



ACADEMY
SIXTH FORM

TRANSITION WORK BOOKLET

Summer 2023

Subject Leaders have provided a range of suitable transition activities that you can complete before starting your A Levels. These activities will support your learning and also allow you to have an insight to the subjects before making your final subject choices in August.

Subject: Art and Design/Textile Design

Curriculum Leader: Miss M Jeanneret

Exam Board: AQA

Suggested Transition Work:

Please watch the YouTube video <https://www.youtube.com/watch?v=rBtQXZuGrQ> which shows an example of a strong A Level project on the theme of 'organic structures'.

You are to create a series of detailed drawings relating to the theme of 'organic structures' such as leaves, flowers and natural forms. These can be done in any material of your choice.

You are also to create a research page on an artist/designer who looks at organic structures. There are some examples of these within the video which you could use. You are also welcome to find your own artist to research.

Subject: Biology

Curriculum Leader: Miss L Smith

Exam Board: AQA

Suggested Transition Work:

Write an essay on the following topic:

How microscopes have contributed to our understanding of living organisms.

Your work must be handwritten; it should be a maximum of 4 sides of A4, no less than 2 sides. You should write your essay in continuous prose.

Writing the essay will take about 40 minutes, maximum 1 hour.

Researching the essay on the internet will take 1 hour 30 minutes.

Planning the essay will take 20 minutes.

This task will help you be selective with material, develop your literacy skills and expand your awareness of the broad topic of Biology and how our understanding has developed over time.

Your essay will be marked for its scientific accuracy.

It will also be marked for your selection of relevant material and for the quality of your written communication.

The maximum number of marks that can be awarded is:

Scientific	16
Breadth of knowledge	3
Relevance	3
Quality of written communication	3

This essay will allow your teacher to learn your writing style and how to best guide you in developing your skills throughout your A Level to enable you to write your best synoptic essay similar to this in your final exam paper on any content you have studied in the two years.

Subject: Business

Curriculum Leader: TBC

Exam Board: Edexcel

Suggested Transition Work:

The objective of the work set is to give you a broad overview of A Level Business. Many of you will have studied the subject before, but there will be a number of you for whom Business is new.

If you can access it, watch this video:

<https://www.my5.tv/inside-aldi-britain-s-biggest-budget-supermarket>

Next, have a go at the following worksheets, which are based on Aldi, and take a look at some of the key business concepts that we will look at over the next two years.

<https://drive.google.com/file/d/131OK2fAZ2wMHR-MfDL4p9YOE9sn2b5Jh/view?usp=sharing>

https://drive.google.com/open?id=1JpCf2FU6_cVrQYxeWXVnwiM8KEbbyo_k

<https://drive.google.com/open?id=1WEMcOSEeXq2LHfEaaUF--o1Vk5mcXeQ6>

<https://drive.google.com/open?id=1t3RP-UmsxpYiaon152gtyYBPc5bY39fL>

Exam Board: AQA

Suggested Transition Work:

1. Memorise the following ion formulas:

Positive ions		Negative ions	
Name	Formula	Name	Formula
Hydrogen	H ⁺	Chloride	Cl ⁻
Sodium	Na ⁺	Bromide	Br ⁻
Silver	Ag ⁺	Fluoride	F ⁻
Potassium	K ⁺	Iodide	I ⁻
Lithium	Li ⁺	Hydroxide	OH ⁻
Ammonium	NH ₄ ⁺	Nitrate	NO ₃ ⁻
Barium	Ba ²⁺	Oxide	O ²⁻
Calcium	Ca ²⁺	Sulfide	S ²⁻
Copper(II)	Cu ²⁺	Sulfate	SO ₄ ²⁻
Magnesium	Mg ²⁺	Carbonate	CO ₃ ²⁻
Zinc	Zn ²⁺		
Lead	Pb ²⁺		
Iron(II)	Fe ²⁺		
Iron(III)	Fe ³⁺		
Aluminium	Al ³⁺		

2. Memorise the following standard equations:

Acid + Base → Salt + Water

Acid + Metal → Salt + Hydrogen

Acid + Carbonate → Salt + Carbon Dioxide + Water

3. Conduct some research into a chemical element of your choice:

For your chosen element:

List key physical properties.

Give the full electronic structure in terms of s, p, d and f. Find out more about this by visiting <https://www.chemguide.co.uk/atoms/properties/elstructs.html#top>.

How was this element discovered?
Why is it named as it is?
Give some fun/interesting facts about it.

4. Extension work:
Read around the subject!

Many of you will have a desire to go onto university. Getting on almost any of the courses requires evidence that you have a genuine interest in the subject you have chosen. Universities will expect you to have read about your A Level subject choices BEYOND the specification. Your A Level teachers will also expect you to take an interest in the subject.

Useful websites:

- <http://www.chem.ox.ac.uk/vrchemistry/foundation.html>
- <http://www.myheplus.com/subjects/chemistry>
- <https://www.chemistryworld.com>
- <http://www.chemguide.co.uk>
- <http://www.periodicvideos.com>
- <http://www.a-levelchemistry.co.uk>
- <https://www.physicsandmathstutor.com/>

Documentaries (on YouTube):

- Chemistry: A Volatile History (parts 1, 2 and 3) – BBC 4 documentary.
- Secrets of the Super Elements – BBC 4 documentary.

YouTube Channels to support A-Level Chemistry:

MaChemGuy

Dr Beattie's Chemistry Essentials

FreeScienceLessons

Allery Chemistry

Science with Hazel

Chemistry books:

The Disappearing Spoon, S Kean

Big Bang – a History of Explosives, G I Brown

The Chemistry of Life, S Rose

Molecules at an Exhibition, J Emsley

Napoleon's Buttons, Penny Burreson

Out of Gas, D Goodstein

Oxygen, N Lane

Science, Money and Politics, D Greenberg

Uncle Tungsten, O Sacks

Calculations in AS/A Level Chemistry, J Clarke (writes the Chem Guide website)

Practical Chemistry (for AQA), N Henry

Subject: Computer Science

Curriculum Leader: Mrs Y Smith

Exam Board: OCR

Suggested Transition Work:

1. Work on improving your programming skills to include OOP (Object Orientated Programming). There are many online courses in OOP. Try:
 - https://www.youtube.com/watch?v=Ej_02ICOlgs
2. But How Do It Know? Really explains how computers work. They are far simpler than anyone has ever permitted you to believe. It contains everything you need to know, and nothing you don't need to know. No technical background of any kind is required.
 - <http://www.buthowdoitknow.com>

Subject: Drama and Theatre

Curriculum Leader: Mrs L Karim

Exam Board: Pearson

Suggested Transition Work:

Build your knowledge on influential theatre practitioners such as Konstantin Stanislavski, Bertolt Brecht, Antonin Artaud, Augusto Boal, and Steven Berkoff. What were/are their views on theatre? What did/do they believe an audience should experience from theatre?

Some starting points for research:

An Introduction to Stanislavski's style of theatre –

<https://www.youtube.com/watch?v=Z2I657IJJwM>

An Introduction to Brechtian Theatre from The National Theatre –

<https://www.youtube.com/watch?v=l-828KqtTkA>

Subject: English

Curriculum Leader: Miss S Russell

Exam Board: AQA

Suggested Transition Work:

Create a research page for each of the following:

- The French Revolution
- The 1968 Paris Riots
- Fashion
- French Philosophy
- Artists and musicians of France
- French writers
- The history of travelling to Paris
- The cemeteries of Paris
- Tourism in Paris

This will help you with the first unit Remembered Places: Paris.

Secondly, begin to explore how language is used in society. You may decide to look at how this differs depending on age; gender; power; technology.

Google Scholar is a great place to start this research.

Buy and read Frankenstein (Penguin classics version).

Subject: French

Curriculum Leader: Mr H Savadogo

Exam Board: AQA

Suggested Transition Work:

A Level in French is fascinating and you will learn all about the history and culture of French speakers. This course will help you develop confident, effective communication skills in French and a thorough understanding of the culture of countries and communities where French is spoken.

What I need to revise

- Nouns: gender and numbers.
- Articles: definite, indefinite and partitive.
- Adjectives: position, agreement, possessive, comparative, superlative and demonstrative.
- Adverbs.
- Relative pronouns.
- Present tense regular and irregular verbs (être, avoir, aller, faire, devoir, pouvoir, vouloir).
- Perfect tense regular and irregular verbs.
- Imperfect tense regular and irregular verbs.
- Near future tense.
- Simple future tense regular and irregular verbs.
- Conditional tense.
- En + participle present

Links to grammar practise exercises

The Grammar Revision resources on www.languagenut.com are great as you can select what tense you want to revise, read the explanations and complete the exercises. You can do these as often as you like and it gives you a percentage.

Summer work

Please research an aspect of contemporary French society. This can be a news item, for example an event that happened in France this year. It could also be a French song or film that you enjoyed or that has been popularised. You will need to prepare a speaking presentation, to be presented entirely in French. You can use a Power Point containing keywords, facts, pictures and short videos (if necessary) and handouts. It should last between 2-3 minutes. In your presentation, you must include all of the following bullet points:

- The name of your topic/subject.
- Reasons why you chose this topic.
- The what, where, when, who, how questions.
- Why is your topic important/relevant in French society?

Subject: Geography

Curriculum Leader: Miss D Perkins

Exam Board: OCR

Suggested Transition Work:

Have a look at the specification and the units that are covered in A Level Geography:

<https://www.ocr.org.uk/qualifications/as-and-a-level/geography-h081-h481-from-2016>

Spend some time researching the following topics:

Carbon and Water Cycles (pages 15–17 in the Spec):

- Create a basic flow diagram of the 2 cycles.
- Write a few paragraphs on the importance of the 2 cycles.

Coasts (pages 7–9 in the Spec):

Research and create your own revision notes on the following:

- What are the differences between constructive and destructive waves?
- How are tides created?
- What are the processes of erosion on the coastline?

The above are the two topics we start Year 12 with. As these are both physical topics, look at the specification if you are interested in what Human Geography covers. Some topics are optional, but all students must study the unit 'Changing Spaces, Making Places' (pages 19-21 in the Spec). It is likely we will then study human rights and migration under the unit 'Global Connections' (pages 22-29 in the Spec).

Subject: Health and Social Care

Curriculum Leader: Miss S Khanam

Exam Board: OCR Cambridge Technical

Suggested Transition Work:

Become familiar with the Exam Board specification:
Cambridge Technical Extended Certificate in Health and Social Care:

<https://www.ocr.org.uk/qualifications/cambridge-technicals/health-and-social-care/units/#level-3>

Welcome to your Summer Project!

Task 1

You are going to research the “duty of care” in health and social care.

What is the definition of duty of care and why is it important in health and social care settings? How do settings ensure that the staff meet duty of care responsibilities? What is each individual’s responsibility for duty of care? Produce a hand-out for new staff giving details of their responsibility.

Task 2

Investigate one of the hospital/care settings that has been in the news for failing to meet duty of care. Mid-Staffordshire Trust is a good example, but there are others like Morecambe Bay Maternity Services or Winterbourne View for example. Produce a detailed report on the issues they faced and the actions that were taken.

Subject: History

Curriculum Leader: Mr J Mills

Exam Board: AQA

Suggested Transition Work:

Your two main topics will be Germany 1918-1945 and the Tudors 1485-1603. Create a key events timeline for each to familiarise yourself with the periods.

Get to know the issues of the Tudor period by watching this documentary on Henry VIII: <https://www.youtube.com/watch?v=ph7PhP4Qr-M>. Make notes on the things that strike you as important.

Give yourself some background knowledge about the position of Germany in 1918 by watching this documentary: <https://www.youtube.com/watch?v=R9wgefi8lqU&t=4402s>. Make notes on the things that strike you as important.

Subject: Mathematics	Curriculum Leader: Mr A Machin
Exam Board: Edexcel	
Suggested Transition Work: With the use of Sparx Maths, YouTube, Exam solutions and other higher GCSE resources, research and ensure you are fluent in the following areas: <ul style="list-style-type: none">• Indices and Index Laws• Surds• Trigonometry• Expanding Brackets• Factorising and Solving Equations• Solving Inequalities	

Subject: Further Mathematics

Curriculum Leader: Mr A Machin

Exam Board: Edexcel

Suggested Transition Work:

With the use of Sparx Maths, YouTube, Exam Solutions and other higher GCSE resources, research and ensure you are fluent in the following areas:

- Indices and Index Laws
- Fractions
- Surds
- Trigonometry
- Expanding Brackets
- Factorising and Solving Equations
- Solving Inequalities

Research the following topics:

- What are complex numbers?
- Adding and Subtracting complex numbers
- Expanding brackets with complex numbers

Subject: Music

Curriculum Leader: Mr B Sassons

Exam Board: Edexcel

Suggested Transition Work:

Listening

Listen to each of the complex and beguiling pieces of music below. These are stranger, more unusual, and more interesting than a lot of the music we studied at GCSE.

1. Avant Guard Classical
 - a) [Clapping Music – Steve Reich](#)
2. Experimental Pop
 - a) [Kate Bush - Under Ice](#)
3. New Directions
 - a) [Igor Stravinsky - The Rite of Spring](#)

Once you've had a listen I'd love to know your opinions on them! Email me what you thought of extracts 1, 2, and 3 along with a list of some of the more unusual music you enjoy at bsassons@q3academy.org.uk.

Composition

Watch the video below to experience some of the more expressive and advanced composition techniques in 20th and 21st Century composition. Pay attention to the time signatures, manipulation of theme and development, as well as complex and contrasting use of consonance and dissonance.

[Taking the Licc Seriously - Converting a Meme for String Quartet - David Bruce](#)

Performance

Take time to practice your chosen instrument, and prepare a performance of two pieces/songs that total at least 5 minutes in length.

Think about how you are performing the piece; are there clear dynamic contrasts? Do you vary your articulation at all? How are you adding flare to your performance?

Subject: Photography	Curriculum Leader: Miss M Jeanneret
Exam Board: AQA	
Suggested Transition Work: <p>You are to take a range of photographs relating to the theme of 'Texture'. This can be done on a camera or a mobile device. You should get a range of photographs looking at rough and smooth textures, both close up and from a distance.</p> <p>You are to do some research of the photographer, Lucy Shires, and write up your opinions of her work in a Word document.</p>	

Subject: Physical Education

Curriculum Leader: Mrs L Halford

Exam Board: OCR

Suggested Transition Work:

When considering fitness components, 'Strength' can be further split into different types. These are:

1. Strength endurance
2. Maximum strength
3. Explosive/elastic strength
4. Static and dynamic strength

For each of the different types of strength above, research and make notes under the following headings:

1. Definition
2. Sporting examples that use this type of strength
3. How to measure and evaluate (test and protocol)
4. Advantages of the test
5. Disadvantages of the test

Subject: Physics

Curriculum Leader: Miss L Smith

Exam Board: AQA

Suggested Transition Work:

Take a look at the AQA Specification. Many of the topics will be familiar to you because they expand on work that you have studied at GCSE:

<https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408>.

We study the Engineering Physics optional unit at the end of the course. This topic links together many of the other topics from the course and has supported a large number of students in pursuing engineering careers and studies at university.

Completing the following CGP transition books will help to get you prepared for the A Level Physics course:

- CGP Head Start to A Level Physics (ISBN 1782942815)
- CGP A Level Physics: Essential Maths Skills (ISBN 1782944710)

The following website provides some useful information and tips to help support you in the transition from GCSE to A Level Physics:

<https://www.physicstutoronline.co.uk/year-11-to-a-level-physics-transition-work>.

Subject: Politics	Curriculum Leader: Mr J Mills
Exam Board: AQA	
Suggested Transition Work: Watch and read the news regularly. This could include newspapers (or their apps), TV news or radio. Pay particular attention to political stories and keep a news diary of what is happening. Annotate this news diary with your opinions on what you have recorded. Create a timeline of British Prime Ministers since 1945. For each one, find out 3 things they were famous for. This will be easier for some than others! As you are completing the above tasks, start a glossary of key political vocabulary. Keep adding to it whenever you encounter a word you are unsure about the meaning of.	

Subject: Psychology

Curriculum Leader: Miss K Morgan

Exam Board: AQA (7182)

Suggested Transition Work:

During your A Level course you will be learning about how each of the five key approaches from Psychology below can help to explain human behaviour. These include:

1. The Cognitive Approach
2. The Biological Approach
3. The Learning Approach
4. The Psychodynamic Approach
5. The Humanistic Approach

Task 1:

Produce a paragraph to summarise the key concepts of each approach, this should include a definition and a brief outline of what the approach is about, i.e. how they explain human behaviour. You may wish to use the following resources to help you with your research:

<https://www.simplypsychology.org>

<http://www.psychotron.org.uk>

<https://www.tutor2u.net/psychology/collections>

Task 2:

The following are topics that you will study and discuss throughout the duration of the course.

- (a) Faulty or Inaccurate Eye Witness Testimony
- (b) Obsessive compulsive disorder (OCD)
- (c) Obedience
- (d) Attachment
- (e) Phobias

Your task is to research each topic and to provide a definition and brief explanation of each. You may wish to consider the following:

- What is it?
- Why is it heavily studied in Psychology?
- Are there any famous psychologists associated with the topic?

Task 3:

For one of the topics researched (a-e), you must now apply one of the approaches (1-5) as an explanation of the issues. For example, how would the Biological Approach explain OCD? You need to produce a few sentences to explain your choice of approach and to expand on how the approach would explain the issue.

Subject: Religious Studies

Curriculum Leader: Ms H Colley

Exam Board: AQA

Suggested Transition Work:

Research and explain the Trolley Problem and the Prisoner's Dilemma – what does each situation tell you about how moral decisions are made? Do all groups in society agree about what is moral or immoral? Who is most valued in society? Should the majority be valued over the minority? Are your rights more important than other people's? Who has the authority to make all of the decisions listed above?

Watch either the whole of or clips of The Truman Show or The Matrix – what do the films tell us about our perceptions of our reality? Can we ever truly know our own reality? Does the human race live an illusion or 'normal lives'? Does free will exist?

Watch the film Final Destination – do we have free will? Have our choices already been planned out for us? If so, by who or what?

Read a range of newspapers online and engage with the news in differing formats. Look out for news on the death penalty, stealing, testing on animals, organ donation and abortion.

Subject: Sociology	Curriculum Leader: Ms H Colley
Exam Board: AQA	
Suggested Transition Work: Read a range of newspapers online and engage with the news in differing formats. Radio/TV/online/printed – consider how stories are prioritised and time allocated. Keep a weekly news diary – this will build literacy skills for all subjects and expand your awareness of issues and stories in the UK and wider world. Get a broad understanding of current policy in Education – look at GOV.UK. Using the internet, research government policies to support families. Research what is a family? How has the structure of families changed over the last 50 years? Watch the cartoon film Animal Farm, available through YouTube.	