



Teesside High School

Education as it should be

Curriculum Guide, Year 10
2020-21

Art and Design

Students study the AQA GCSE Art and Design: Art, Craft and Design.

Which topics will my child cover during Year 10?

This title promotes learning across a variety of experiences and through various processes, tools, techniques, materials and resources to generate different kinds of evidence of working and outcomes. Emphasis is on an increased breadth of approach and students can work in the following media;

- Fine Art
- Textile Design
- Graphic Communication
- Photography.

Students will start creating a portfolio of work from the beginning of Year 10. The portfolio consists of an extended project (the theme of which will be set by the teacher while allowing students to follow their own creative path), and a body of supporting work. The first half of the year will concentrate on a series of skill-building projects which will enable students to work in a variety of creative areas, building the skills necessary to complete their extended project. In the second half of the spring term, students will embark on an extended project which will culminate in Year 11.

Are there any key assessments during the course of the year?

GCSE Art is assessed in two areas, a portfolio of work which is worth 60% of the final grade and an externally set task which is worth 40% of the final grade. Students in Year 10 will complete their portfolio at the end of the autumn term. Students will undertake two key assessments in Year 10 comprising of the following;

- 10 hour mock examination which takes place in November/ December.
- 10 hour externally set examination which takes place in May.

What format will the end of year assessment take?

Assessment will be based on the developing portfolio. All work is teacher-assessed in school, with final GCSE work verified by an external moderator in June.

My child has been identified as being AG&T, what can they expect within the subject?

AG&T students are encouraged to pursue more complex and mature lines of thinking in their projects, whilst choosing appropriate media and using more complex techniques. Students also have the opportunity to attend Art Club during enrichment time. Students can become involved in the visual promotion and scenery creation for the school production and the Creative Arts Exhibition at the end of the year will provide students with the opportunity to showcase a range of their work. Finally, the department will name one student Artist of the Month and their work will be displayed in the school's newsletter, THiS Week.

Business

Students study Edexcel IGCSE Business Studies specification code 4BS1.

Which topics will my child cover in Year 10?

There are five areas of study across the two years:

- **Business Activity and Influences on Business:** This section examines the objectives of businesses, the changing environment and the criteria for judging success. The focus is on the importance of having clear business objectives and how the business environment provides opportunities for, and imposes constraints on the pursuit of those objectives.
- **People in Business:** This section looks at people in organisations focusing on their roles, relationships and management in business.
- **Business Finance:** This section explores the use of accounting and financial information as an aid to decision making.
- **Marketing:** This section focuses on identifying and satisfying customer needs in a changing and competitive international environment.
- **Business Operations:** This section examines the way organisations use and manage resources to produce goods and services.

In Year 10, students will cover Business Activity and Influences on Business, People in Business and Business Operations.

Are there any key assessments during the course of the year?

The work covered in the classroom will be supported by once-weekly homework to assess understanding and develop exam technique. All students will be given a timed assessment in the classroom at the end of each topic and, where appropriate, at key points during the course.

What format will the end of year assessment take?.

There is no coursework with the IGCSE. All areas are externally assessed by two written examinations at the end of the course, both lasting 90 minutes. Paper 1 focuses on small businesses and Paper 2 focuses on larger businesses. The format of both papers is the same and includes multiple-choice and short and extended answer questions on a business-related context. All questions are compulsory and questions in both papers can be drawn from all areas of the specification.

My child has been identified as being AG&T, what can they expect within the subject?

Students have access to extension tasks as we feel that it is important for all students to feel that they have access to opportunities to advance their understanding. Not all tasks will be accessible to all students and some may excel in one area but not another. We use a variety of online resources in the department to keep abreast of changes to the business and economic environments and these are all available to students throughout their studies via the Business Studies Google Classroom site.

Classics

Students study OCR Classical Civilisation GCSE.

Which topics will my child cover during Year 10?

Year 10 students will study Paper 1, A comparative study: Myth and Religion. Topics include: the Olympian Gods, Journeys to the Underworld, Death and Burial, Romulus and Theseus, priests, temples, festivals and architecture. An important facet of the course as a whole is that students learn to draw comparisons between their own society and the ancient societies they study, in particular to compare Greece and Rome.

Are there any key assessments during the course of the year?

Students will be assessed during the course of the year via weekly homework tasks which will reinforce knowledge and understanding of the topics covered. Students will also sit regular tests using past paper questions on topics studied.

What format will the end of year assessment take?

All students will sit a written examination in the summer term which tests students' knowledge.

My child has been identified as being AG&T, what can they expect within the subject?

Able, Gifted and Talented students in this subject will be encouraged to read widely from our extensive library of material. *In Search of the Greeks* by James Renshaw and the companion volume *In Search of the Romans* make useful background reading.

Computer Science

Which topics will my child cover in Year 10?

Students follow the OCR Computer Science specification, developing skills in programming, computer systems and critical thinking which will be needed to complete the GCSE course. Computer Science covers topics that are relevant to the modern, changing world of computing, it is designed to boost computing skills essential for the 21st century. More specifically, students will cover:

- Systems architecture
- Computer hardware
- Algorithms
- Software systems
- Programming (Python, Vb.net)
- Wireless networks
- Data representation
- Network topologies.

Are there any key assessments during the course of the year?

Assessments are completed at regular intervals throughout the year. Most assessments are by way of end of topic tests.

What format will the end of year assessment take?

The examination at the end of Year 10 will follow the same format as the actual GCSE examination, but questions will be limited to the topics covered in Year 10.

My child has been identified as being AG&T, what can they expect within the subject.

All content within the Computing curriculum can be tailored to meet an AG&T child's needs within lessons by extending tasks to increase the complexity of any given problem. AG&T students would be encouraged to develop their mathematical and programming ability through additional directed study, for example, learning new languages of interest on [Codecademy: Learn to Code - for Free](#)

Drama

Which topics will my child cover in Year 10?

The specification used is WJEC/Eduqas GCSE Drama. Students in Year 10 begin to build the skills they need for assessment at GCSE. They will do this through a variety of means which are detailed below:

- The study of the set text; *DNA*, looking at the different ways this play can be performed and explored in performance.
- The study of several drama practitioners including Stanislavski and Brecht; beginning to identify the key elements of their practice with a view to incorporating these into their own devised work.
- Theatre visits to see live performances of various theatre genres in order to evaluate live performance and be able to assimilate different styles of theatre into their pieces.
- The experimentation with directing and performing a number of different play texts to explore how to stage written text.
- Devise and evaluate original work.

Please note: during the Academic Year 2020-21, all work will be reviewed and planned in light of relevant COVID-19 guidance.

Are there any key assessments during the course of the year?

Students are required to keep a log of all of the performances they see, including any seen in their own time. They will have to answer a question in the terminal examination on how their own experiences of live theatre have informed their performance choices.

What format will the end of year assessment take?

At the end of Year 10, students will undertake the formal assessment of their Component One examination. This requires them to work in a group to devise a performance based on a stimulus of their own choice. The assessment is recorded for standardisation by the examination board and assessed by the teacher. They will also have to write an evaluation portfolio of approximately 2000 words which analyses the practical devised performance. This forms approximately 40% of the final GCSE grade.

My child has been identified as being AG&T, what can they expect within the subject?

Drama offers the following exciting extra-curricular opportunities:

- There is a thriving Drama Club which encourages all year groups to work together on a variety of Drama exercises.
- There is a whole school production every year. Previous performances have included *A Midsummer Night's Dream*, *The Jungle Book* and *We Will Rock You*. GCSE students are encouraged to take part in a variety of ways and in particular the production and design elements which support their studies.
- Workshops and talks are organised when items of interest to the students become available.

3D Design

Students will study the AQA Art and Design: 3D Design qualification which allows the students to follow a creative journey comprising two components. Component one is worth 60% and asks the students to create a design portfolio which is built up of a range of projects showing a variety of skills. Component two is an externally set examination worth 40%. This task is set by the exam board and asks students to follow the design process, and ultimately make their final response in a 10 hour examination which takes place in the DT workshop.

Which topics will my child cover in Year 10?

Within Year 10, students will undertake a range of projects which will work towards their 60% portfolio. This will include looking at jewellery design, architecture and product design development. In each project they will practice and develop a range of skills, showcasing their design ability through the following:

- CAD, Google Sketchup, 2D Design and Fusion 360
- Isometric projection
- Perspective drawing
- Technical drawing
- Scale modelling
- Material testing
- CAM, laser cutting and 3D printing.

Are there any key assessments during the course of the year?

Throughout Year 10 students will be assessed on each of their projects. The portfolio as a whole will be assessed at various stages to allow students to act on feedback and understand how they are performing against the grade descriptors.

What format will the end of year assessment take?

Students' work will be assessed holistically throughout the year and will be graded at appropriate points within the projects. After the portfolio and examination takes place in Year 11, it will be externally moderated by AQA.

My child has been identified as being AG&T, what can they expect within the subject?

Smaller class sizes mean that students can choose a challenging project for their coursework. Guest speakers from Balfour Beatty, Jaguar and The Northern School of Art and tailored workshops provide students with the opportunity to test their contextualised thinking. Students are always encouraged to use software, processes and techniques in which they are most skilled; many students use their personal apps to showcase their skills and develop their work on an individual, personal basis.

English

Most students study AQA English Language (8700) and AQA GCSE Literature (8702) for the duration of Years 10 and 11. These students will be awarded two separate qualifications at the end of the course:

- The AQA English Language course consists of two external examinations: Paper 1: Explorations in Creative Reading and Writing (50%) and Paper 2: Writers' Viewpoints and Perspectives (50%). Students also receive a certificate of speaking and listening competence in addition to their English Language GCSE qualification.
- The GCSE Literature course includes two examinations: Shakespeare and the 19th Century Novel (40%) and Modern Texts and Poetry (60%).

Which topics will my child cover in Year 10?

The work completed towards their GCSE English Language in Year 10 includes the following topics:

- Paper 1 and 2: Short Form Questions

The work completed towards GCSE Literature in Year 10 includes studying the following texts:

- *A Christmas Carol* - Charles Dickens
- *An Inspector Calls* - J.B. Priestley
- AQA Poetry Anthology: Power and Conflict
- Unseen Poetry
- Recap and revision of Macbeth.

Are there any key assessments during the course of the year?

Formal written assessments will take place every half term and will be appropriate to the unit studied.

What format will the end of year assessment take?

In Year 10, the summer examination will cover all topics studied that year.

My child has been identified as being AG&T, what can they expect within the subject?

Able, Gifted and Talented students of English will be given the opportunity to develop their interest in the subject through a wide number of trips, activities and workshops. Additionally, Year 10 students are invited to participate in the ESU Public Speaking Competition and pit their oratory skills against schools from around the country.

Food Preparation and Nutrition

Students study the AQA specification for a GCSE in Food Preparation and Nutrition. The final examination of the GCSE comprises of the following three components:

- A written examination with a duration of 1 hour 45 minutes worth 50% of the final qualification.
- A non-examined assessment (NEA) where students have to produce a written report on food investigation worth 15% of the final qualification.
- A non-examined assessment (NEA) where students have to produce a written portfolio on food preparation worth 35% of the final qualification.

Which topics will my child cover in Year 10?

The following topics are studied in Year 10:

- Nutrients and nutritional needs in health
- Macro and micronutrients
- Food science
- The dietary needs at different life stages
- Chemical properties of foods
- Food spoilage and contamination
- Factors which influence food choice.

Practical lessons will take place throughout all units where both investigative and practical skills will be developed.

Are there any key assessments during the course of the year?

Once every term students will practice for the NEA part of the course by completing both a timed practical and a food science investigation. Feedback will be given to students as well as reflection time to enable students to respond to and learn in preparation for their final NEA in Year 11. Students will be assessed after each topic using past and example GCSE questions based only on the topics that have been covered. This will be roughly once every half term.

What format will the end of year assessment take?

In the summer term, students will sit a two hour written paper which will test all theory covered during the year.

My child has been identified as being AG&T, what can they expect within the subject?

Students are given the opportunity to take part in workshops with outside speakers such as visiting chefs and dieticians. Students are also invited to develop their skills by catering for parents and visitors at school events. GCSE students will be involved with making seasonal products. A Level 2 Food Hygiene course will be offered as a co-curricular course to any AG&T students who wish to gain a further qualification related to their interest in Food Technology.

Geography

Students will follow the specification of the AQA examination board resulting in a GCSE in Geography.

Which topics will my child cover in Year 10?

Students will cover a range of topics throughout their GCSE studies with a focus on Physical Geography throughout Year 10 before moving on to study Human Geography in Year 11. An overview of both topics is outlined below:

- **Living with the Physical Environment:** The challenge of natural hazards, the living world (Ecosystems, Tropical Rainforests and Hot Deserts) and physical landscapes of the UK
- **Challenges in the Human Environment:** Urban issues and challenges, the changing economic world and the challenge of resource management
- **Geographical Application:** Issue evaluation, fieldwork and Geographical skills.

Are there any key assessments during the course of the year?

Throughout Year 10, students will sit various topic based assessments. These will involve students sitting either one or two assessments per topic depending on the topic size. These assessments will be completed within the hour lesson, and students will be given at least two weeks' notice in order to prepare.

What format will the end of year assessment take?

Students will sit an end of year examination which will follow the same format as the actual GCSE paper. Students will be provided with an examination and a resource booklet and will be given 1 hour and 30 minutes to complete the paper.

My child has been identified as being AG&T, what can they expect within the subject?

All students are stretched in Geography through the use of review and enquiry based questions. At regular intervals, students will also be provided with a series of specific AQA exam style questions which will allow students to become familiar with the structure of the questions and gain the crucial exam technique required at GCSE level. Students will be encouraged to aim for a grade 8 and above in all of these questions, and feedback will be given in both a written and verbal sense through learning conversations and reviews. The broadening of knowledge and understanding will also be incorporated into fieldwork studies and students will partake in two field trips. Students would also be encouraged to carry out wider reading for all topics studied, exploring their own information sources and using the wide range of books in the department.

Additional information

Students are encouraged to use the following additional sources of information to support their studies in class:

- Websites: S-cool; Cool Geography; BBC Bitesize and Geography learn
- Revision Guides: CGP, Hodder and Pearson GCSE Geography 9-1 Revision Guides, Oxford GCSE 9-1 Geography AQA
- Workbooks: CGP, Hodder and Oxford GCSE Geography 9-1 Revision Guides.

History

Students study the Edexcel IGCSE.

Which topics will my child cover during Year 10?

Students will study the following two key topics in Year 10:

- **Medicine 1848-1948:** a unit on Paper 2 of the examination exploring the changes in understanding of disease, surgery, the role of women and the impact of war.
- **Germany 1918-1945:** An overview of the significant changes in Germany from the end of WW1, the 1920s and Depression, the rise of Hitler and life under the Nazis.

Are there any key assessments during the course of the year?

There will be several assessments throughout the year to test knowledge and skills. Some will address the topic studied to encourage students to start learning the information required at the end of the two year period. Other assessments will follow the format of the examination in the form of sample questions.

What format will the end of year assessment take?

The examination at the end of Year 10 will follow the same format as the actual GCSE, but questions will be limited to the topics covered in Year 10 (Germany 1918-1945 and Medicine). The format involves two written examinations which will both be 1 hour 30 minutes in duration. There is no Controlled Assessment for this subject.

My child has been identified as being AG&T, what can they expect within the subject?

Students who are AG&T will have the opportunity to explore further reading on all topics studied and any they may have a personal interest in using the wide range of books within the department. They will also be encouraged to aim for a grade 9 in all assessments, discussed individually with them in one to one learning conversations. They will also be encouraged to complete the HPQ qualification on an historical topic.

Latin

Which topics will my child cover during Year 10?

Students will focus on the following areas of study:

- Course content which includes the background on Roman History, legends and mythology and the labours of Hercules.
- Consolidation of basic grammar, including the agreement of adjectives, verbs (active and passive), the subjunctive and its uses, participles, infinitives, imperatives.
- Introduction to syntax including relative clauses, conditionals, indirect statement, temporal clauses, gerundives, result clauses, purpose clauses, direct and indirect commands, indirect questions.
- Classes will always include translation from English to Latin. Homework will be preparing passages of unseen Latin to translate into English and working through comprehension exercises.

Are there any key assessments during the course of the year?

Students are expected to learn the OCR defined vocabulary list in the summer holidays before the start of the course. This will be tested throughout the year. A GCSE foundation tier paper will be used for half termly assessments.

What format will the end of year assessment take?

Students will sit a formal written examination in the summer term. Questions will be based on topics studied during the course of the year.

My child has been identified as being AG&T, what can they expect within the subject?

Greek GCSE is offered to stretch and challenge more able students. Within lessons, extension work will focus on philology and etymology. Wider reading will be suggested from our well-stocked shelves, but the main focus should be to master this difficult subject itself. We recommend using <https://www.memrise.com/> as a vocabulary learning tool, [Perseus Digital Library](#) - which includes a wide range of interactive texts with parallel and interlinear gloss, and *So you really want to learn Latin* by N.R.R. Oulton, a very useful book for grammar practice.

Modern Foreign Languages

Students study AQA GCSE French, specification 8658 and AQA GCSE German, specification 8668. Both subjects have a Foundation Tier (grades 1–5) and a Higher Tier (grades 4–9). Students will be entered for either the foundation or higher tier examination and will sit four examinations comprising of the following:

- Paper 1: Listening examination worth 25% of the final qualification
- Paper 2: Reading examination worth 25% of the final qualification
- Paper 3: Speaking examination worth 25% of the final qualification
- Paper 4: Writing examination worth 25% of the final qualification.

Which topics will my child cover during Year 10?

In Year 10 students focus on the following themes and topics:

- Identity and Culture; specifically looking at
 - Me, my family and friends
 - Technology in everyday life
 - Free-time activities
 - Customs and festivals in the target language-speaking country.
- Local, National and Global Areas of Interest which includes
 - Home town, neighbourhood and region
 - Social issues.

Are there any key assessments during the course of the year?

Students are formally assessed every half term. The assessment will take the form of listening, reading, speaking or writing. In addition, students do regular vocabulary tests in both languages.

What format will the end of year assessment take?

At the end of the year, students will be assessed in listening, reading and writing during the examination period. The various papers test topics and grammar taught during the year, but also rely on knowledge gained in previous years. There will also be a formal speaking assessment in the final half term of the year. In Year 10, the end of year examination will give the first formal indication to guide staff and students as to what level of entry to undertake at the end of the two year course.

My child has been identified as being AG&T, what can they expect within the subject?

Writing and speaking tasks are open-ended and allow for further development. More able students are encouraged to explore the language further and write and speak in more depth, for example by adding in extra detail and more success criteria such as more complicated structures. In lessons, extension activities are always available. Questioning is differentiated to draw out more complex answers from more able students and not to discourage students who find languages more challenging.

Mathematics

Which topics will my child cover during Year 10?

The following topics are studied in Year 10:

Higher Tier	Foundation Tier
<ul style="list-style-type: none">• Basic number• Fractions, ratio & proportion• Statistical diagrams & averages• Number & sequences• Ratio & proportion• Angles• Transformations, constructions & loci• Algebraic manipulation• Length, area & volume• Linear graphs• Pythagoras' theorem• Trigonometric ratios• Similarity• Exploring & applying probability• Powers & standard form• Equations & inequalities.	<ul style="list-style-type: none">• Basic number• Geometry & measures• Charts, tables & averages• Angles• Number properties• Approximations• Decimals & fractions• Linear graphs• Algebraic expressions & formulae• Ratio & proportion• Perimeter & area• Transformations• Probability• Volume & surface area of prisms• Linear equations.

Are there any key assessments during the course of the year?

There is a minimum of one test each half term as well as weekly homework exercises.

What format will the end of year assessment take?

The end of year assessment takes the form of a 1 hour 30 minutes written examination which will test each student's knowledge of all topics covered during the course of the year.

My child has been identified as being AG&T, what can they expect within the subject?

AG&T students are challenged and stretched within the Mathematics curriculum. Lessons are aimed to push the boundaries of their knowledge and understanding. Every year we take part in the UKMT Intermediate Mathematics Challenge which is open to our AG&T students in Year 10. Students are also encouraged to participate in World Maths Day and can also further develop their skills and abilities with lateral thinking and problem solving questions.

Music

Students study for the Edexcel GCSE, specification 1MU0.

Which topics will my child cover during Year 10?

Year 10 Music continues to develop the key skills that have been covered throughout Key Stage 3, with composing, performing and appraising (listening) tasks forming the main criteria for assessment. The main topics studied in Year 10 include the following:

- **Vocal Music set works**

H. Purcell: *Music for a While*

Queen: *Killer Queen* (from the album *Sheer Heart Attack*)

Wider related listening.

- **Instrumental Music 1700–1820**

J.S. Bach: 3rd Movement from Brandenburg Concerto no.5 in D major

L. van Beethoven: 1st Movement from *Piano Sonata* no.8 in C minor *Pathétique*.

Wider related listening.

- **Music for Stage and Screen**

S. Schwartz *Defying Gravity*

Wider related listening.

Are there any key assessments during the course of the year?

Assessments take place regularly throughout each topic with informal verbal feedback and peer assessment occurring lesson by lesson. Formal assessments take place towards the end of each set work. Students will also perform regularly on their chosen instrument/voice during the course in addition to developing a portfolio of musical compositions, one of which will be based on a set brief. Final assessed performances cannot be recorded until the spring term of Year 11. The 'Free Composition' will be worked on in Year 10 and completed to a point where it only requires small final revisions in Year 11.

What format will the end of year assessment take?

A formal mock examination paper based on the set works studied will take place in the summer term.

My child has been identified as being AG&T, what can they expect within the subject?

Music is a subject that naturally showcases talent, and having a thorough knowledge of the students' individual strengths and weaknesses makes being able to extend their musical understanding very transparent. Each topic has clearly differentiated tasks so that more able students can develop their ideas further.

Enrichment can further add to the student's musical experience at school and GCSE students are expected to participate in at least one of these activities each week. There are several diverse groups and ensembles (Orchestra, Choir, Rock Band, Big Band, Brass Ensemble, Wind Choir) and classes available (Music Theory) for students to further develop their performing and appraising skills.

Physical Education

GCSE PE is an academic and practical subject. It is assessed by two examinations and a number of practical assessments. We study GCSE AQA specification code 8582.

The final examination of the GCSE is assessed via the following components:

- Written examinations. There are two 1 hour 15 minute written examinations each worth 30% of the final grade; Paper 1 examines the human body and movement in physical activity and Paper 2 examines the socio-cultural influences and well-being in physical activity and sport.
- Non-examined assessment: Practical performance in physical activity and sport. Students' practical performance is assessed in **three different physical activities** in the role of player/performer (one in a team activity, one in an individual activity and a third in either a team or in an individual activity). Students will also be assessed on an analysis and evaluation of performance to bring about improvement in one of their chosen activities. This section is worth 40% of the final grade.

Which topics will my child cover during Year 10?

Year 10 students study three hours of theory lessons and one hour of practical lessons over a two week period. A number of the following theory based topics will be studied:

- Applied anatomy and physiology
- Movement analysis
- Physical training
- Use of data
- Sports psychology
- Socio-cultural influences
- Health, fitness and well-being.

Are there any key assessments during the course of the year?

Students will sit tests on the completion of each theory topic. Students' practical performance in sport will be assessed and improved on throughout each practical lesson. Any practical activity not covered in school will require the student to provide the video evidence to fulfil the activity specification. If students play sport beyond school level, they would be responsible for providing video evidence of the fully competitive situation in order to gain the best possible marks for their practical assessment.

What format will the end of year assessment take?

Students will sit two formal written examinations covering each of the topics studied during the year.

Religious Education

Students study AQA GCSE Religious Studies; Christianity and Islam.

Which topics will my child cover during Year 10?

During Year 10 students will cover two core topics, Christianity and Islam. Within those topics the following ideas are explored:

- Christianity
 - The nature of God
 - Jesus Christ and salvation
 - Worship and festivals
 - Prayer and its significance
 - The role of the church.
- Islam
 - Key beliefs
 - Authority
 - Worship and duties
 - Festivals.

Students will also cover four units based on thematic studies in the following key areas;

- Relationships and Families
- Religion and Life
- Crime and Punishment
- Human Rights and Social Justice.

Are there any key assessments during the course of the year?

There will be several assessments throughout the year to test knowledge and skills. Assessments will follow the format of the examination in the form of sample questions.

What format will the end of year assessment take?

The examination at the end of Year 10 will follow the same format of the actual GCSE, but will be limited to the topics covered in Year 10.

My child has been identified as being AG&T, what can they expect within the subject?

Students who are AG&T will have the opportunity to explore further reading on all topics studied and any they may have a personal interest in using the wide range of books within the department. They will also be encouraged to aim for a grade 9 in all assessments, discussed individually with them in one to one learning conversations.

Science

Students study Edexcel IGCSE, which has two options;

- Separate Sciences are covered as Biology, Chemistry and Physics and result in three GCSEs. (Specification codes; 4BI1, 4CH1, 4PH1).
- Double Award Science covers all three sciences but concludes with only two GCSE qualifications. It consists of two thirds of the separate syllabus in Biology, Chemistry and Physics (specification code 4SC1).

Which topics will my child cover during Year 10?

As well as the factual content of the course the Edexcel International GCSE Science enables students to:

- Acquire scientific knowledge and facts, and an understanding of scientific concepts, principles, themes and patterns.
- Appreciate the practical nature of science, acquiring experimental skills based on correct and safe laboratory techniques.
- Appreciate the importance of accurate experimental work and reporting as scientific methods.
- Form hypotheses and design experiments to test them.
- Sustain and develop an enjoyment of, and interest in, the scientific world.
- Evaluate, in terms of their scientific knowledge and understanding, the benefits and drawbacks of real-life applications of science, including their everyday, industrial and environmental aspects.
- Select, organise and present information clearly and logically, using appropriate scientific terms and conventions.

The specific topics which students study in each Science subject are detailed below. Students studying the three separate sciences throughout Years 10 and 11 will cover some topics in greater depth than those taking Double Award.

Biology

- A review of the Year 9 topics of Life Processes, Variety of Life, Cells, Photosynthesis and Human Nutrition
- Respiration
- Gas exchange in plants and animals
- Transport in plants and animals
- Biological molecules
- Diffusion, Osmosis and Active Transport
- Ecology and the environment.

Chemistry

Double Award students will study the foundation principles of each of the topics listed below, which will then be revised and extended to include the more difficult concepts in Year 11. Separate Chemistry students will study only the topics in bold during Year 10, covering these topics in their entirety.

- **Bonding and Structures**
- **The Periodic table**
- **Group 1**
- **Group 7**
- **Gases in the atmosphere**
- **Chemical Tests**
- **Formulae, Equations and Calculations**
- **Acids, Bases, Alkalis and Salts.**
- Alkanes
- Alkenes
- Synthetic Polymers
- Crude Oil
- Energetics.

Physics

Double Award students will study the foundation principles of each of the topics listed below, which will then be revised and extended to include the more difficult concepts in Year 11. Separate Physics students will study only the topics in bold during Year 10, covering these topics in their entirety.

- **Electricity**
- **Waves**
- **Solids, Liquids, Gases.**
- Electricity
- Waves
- Solids, Liquids, Gases
- Magnetism and Electromagnetism
- Radioactivity.

Are there any key assessments during the course of the year?

There is no controlled assessment in these subjects though students are expected to carry out a number of practical experiments throughout the two years and some of these will be incorporated into questions in the final papers. There are also topic tests throughout the year, which can take the form of either the completion of assessed homework or the sitting of a more formal end of topic exam.

What format will the end of year assessment take?

Students will sit an internal mock examination for each of the Sciences. The examinations take the form of written papers which are designed to test students' knowledge on each topic studied over the course of the year, including any relevant practical techniques. They may also include core principles from previous years, where relevant to current topics. Students studying Double Award Science will sit three two hour papers, one for each science. Students studying Separate Science will sit three additional one hour papers in each Science subject.

The final IGCSE Double Award Science examinations are held in the summer of Year 11, as are the IGCSE Biology, Chemistry and Physics examinations.

My child has been identified as being AG&T, what can they expect within the subject?

Our AG&T students are challenged and stretched within the Science curriculum. Lessons are planned to push the boundaries of students' knowledge and understanding. Beyond lessons, students can take part in extracurricular activities to broaden their horizons and interests. Our AG&T students will also be given the opportunity to take part in a range of competitions, for example, Top of the Bench for Chemistry and the Biology Challenge.

Core Physical Education (compulsory)

Which activities will my child cover during Year 10?

Physical Education is a compulsory part of the curriculum. Our programme aims to promote the all-round fitness and physical development of each pupil and to give students the opportunity to gain skill and understanding in a range of physical activities.

During the autumn and spring terms, all students follow a games-based programme in one of their lessons (Hockey, Netball, Rugby and Football) whilst experiencing activities such as Trampolining, Volleyball, Dance, Fitness and Badminton in their second lesson. Some of these activities are designed to extend students' knowledge and physical development, whilst others are designed to introduce them to new activities. During the summer term students will cover Rounders, Cricket and Athletics.

Are there any key assessments during the course of the year?

Students are assessed throughout the year, however as well as challenging our students and helping develop their performances, we also feel it is also very important to offer a variety of activities so every student is able to find something they can enjoy and continue in the future as part of a healthy lifestyle.

What format will the end of year assessment take?

There is no formal written examination in Core Physical Education.

My child has been identified as being AG&T, what can they expect within the subject?

There are a great number of opportunities for AG&T students to excel in Physical Education. Talented students will be selected to represent the school in a variety of team sports. There are differentiated practices and lessons built into the curriculum and the school regularly nominates students to take part in sporting district/county trials. During the course of the year the department also runs a programme of outside coaching and master classes designed to stretch and challenge more gifted students.

Co-Curricular Clubs and Enrichment

In addition to their academic studies, Year 10 students will take part in a number of co-curricular clubs, PSHE lessons and a Pastoral Day.

Each term, a programme of co-curricular activities is issued to students. Students are expected to sign up for and participate in three activities per week. There is a broad range of clubs available to choose from and they include some of the following;

- **Sporting Clubs** - Hockey, Netball, Football, Rugby, Badminton, Cricket, Rounders, Tennis, Basketball, Fitness, Trampolining and Athletics.
- **Music Clubs** - Orchestra, Choir and Percussion Ensemble.
- **Creative Arts Clubs** - Drama Club, Zen Colouring and Open Art Studio.
- **Cultural Clubs** - European Film Club, Japanese Club, Ancient Greek Club and Psychology Film Club.
- **Other Clubs, including volunteering opportunities and community work** - from Dance Club and Charity Club to Community Litter Picking and Prep School Reading Support as well as Chess and Draughts, Golf and Young Scientists Club, there is something for everyone!

Whilst under Covid-19 restrictions, these activities will be guided by staff in year group bubbles until we can enjoy the flexibility to mix year groups.

Personal, Social, Health and Economic (PSHE) education is an important and necessary part of all students' education at Teesside High School. Each Year 10 student receives a high-quality 55 minute PSHE lesson per fortnight, where they are taught in single gender classes. Our programmes of study encompass a broad range of topics including but not limited to:

- Healthy relationships; friendships, bullying and discrimination
- Online Safety; online content, safe online communication
- Financial education; budgeting and marketing
- Risky behaviour; alcohol and drugs
- Healthy living and the importance of physical activity
- Future education and careers
- Emergency first aid.

Reporting and Assessment Calendar

This calendar has been put together with a great deal of time and care to ensure that all students are rigorously monitored and assessed to allow optimum progress throughout the academic year.

Date	Assessment & Reporting	Purpose
16 October 2020	Student Data Grab	Internal assessment of student grades
30 November 2020	Student Data Grab	Internal assessment of student grades
9 December 2020	Student Progress Report issued to parents	Overview of student performance throughout the autumn term
8 February 2021	Student Data Grab	Internal assessment of student grades
11 March 2021	Parents' Evening	Meet students' individual subject teachers to discuss performance against targets and stretch targets
15 March 2021	Student Data Grab	Internal assessment of student grades
10-14 May 2021	Internal Examination Week	Formal examinations across all subject areas
25 June 2021	Student Full Report issued to parents	Comprehensive report on student performance and achievement in each subject.