, while the school's vegetable gardens are the main site for practical assessment activities. Agriculture students are also privileged to visit the commercial farms on prior arrangement with farm owners.

Reasons to study AGRICULTURE include:

- i) You are interested in applying the concepts studied in the pure sciences in a practical way in order to provide for the basic human needs of food, clothing and shelter.
- ii) You are interested in the vast range of opportunities it opens up for research in academic and socio-economic spheres of human life.
- iii) Agriculture opens up a variety of career paths leading to jobs such as agricultural economists, agribusiness consultants, development consultants, farm managers, agricultural engineers, crop scientists, rangeland managers, and veterinarians etc.

Assessment	Focus	Length	When?	Percentage
Exam	Theory	1 hr, 45 mins	October/November 2026	70%
Coursework	Practical project	-	Completed over the course of the two years.	30%

"Agriculture is the easiest subject to take – you've done a lot of the notes in Forms 1-3. Plus, in the future, farmers will earn lots of money supplying the necessary food to the nation and abroad."



BUSINESS STUDIES (0450)

AIMS: The IGCSE Business Studies course gives a broad introduction to the business world and can prepare a student for many different careers. The course requires students to have an interest in the study of business and its operations. In addition, they need to be good at mathematics in order to help them understand calculations in finance; costing and analysis; break-even analysis; accounting; cash flow analysis; sales and profit forecasting and any other business calculations.

THE COURSE: The IGCSE syllabus is split into 6 sections: understanding business activity; people in business; marketing; operations management; financial information and decisions; and external influences on business activity. Field trips are made to business organisations to widen the scope of understanding.

Reasons to study BUSINESS STUDIES include:

- i. You want to run your own business or be involved in business.
- ii. You want to broaden your knowledge (e.g. psychology of work, finance, and marketing.)
- iii. Business studies opens up a number of career opportunities including management, accountancy, business, administration, training, consultancy, economics, marketing and business law.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Short answer and data response	1 hr, 30mins	October/November 2026	50%
Exam (Paper 2)	Case study	1 hr, 30mins	October/November 2026	50%

"Why study Business? It provides good practical skills that will set you up for a successful future."



COMPUTER SCIENCE (0478)

AIMS: The IGCSE Computer Science course enables learners to develop their understanding of the main principles of problem-solving using computers. It aims to develop computational thinking and understanding of the main principles of solving problems by using computers. It provides learners with the underpinning knowledge required for many other subjects in science and engineering, and the skills learnt can also be used in everyday life.

THE COURSE: The course focuses on students applying their understanding to develop computer-based solutions to problems using algorithms and a high-level programming language. It teaches students to think about what can be computed and how, and includes consideration of the data required. In addition, it teaches students the component parts of computer systems and how they interrelate, including software, data, hardware, communications and people, and leads them into an understanding that every computer system is made up of sub-systems, which in turn consist of further sub-systems.

Reasons to study COMPUTER SCIENCE include:

- i) Computers are having - and will continue to have - an impact on education, business, administration, communications and all aspects of everyday life. Certainly, computer technology will play an increasing role in the continuing development of Zambia.
- ii) Universities and colleges increasingly expect students to have a thorough grounding in ICT skills.
- iii) Computer science opens up a number of career opportunities in computer or computer-related fields such as surgery, informatics, networks or any internationally based industry.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Computer Systems	1 hr, 45mins	October/November 2026	50%
Exam (Paper 2)	Algorithms, Programming and Logic	1 hr, 45mins	October/November 2026	50%

"It is creative, challenging and makes you feel worthy and proud when you solve a complex problem. The only thing better than computer science is...? Nothing."



ECONOMICS (0455)

AIMS: The Economics IGCSE course is fairly new as it was introduced in 2021 at Chengelo, and has been introduced based on an increased demand for such courses from our students. The aims of the course are to enable students to know and understand economic terminology, concepts and theories; use basic economic numeracy and interpret economic data; use the tools of economic analysis; express economic ideas logically and clearly in a written form and apply economic understanding to current economic issues. This course is clearly designed to build a sound foundation for those students who wish to drive Zambia's economic development in the future.

THE COURSE: The course focuses on six key areas. Beginning with the basic economic problem, it moves on to the allocation of resources, and then considers the microeconomic decision makers and the government and the macroeconomy. Finally, it moves on to both economic development and international trade and globalisation. Thus, students gain a sound basic understanding of all key areas of the subject over the course of the two years.

Reasons to study ECONOMICS include:

- i. You want to develop an understanding of economic theory, terminology and principles in order to build an excellent foundation for advanced study in economics.
- ii. You want the ability to apply the tools of economic analysis and be able to take a greater part in decision-making processes in everyday life.
- iii. Economics is an increasingly important field of study in the modern world and can facilitate a number of career opportunities including business, accountancy, economic development and some branches of law.

Assessment	Focus	Length	When?	Percentage
Exam (Paper 1)	Multiple choice	45 mins	October/November 2026	30%
Exam (Paper 2)	Structured questions	2hrs, 15 mins	October/November 2026	70%

PHYSICAL EDUCATION (0413)

AIMS: All students at Chengelo take physical education lessons. However, this year students will also get the chance to take an IGCSE in physical education. Studying physical education as an academic subject enables students to develop their knowledge, skills and understanding of a range of relevant physical activities. In addition, it hones their ability to plan, perform and evaluate physical activities, cultivating an understanding of effective and safe performance. Further, it gives them an understanding of the role of sport and physical activity in society and in the wider world, essential for future careers in the world of sport management.

THE COURSE: The IGCSE Physical Education is not just about playing sport. It provides students with an opportunity to study both the practical and theoretical aspects of physical education. They will study anatomy and physiology; health, fitness and training; skill acquisition and psychology; and social, cultural and ethical influences. In addition, they will undertake four different physical activities chosen from at least two of seven categories: games, gymnastics, dance, athletics, outdoor and adventurous, swimming and combat activities.

Reasons to study PHYSICAL EDUCATION include:

- i. You enjoy playing sport and you would like to develop your skills in a practical way over the next two years. It is a particularly good qualification for those students who regularly represent the school at ISAZ events.
- ii. One of the fastest growing industries in many countries is now sport and fitness, so the skills learnt here can be advantageous to entrepreneurial activity in Zambia and beyond.
- iii. Physical education opens up a number of career opportunities in the sport and leisure industry; travel and tourism; teaching and coaching; sports medicine and physiotherapy; sports science and psychology; sports marketing and sports management.

Assessment	Focus	Length	When?	Percentage
Exam	Theory	1 hr, 45mins	October/November 2026	50%
Coursework	Practical performance	-	Over the course of the two years.	50%



CHENGLO SCHOOL
AS A WITNESS TO THE LIGHT