



KEY STAGE 4

SUBJECT INFORMATION BOOKLET

EXCELLENCE FOR ALL



THE PRINCIPAL

Dear Parents, Carers and Students,

Key stage 4 is one of the most important periods in a student's school career. At Sydney Russell School our staff work hard to help ensure it is an enjoyable and productive experience which results in good examination results and a clear pathway to further study and eventually a rewarding career.

So, please take care to look over the key stage 4 curriculum and come to the Subject Information Evening on Thursday 25th of February to learn more about expectations at key stage 4.

Students can express their preference for subjects at key stage 4. Please use this booklet to support your son/daughter in expressing their subject preference for the next stage of their learning.

It is important that subject preferences are not based on a particular teacher (he or she may not be teaching the subject next year); not because a subject is seen as "easy" (there are no easy subjects); not because a subject is simply "new". Instead, encourage your son/daughter to take into account three main criteria: personal strengths and weaknesses; keeping open a wide range of career choices and achieving a balanced range of subjects.

I wish you all well in your decision-making and look forward to an excellent set of results in the near future.

Deadline: Friday 4th March 2016

Your Sincerely

Ms J. Davies
Principal



HOW TO DECIDE

Subject Preferences

At the end of this booklet there is a subject preference form. Students must select the subjects they hope to study for the next Key Stage 4 years. Very careful thought should be given to this decision.

Students will receive guidance about making decisions in their lessons, assemblies and tutorials.

You must

- Read this booklet carefully;
- Talk to your subject teachers;
- Talk to your tutor;
- Talk to your parents/carers
- Ask a lot of questions

Ask yourself

- Which subjects do I enjoy the most?
- Which subject am I making the most progress?
- What do I want to do in the future and should this influence my choices?

Do NOT consider

- Which subjects your friends are taking because you may be in a different group even if they do choose the same subject.
- Which teacher teaches you now because they may leave or that teacher may not be allocated to teach your group.



CHOOSING A SUBJECT

All upper band students will study the following courses.

- English
- Mathematics
- Science*
- Computing

and choose **Two** additional courses from the following:

- Art and Design
- Child Development
- Dance
- Drama
- ICT (Voc)
- Leisure & Tourism
- Media Studies (Voc)
- Photography
- Physical Education (Voc)
- Product Design
- Religious Education

And **one** compulsory non examination course.

- Physical Education

* Students studied core Science in Year 9 and will be studying additional Science in Year 10. Some students will have the opportunity to do further additional Science in Year 11. This is the equivalent of the Triple Science Award.



ENGLISH

Subject Description

GCSE English Language and English Literature are studied by all students in Year 9, 10 and 11 at Sydney Russell. They are two completely separate GCSEs. Students will take their English Literature exam at the end of Year 10 and their English Language exam at the end of Year 11. You will need to have a passion for interpreting and evaluating texts and creating original and well-crafted texts of your own.

Specification Details

This qualification counts towards the English Bacc and the performance measures

AQA English Literature

100% Exam

Paper 1: 1 hour 45 minutes

Paper 2: 2 hours 15 minutes

AQA English Language

100% Exam

Paper 1: 1 hour 45 minutes

Paper 2: 1 hour 45 minutes

Course Requirements

AQA English Literature

Paper 1: Shakespeare (*Macbeth*) and the Nineteenth Century Novel (*A Christmas Carol*)

Paper 2: Modern Drama (*DNA*), Studied Poetry (Love and Relationships) and Unseen Poetry

AQA English Language

Paper 1: Reading Fiction, Writing Creatively

Paper 2: Reading Non-Fiction, Writing to Argue

Additional Information

The course is rigorous: it encompasses several challenging texts that will be examined by closed text exams. It is essential, therefore, that you are determined to succeed from your very first lesson in Year 9.



Contact

Ms H. Evans (Head of English)

Location: Kingsley Building – K2.44

Email: hev@sydney-r.bardaglea.org.uk

Did you know?

A good qualification in English or English Literature is the passport to a wide variety of careers and many journalists, T.V presenters and successful actors, for example, have degrees in English.

Shakespeare is the second most quoted writer in the English language – after the various writers of the Bible.

J. K. Rowling said "I always advise students who ask me for tips on being a writer to read as much as they possibly can."

MATHEMATICS

Subject Description

Mathematics is a requirement of the National Curriculum and forms part of the core subject that all students study at GCSE Level.

Specification Details

Edexcel Linear GCSE – 1MA0

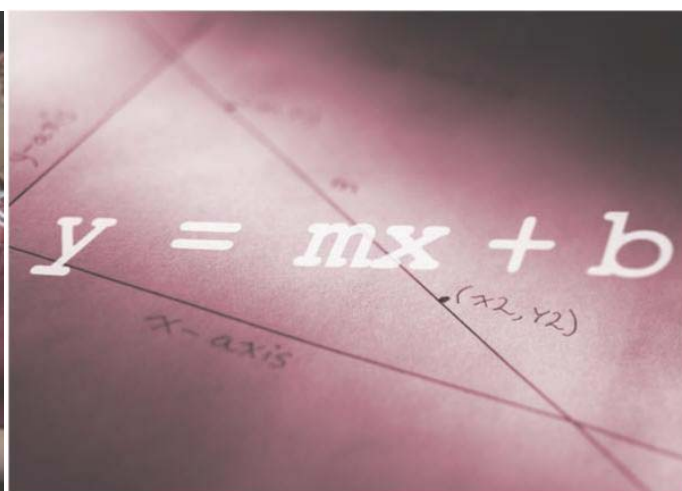
Course Requirements

The GCSE courses are examined by external examinations. There are no coursework projects in Mathematics. There is a terminal examination at the end of Year 11 which consists of 2 papers and represents 100% of the grade.

Additional Information

Students will be entered for either the Higher Level Paper (A*-D) or the Foundation Level (C-G). Students will be taught in ability sets based on their grades at the end of Year 8.

Elements of functional Mathematics have been embedded into our programmes of study; this introduction ensures that our students have the necessary skills to use Mathematics in real life contexts.



Contact

Mr E. Nanor (Head of Mathematics)

Location: Kingsley Building – K1.19

Email: ena@sydney-r.bardaglea.org.uk

Did you know?

The = sign ("equals sign") was invented by 16th Century Welsh mathematician Robert Recorde, who was fed up with writing "is equal to" in his equations.

Plus (+) and Minus (-) sign symbols were used as early as 1489 A.D.

In working out mathematical equations, the Greek mathematician ,Pythagoras used little rocks to represent numbers. Hence the name of Calculus was born which means pebbles in Greek.

THE SCIENCES

Subject Description

GCSE Science at the Sydney Russell School is a fun, engaging and inspiring subject. The course caters for all abilities and interests, whether you would like to pursue sciences at A-level or just wish to develop your scientific literacy to prepare you for the ever evolving modern world.

Specification Details

Exam board: AQA

Depending on whether you study combined trilogy science or separate sciences, you will receive two or three GCSEs respectively.

Combined trilogy specification code: 8464

Separate sciences specification code: 8461 (Biology), 8162 (Chemistry), 8163 (Physics).

Website: <http://www.aqa.org.uk/subjects/science/gcse>

Course Requirements

All students are required to sit six exams at the end of Year 11 - two Biology, two Physics and two Chemistry. Additionally, students will have

to perform a number of required practical experiments over the duration of the course. For combined trilogy science, the exams are 1 hour 15 minutes each and there are 16 required practical experiments to be completed. For separate sciences, the exams are 1 hour 45 minutes as they cover more content. There are 24 required practical experiments to be completed.

Additional Information

Biology: 1. Cell biology, 2. Organisation, 3. Infection and response, 4. Bioenergetics, 5. Homeostasis and response, 6. Inheritance, variation and evolution, 7. Ecology

Chemistry: 1. Atomic structure and the periodic table, 2. Bonding, structure and the properties of matter, 3. Quantitative chemistry, 4. Chemical changes, 5. Energy changes, 6. The rate and extent of chemical changes, 7. Organic chemistry, 8. Chemical analysis, 9. Chemistry of the atmosphere, 10. Using resources

Physics: 1. Forces, 2. Energy, 3. Waves, 4. Electricity, 5. Magnetism and electromagnetism, 6. Particle model of matter, 7. Atomic structure, Space (separate sciences only)



Contact

Mr N. Charman (Subject Leader)

Location: Shaftesbury S0.08

Email: nch@sydney-r.bardaglea.org.uk

Did you know?

Did you know Britain has won a Nobel prize in a science discipline 63 times? Maybe you could be the next winner...

There are 60,000 miles of blood vessels in the human body.

Every hour the universe expands by a billion miles in all directions.

The only letter not used in the periodic table is J.

COMPUTING

Subject Description

GCSE Computing will encourage learners to be inspired, moved and challenged by following a coherent, satisfying and worthwhile course of study. The course will allow learners to develop their understanding of emerging technologies, develop computer programs and understand and use algorithms within computer programs to solve problems. Computing will help learners to gain an insight into related sectors. It will prepare candidates to make informed decisions about further learning opportunities and career choices.

Specification Details

OCR GCSE Computing (J276)

The course is made up of an externally assessed written exam (80%) and 1 coursework Units (20%).

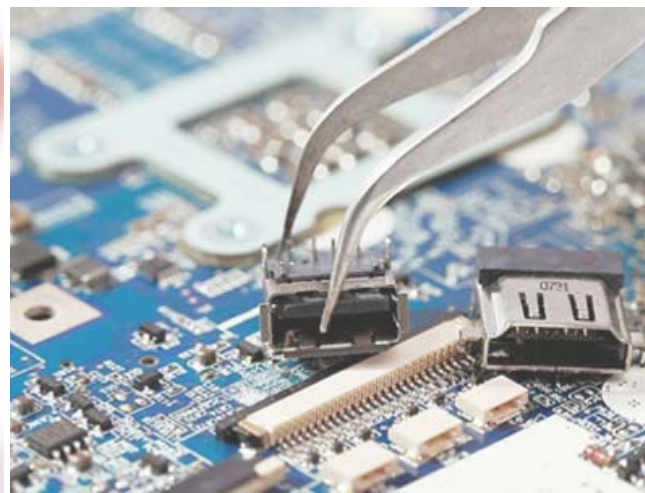
Course Requirements

- Develop their understanding of current and emerging technologies, understanding of how they work and apply this knowledge and understanding in a range of contexts.

- Acquire and apply knowledge, some technical skills and an understanding of the use of algorithms in computer programs to solve problems using programming.
- Use their knowledge and understanding of computer technology to become independent and discerning users of IT, able to make informed decisions about the use and be aware of the implications of different technologies.
- Acquire and apply creative and technical skills, knowledge and understanding of IT in a range of contexts. Develop computer programs to solve problems.
- Evaluate the effectiveness of computer programs/solutions and the impact of, and issues related to, the use of computer technology in society.

Additional Information

If you are considering taking an A-Level in any of the Computer science/ICT subjects or are considering a career in a related profession then this course will give you the background knowledge and understanding.



Contact

Mr D. Jacob (Head of Computing)

Location: Durrant Building - D2.11

Email: dja@sydney-r.bardaglea.org.uk

Did you know?

By 2020, current government projections show that more than 800,000 high-end computing jobs will be created in the economy, making it one of the fastest growing occupational fields.

Computer science and computer engineering bachelor degrees are in high demand and command two of the top three average salary offers from employers among all majors.

ART & DESIGN

Subject Description

If you enjoy , developing your visual skills, being creative, enthusiastic and imaginative, visiting galleries, experimenting and taking risks with your work then our GCSE Art and Design is the ideal subject for you.

You will, ideally have some experience of using art materials and processes, together with some knowledge of contemporary and historical art and design. More importantly, you should have a commitment to, and love of the subject and feel motivated to develop your visual skills and express your ideas in working through projects and assignments.

The GCSE covers a range of activities and in-depth assignments. You will have the opportunity to experiment with different media in order to explore your strengths and preferences. There are a wide range of options within the different endorsements, or you may choose to work in several areas. Whatever you choose, the main aim of the course is to develop your visual language skills and for you to build a comprehensive portfolio of work to progress to further courses or employment.

Specification Details

Edexcel GCSE Art and Design

Course Requirements

Unit 1 - Personal Portfolio in Art and Design (*Internally set and marked; assessed through controlled assessment.*)

Unit 2 - Externally Set Assignment in Art and Design (*Externally set theme and internally marked.*)

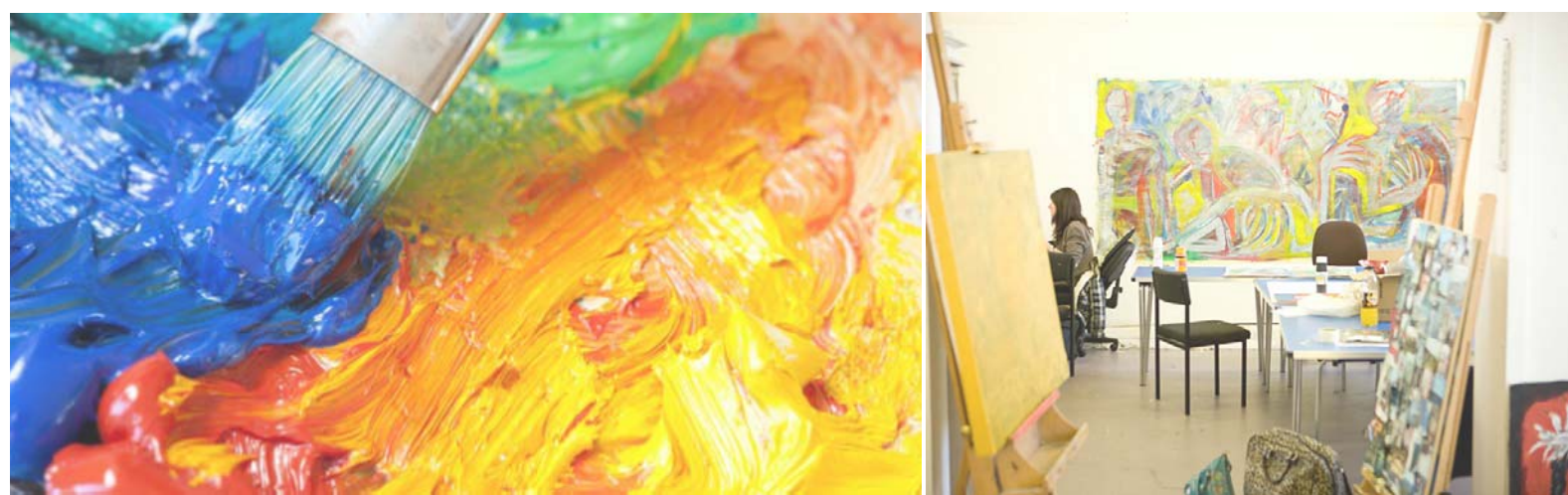
Each unit is assessed separately out of 80 marks. You will be assessed using 4 assessment objectives of develop, review/experiment, record and present.

Additional Information

On completion of your GCSE Art and Design course, you could progress to further education. **Southern Consortium Courses at Level 3 include:**

- BTEC Nationals in Art and Design
- the Diploma in Creative and Media
- GCE AS Art and Design.

If you choose to look for a job, you will have a portfolio of work that will evidence your ability to pursue a two-year GCSE course in Art and Design, covering different assignments and producing a range of work.



Contact

Mr D. Wright (Head of Art and Design)

Location: Art Studio Lester Building
Email: dwr@sydney-r.bardaglea.org.uk

Did you know?

Creative industries contributed 2.9% of the UK's Gross Value.

1.5 million people are employed in the creative industries or in creative roles in other industries, 5.1% of the UK's employment

Exports of services by the creative industries accounted for 10.6% of the UK's exports of services.

There were an estimated 106,700 businesses in the creative industries in 2011. This represents 5.1% of all companies.

CHILD DEVELOPMENT

Subject Description

An exciting opportunity to study Child Development and gain a G.C.S.E which will look at; parenthood, pregnancy, diet, health and care of the child, development of the child, support for the parent of the child.

Specification Details

The students gain a GCSE in Health & Social Care by AQA examination board.

Additional Information

- This course offers an interesting and stimulating programme of study.
- It can help develop student's knowledge and understanding of human needs in a diverse society and to work in a variety of contexts.
- It will provide skills and knowledge relevant and transferable to other settings, enhancing career opportunities.
- It could also provide a solid foundation for progression to further Health and Social Care studies.

Course Requirements

Unit 1 – 1 hour 30 minute exam – **100 marks 40%**

Unit 2 – Research Task **30 marks 20%**

Unit 3 – Child Study – 60 marks – 40%



Contact

Ms W. Patten (Child Development Co-Ordinator)

Location: Kingsley Building - K1.23

Email: wep@sydney-r.bardaglea.org.uk

Did you know?

Children learn more quickly during their early years than at any other time in life. They need love and nurturing to develop a sense of trust and security that turns into confidence as they grow.

DANCE

Subject Description

GCSE Dance focuses on the performance, creation and appreciation of Dance

- it promotes fitness, team work and helps to develop creativity
- encourages students to become effective independent learners whilst improving critical thinking skills
- encourages physical, technical and expressive skills as well as building confidence as a performer
- develops skills in a range of dance styles with a key focus on contemporary dance
- develops a critical appreciation of dance in its physical, artistic, aesthetic and cultural contexts
- provides progression from Key Stage 3 and a solid foundation for further studies in dance or performing arts at Key Stage 5 and above.

Specification Details

The course is set by AQA and it is mainly teacher assessed though marks are verified by a visiting moderator. **80%** is practical & **20%** written exam. It is equivalent to one GCSE qualification.

Course Requirements

Unit 1: Critical Appreciation of Dance – Written Paper (1 hour) **20%**

Unit 2: Set Dance – Solo Performance (1-1 ½ mins) **20%**

Unit 3: Performance in a duo/group – Controlled Assessment (3- 3 ½ mins) **20%**

Unit 4: Choreography – 4a – Solo Composition (1 – 1 ½ mins) **15%**

– 4b – Solo/duo/group (2 ½ - 3 mins) **25%**

Additional Information

GCSE Dance is a fantastic option for both males and females. Enthusiasm and an interest in the subject are really important. Attendance at dance club would be beneficial and performing in school shows is also very useful to develop performance skills and movement vocabulary.

This course requires commitment both in and outside of lesson time and may require extra rehearsals after school. Students will have the opportunity to attend trips to the theatre to watch professional dance works. Students can also take part in dance performances/shows both in and outside of school.



Contact

Ms A. Bourne (Head of PE)

Location: Kingsley - P.E. Office

Email: abo@sydney-r.bardaglea.org.uk

Did you know?

FACT: The first ballet dancers were men - Originally women stood on the sidelines to admire the male dancers' grace and agility!

The GCSE Dance course promotes transferrable skills, all of which are useful in a variety of jobs. It is estimated the dance economy employs around 30,000 people: dancers, teachers, choreographers, technicians and managers.

In addition to this, people work in dance as community dance practitioners, promoters, producers, designers, publicists, technicians, physiotherapists, medical and alternative practitioners, therapists, writers and academics.

DRAMA

Subject Description

GCSE Drama will develop you as a theatre practitioner and as a confident and empathetic individual. During the course you will take on the roles of an actor, director and designer. The course demands the creation of original work as well as looking at plays written by other people. You will look at the technical production elements that bring scripts alive on stage, for example, lighting, sound, set design and costume design.

The written elements of the course develop your analytical writing, providing excellent support for other subject areas. You will find that Drama will help you feel more self-confident and prepare you to deal with a range of different situations and people. It will allow you to voice your opinions, explore what you are passionate about, push boundaries and understand more about the world we live in.

Specification Details

Component 1 – Devising (you can be examined as an actor or a designer). In groups you devise a play based on a stimulus. You are marked on your performance and your evaluation of your process in an essay and a presentation.

Component 2 – Performance from text (you can be examined as an actor or a designer). In groups you must perform in or design for two extracts from a published play. Your teacher will help you choose the right text for you.

Component 3 – Theatre makers in practice

A written exam. The first section asks you to answer questions about a set text as an actor, director and designer. The second section asks questions about a professional production of a play you have seen.

Course Requirements

Component 1 40% (internally assessed by your drama teacher)

Component 2 20% (externally assessed by a visiting examiner)

Component 3 40% (externally assessed written exam)

Additional Information

The course requires you to see at least one professional theatre production, but you will have the opportunity to see many more. Our current GCSE classes have had the opportunity to see War Horse, The Woman in Black, In the Heights and The Curious Incident of the Dog in the Night-time.



Contact

Ms L. Peck (Head of Drama)

Location: Durrant - D0.04

Email: lpe@sydney-r.bardaglea.org.uk

Did you know?

The UK's creative industries are now worth £71.4 billion per year to the UK economy. It is the UK's fastest-growing sector. The Department for Media, Culture and Sport.

The future belongs to young people with an education and the imagination to **create**.

President Barack Obama

Logic will get you from A to B. **Imagination** will take you everywhere.
Albert Einstein

ICT (VOC)

Subject Description

Information Communication Technology covers all forms of computer and communications equipment and software used to create, design, store, transmit, interpret and manipulate information in various formats. Personal computers, laptops, tablets, mobile phones, transport systems, televisions, and network technologies are just some examples of the diverse array of ICT tools. ICT skills are essential for success in employment and higher education, and are among the fundamental transferrable skills required by employers.

Specification Details

Level 1/2 Cambridge National Certificate in ICT (J810)

Students will have to sit an external exam worth 25% of the overall grade. 75% will be made up of coursework.

Course Requirements

Understanding computer systems (Written Exam): This will provide learners with the underpinning knowledge and understanding required to use computer systems effectively.

Using ICT to create business solutions (Controlled Assessment): This will enable learners to develop ICT skills that would equip them to operate effectively in a business environment.

Creating an interactive product using multimedia components (Controlled Assessment): This will enable learners to demonstrate their creative flair by combining multimedia components to create a vibrant, energetic or stimulating www, webpage, or interactive product.

Exploring computer hardware and networks (Controlled Assessment): This will enable learners to gain an appreciation of computer hardware and the range of platforms currently available, including gaming and mobile devices.

Additional Information

We have combined units from Mandatory, Technical and Creative Strand to bring you a course that you will thoroughly enjoy while you enrich your ICT skills.

If you are considering taking an A-Level in any of the ICT/Computer science subjects or are considering a career in a related profession then this course will give you the background knowledge and understanding.



Contact

Mr D. Jacob (Head of Computing)

Location: Durrant Building - D2.11

Email: dja@sydney-r.bardaglea.org.uk

Did you know?

Britons do 35% of their spending online, while one in six buys using a smartphone, with the number increasing every year companies are always trying to promote their websites coming up with creative ways in which ICT can be used to help people spend more.

LEISURE & TOURISM

Subject Description

Have you always wanted to see what is outside of these walls outside of Dagenham? Couple of bus stops away? Or even train stops? Well this is your opportunity. Leisure and Tourism, not only will help you see your local tourist attractions or leisure centre, it will make you see further, a different town, a different city, a whole new country.

You will learn about places you haven't thought of.

Specification Details

Unit 1: The Leisure and Tourism Industry

Externally assessed

40% of the total grade

Unit 2: Sales, Promotion and Operations in Leisure and Tourism

Internally assessed

60% of the total grade

Unit 4: Customers and Employment in Leisure and Tourism

Internally assessed

60% of the total grade

Course Requirements

The nature of the leisure and tourism industry:

- Different types of leisure and tourism organisations
- The importance of sustainability, both in UK and international leisure and tourism
- How leisure and tourism organisations operate as businesses
- The rapid pace of change in the UK leisure and tourism industry
- How promotion and sales operate in leisure and tourism
- Employment opportunities in the leisure and tourism industry
- The importance of recognising similarities and differences of attitudes and cultures
- Health and safety issues.

Leisure and tourism destinations:

- Where people go in their leisure time and why they select their chosen destination(s)
- How people travel and why they select their chosen methods
- The impact of tourism on communities and environments, including eco-tourism
- Visitor attractions and activities, both in the UK and internationally.



Contact

Ms W. Patten (Manager of L+T)

Location: Kinglsey Building - K1.23

Email: wep@sydney-r.bardaglea.org.uk

Did you know?

Did you know that UK residents made a record 44.2 million holiday trips abroad in 2011; 43% were package holidays, down from 53% in 2001.

Did you know that the UK received 30 million visitors from overseas in 2005, a new high. The last peak was in 1998 with 25.7 million visitors. (Table 12.21)

MEDIA STUDIES (VOC)

Subject Description

We want to enable our candidates to develop a critical awareness and understanding of the media and its role in building and moulding society and its attitudes through the exploration of the products of media production processes (media texts), the institutions which produce them and the audiences which respond to them.

Candidates engage in the construction, deconstruction and critical analysis of a range of media texts and in the study of texts in relation to media institutions and media audiences. This enables candidates to put theory into practice by creating their own media products, thus affording opportunities for engagement in creative, imaginative and aesthetic activity.

Specification Details

WJEC Creative and Media Award - (75% Controlled Assessment – 25% Exam) Equivalent to 1 x GCSE.

Course Requirements

The course is assessed through 75% Controlled Assessment and 25% Exam.

- 9751/01 Creating a proposal in response to a brief
- 9752/01 Creating an outcome in response to a brief
- 9766/01 Skills development in Moving Image Production

Additional Information

This is an exciting and popular course with a range of different ways of learning. One day you may be presenting, another day shooting a video or analysing a computer game! Students can either go on to higher Level 3 BTec Media courses or apply for training within a Media Industry. You need to be able to work individually and in a team, and be happy to develop ICT skills to explain your ideas.



Contact

Mr D. Fossey (Head of Media)

Location: Shaftesbury - S0.02

Email: dfo@sydney-r.bardaglea.org.uk

Did you know?

In 2013, UK children spent more time using media products than doing any other activity; except for sleeping!

PHOTOGRAPHY

Subject Description

If you enjoy developing your visual skills. Being creative, enthusiastic and imaginative. Experimenting and taking risks with your work, then our GCSE Photography is the ideal subject for you.

You will, ideally have some experience of using a camera to take pictures, together with some knowledge of contemporary and historical art and design. More importantly, you should have a commitment to, and love of the subject and feel motivated to develop your visual skills and express your ideas in working through projects and assignments. **You must also be prepared to write about your work in detail.**

The GCSE covers a range of activities and in-depth assignments. You will have the opportunity to experiment with different media in order to explore your strengths and preferences. Whatever you choose, the main aim of the course is to develop your visual language skills and for you to build a comprehensive portfolio of work to progress to further courses or employment.

Specification Details

Edexcel GCSE - Photography

Course Requirements

Unit 1 - Personal Portfolio in Photography (*Internally set and marked; assessed through controlled assessment.*)

Unit 2 - Externally Set Assignment in Photography (*Externally set theme and internally marked.*)

Each unit is assessed separately. You will be assessed using 4 assessment objectives of develop, review/experiment, record and present.

Additional Information

On completion of your GCSE Photography course, you could progress to further education.

Southern Consortium Courses at Level 3 include:

- GCE AS Photography
- GCE A Level Photography

If you choose to look for a job, you will have a portfolio of work that will evidence your ability to pursue a two-year GCSE course in Art and Design, covering different assignments and producing a range of work.



Contact

Mr D. Wright (Head of Art and Design)

Location: Art Studio Lester Building
Email: dwr@sydney-r.bardaglea.org.uk

Did you know?

- Cameras are made for right-handed people?
- The first photograph was an image produced in 1826 by the French inventor Nicéphore Niépce on a polished pewter plate covered with a petroleum derivative called bitumen of Judea?
- The first permanent colour photo was taken in 1861 by the Scottish physicist James Clerk Maxwell, but that the first fully practical colour film, Autochrome, did not reach the market until 1907?
- Today we snap as many photos every two minutes as humanity as a whole did in the 1800s?

PHYSICAL EDUCATION (VOC)

Subject Description

BTEC PE encourages personal development through practical participation and performance in a range of sports and exercise activities. It gives learners a wider understanding and appreciation of health-related fitness, sports and exercise through a selection of optional specialist units.

Specification Details

BTEC PE encourages learners to develop their people, communication, planning and team-working skills by selecting from optional units available including:

Unit 1: Fitness Testing (External Exam)

Unit 2: Practical Sport (Internal Unit)

Unit 5: Training for Personal Fitness (Internal Unit)

Unit 6: Sports Leader (Internal Unit)

- The grades range from Level 2PP to Level 2D*D*
- Learners who achieve at least a Level 2 PASS is the equivalent of 1 GCSE grade C
- Learners who do not achieve at Level 2 may be awarded a Level 1 grade.

Course Requirements

The course is predominantly internally assessed and coursework based. However, 25 per cent of the qualification is externally assessed. Edexcel sets and marks these assessments.

To complete the course each student must study four units

3 units are Internally Assessed through coursework

1 unit of the qualification is externally assessed.

Edexcel sets and marks these assessments.

Additional Information

The course consists of 2 x (1 hour) practical and 2 x (1 Hour) theory lessons a week.



Contact

Ms D. Kemp (Subject Leader)

Location: Kingsley - PE Office

Email: dke@sydney-r.bardaglea.org.uk

Did you know?

For more than 25 years, BTECs have earned their reputation as well-established, enduringly effective qualifications. They have a proven track record in improving motivation and achievement among young learners.

PRODUCT DESIGN

Subject Description

Product Design is a subject area concerned with analysing existing products and systems and suggesting ways of improving and developing possible alternatives. It requires an understanding of practical solutions when evaluating, developing, planning and producing products. The skills developed, through the practical outcomes, will underpin all of the knowledge and processes learnt. Areas covered include Graphics, Textiles and Resistant Materials

Specification Details

The specification is offered by AQA exam board (Design Technology: Product Design 4555)

Course Requirements

The course is made up of an externally assessed written exam (40%) and a 45hr coursework element (60%).

The areas of study covered fall into two main categories, Designing Skills and Making Skills. These will involve students in:

- Developing design briefs in relation to product development;
- Considering the conflicting demands that effect the designing of products;
- Health and Safety issues affecting both manufacture and end user;
- The ability to match materials, components, tools, equipment and processes in order to produce quality products;
- The knowledge and use of a range of industrial applications and processes;
- Manufacture of products, singly and in quantity, including quality control and quality assurance techniques;
- The use of Computer Aided Design (CAD) and Computer Aided Manufacture (CAM) in single item, batch or volume production.

Additional Information

If you are considering taking an A-Level in any of the design/engineering subjects or are considering a career in a design or engineering related profession then this course will give you the skills needed to move towards your goal.



Contact

Ms N. Evers (Head of Design & Technology)

Location: Lester Building - L0.08

Email: nev@sydney-r.bardaglea.org.uk

Did you know?

Great Britain has a shortage of Designers and Engineering which has led to competitive pay and a wide range of engineering sectors to work in.

RELIGIOUS EDUCATION

Subject Description

The course consists in-depth units of.

- Religion and Human Relationships.
- Religion and Medical Ethics.
- Religion and Equality.
- Religion, Poverty and Capital wealth.
- Religion, Peace and Justice.

Specification Details

Unit B601: Philosophy 1

(Deity, Religious and Spiritual Experience, End of Life)

Unit B602: Philosophy 2

(Good and Evil, Revelation, Science)

Unit B603: Ethics 1

(Relationships, Medical Ethics, Poverty and Wealth)

Unit B604: Ethics 2

(Peace and Justice, Equality, Media)

Course Requirements

The GCSE course is externally examined by examiners

The students have 2x2 hour exams over a period of one month.

The first exam the students are externally examined in Units B601 and B602.

The second exam the students are externally examined in Units B603 and B604.

There is no coursework.

Additional Information

This course is open to everyone. You do not have to be religious to study Religious Education.

It is increasingly important to study religion because we are living in an increasingly diverse, multicultural country. Being familiar with the religions of others can help foster positive human interactions in society.



Contact

Mr C. Sullivan (Head of Department of Civics)

Location: Kingsley - K1.26

Email: csu@sydney-r.bardaglea.org.uk

Did you know?

There are more than 10,000 distinct religious groups in the world.

Dogs are mentioned 14 times in the Bible, and lions 55 times, but domestic cats are not mentioned at all.

Buddhism currently has about 376 million followers and is generally listed as the world's fourth largest religion after Christianity, Islam and Hinduism. With about 1.57 billion Muslims comprising about 23% of the world's population, Islam is the second-largest religion and arguably the fastest-growing religion in the world.

KEY STAGE 4

SUBJECT INFORMATION BOOKLET



XCELLENCE FOR

THE SYDNEY RUSSELL SCHOOL