



St. John Fisher

CATHOLIC COMPREHENSIVE SCHOOL

"Deo Reddite Dei"

"Give back to God what belongs to God"

Independent Learning

Year 10

Term 2

Name: _____



Instructions for how to use your independent learning

After school, every day, you should independently research and learn **TWO** subjects from your independent learning. Your class teacher may set you specific tasks. The timetable below gives you an example of how you could structure your time to help you focus each night. It doesn't matter if you don't have that particular subject on that day, just follow the timetable for your home learning. You should spend **half an hour** on each subject.

EXAMPLE OF HOME TIMETABLE FOR STRUCTURING SUBJECTS & YOUR TIME MANAGEMENT

Monday: English and Geography

Tuesday: Science and Art / DT / Food

Wednesday: Maths and History

Thursday: RE and Computer Science

Friday: MFL and Music / Drama

Reading at home

There is also an expectation that you should read a book of your choice for 30 minutes every day.

Be prepared for the class quiz/

Class or group discussion

- Each week your class teacher will set you a task from your independent learning. It may include reading text, watching a video or exploring a website.
- Take detailed notes on key points, concepts and other important details.
- Keep a track of the research tasks and make a checklist to ensure you cover all required aspects of the topic.
- Seek help from your teacher if you find the task challenging and collaborate with classmates for group study sessions.

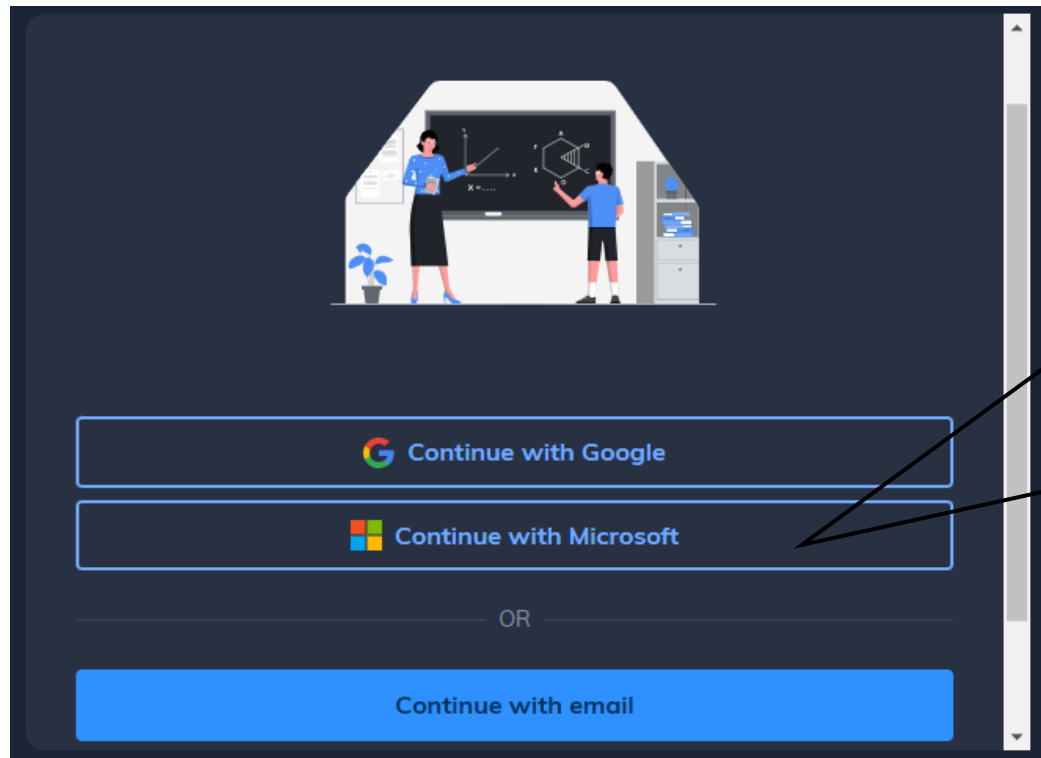
How to research and learn independently:

- Carefully read the assignment instruction and identify key questions or topics that you need to research.
- Take notes – write down important points, quotes or data.
- Ask someone to test you and ask you questions about the topic
- Create mind maps or flashcards on the topic
- Try writing out the key words or vocabulary into new sentences
- Create a mnemonic
- Draw a diagram of the process
- Read further around the subject



How to access Seneca Learning

Go to the website: www.senecalearning.com and click Login



Click “Continue with Microsoft”
Use your school email address that ends with @student.stjohnfisher.school
The password is the same as the password you use to access the school computers and Teams

You will find the work set for your class in “Assignments”

Mathematics Year 10 (Higher)

Week 1:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **reflection and translation**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 5:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Solving simultaneous equations**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 2:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **rotation and enlargement**

Construction drawing

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 6:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Solving simultaneous equations with quadratics**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 3:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **factorizing quadratic expression, solving quadratic expression**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 7:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Solving simultaneous equations graphically**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 4:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **constructing and solving quadratic equations**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 8:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **revision on simultaneous equations**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Key vocabulary: rotation, reflection, translation, enlargement, quadratics, simultaneous equations

Mathematics Year 10 (Foundation)

Week 1:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Drawing line graphs**

Plotting straight line graphs

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 5:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Real life graphs**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 2:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **interpreting equation of line graphs,**

Finding equation of straight line

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 6:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **distance-time graphs**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 3:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **Finding equation of a straight line from gradient and a point, from two points**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 7:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **reflection and translation**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 4:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **solving shape problem involving coordinates, equation of parallel lines**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Week 8:

HOMEWORK

Log into Sparx Maths using the provided log in detail.

Complete the task set on: **rotation and enlargement**

Having log in issues?

Email: e.nyantakyi@stjohnfisher.school

Key vocabulary: straight line graphs, rotation, reflection, translation, enlargement

English

Week 1:

Complete the “Mastering Non-Fiction Writing” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 5:

Complete the “Exploring Non-Fiction Texts: From Biographies to Literary Non-Fiction” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 2:

Complete the “Mastering Sentence Types and Punctuation in Non-Fiction” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 6:

Complete the “Mastering Paper 2 Section A” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 3:

Complete the “Mastering Language Paper 2” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 7:

Complete the “Mastering Language Paper 2: A Guide to Exam Success” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 4:

Complete the “Mastering Writers' Perspectives and Viewpoints in Paper 2” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Week 8:

Complete the “Mastering Language Paper 2: Your Ultimate Guide” assignment on Seneca Learning.

This will be marked automatically by Seneca Learning.

Key Vocabulary: Persuade – Advise – Explain – Argue – Analysis - Evaluation

Science

Week 1: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 5: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 2: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 6: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 3: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 7: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 4: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Week 8: Complete the assignment on Seneca Learning.

This will be marked automatically by Seneca.

Key Vocabulary: metal – reactivity – acid – alkali – salt – redox – oxidation – reduction – evaporation – filter – soluble- insoluble – chemical reaction

Citizenship Rights

Week 1: What are Human Rights?

Carry out research and watch the following link to explain what Human Rights are and why they are important.

Week 2: Research Human Rights in the news.

Bring in at least 5 news articles that are related to Human Rights issues and be prepared to share them with the rest of the class. What Human Rights are being written and talked about?

Week 3: Human Rights in British law

How are Human Rights protected in British law? Carry out research on the 1998 Human Rights Act, including who it protects and how it does this. The link below can help you.

<https://www.youtube.com/watch?v=BtP1XmkKScU>

Week 4: 10m question practice:

‘There is no need for a Human Rights Act in Britain because people are already well protected. Make a list of arguments for and against this view.

Week 5: What are political Rights?

Watch the following link and list at least 5 political rights that exist. For each, explain why it is important.

<https://www.youtube.com/watch?v=zivKO3bSTTw>

Week 6: Legal Rights

Carry out research on The Equality Act 2010. Why was it introduced? How does it protect people?

Week 7: Rights at work

What are your rights at work and how are they protected? Use the following link to help you.

<https://www.youtube.com/watch?v=vV3n720sj-8>

Week 8: 10m question practice.

‘the right to vote is the most important right that we have’. Write a list of arguments for and against this statement.

Key Vocabulary: Human Rights, political rights, legal rights, protection, Trade Unions, mediation, responsibilities.

Geography

Week 1:

Work through the tasks set on Seneca reviewing content from year 9 and 10. This content is focused on the AQA specification.

The assignment will become active on Teams.

Week 2:

Work through the tasks set on Seneca reviewing content from year 9 and 10. This content is focused on the AQA specification.

The assignment will become active on Teams.

Week 3:

Work through the tasks set on Seneca reviewing content from year 9 and 10. This content is focused on the AQA specification.

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Week 6:

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The assignment will become active on Teams.

Week 7:

Work through the tasks set on Seneca reviewing content from year 9 and 10. This content is focused on the AQA specification.

The assignment will become active on Teams.

Key Vocabulary:

Key terms from all year 9 and Year 10 topics. Each week has a different topic focus. You can complete vocabulary tests and checks at www.internetgeography.net.

History

Week 1:

Locate the History revision booklet: ` HVIII and his ministers 'on Teams. Read through pg. 16,17,18. You will be tested on these details in class. Make a flash card for the key details.

Keep these cards safe at home, you will need them for your end of year

Week 5:

Locate the History revision booklet: ` HVIII and his ministers 'on Teams. Read through pg.28,29,30. You will be tested on these details in class. Make a flash card for the key details.

Keep these cards safe at home, you will need them for your end of year PPE.

Week 2:

Locate the History revision booklet: ` HVIII and his ministers 'on Teams. Read through pg. 19,20,21. You will be tested on these details in class. Make a flash card for the key details.

Keep these cards safe at home, you will need them for your end of year

Week 6:

Revise for your end of year assessment

Week3

Locate the History revision booklet: ` HVIII and his ministers 'on Teams. Read through pg. 22,23,24. You will be tested on these details in class. Make a flash card for the key details.

Keep these cards safe at home, you will need them for your end of year PPE.

Week 7

:Revise for your end of year assessment

Week 4:

Locate the History revision booklet: ` HVIII and his ministers 'on Teams. Read through pg.25,26,27. You will be tested on these details in class. Make a flash card for the key details.

Keep these cards safe at home, you will need them for your end of year PPE.

Week 8

Go over all your notes from this term, and fill in any gaps.

Key Vocabulary:

Renaissance. Monarch. Society. Foreign policy. Ally. Finances

Sociology Educational Acts

Week 1: What were schools in England like before 1944?

Watch the following clip and write a paragraph explaining what education in England was like before 1944

<https://www.youtube.com/watch?v=CHPNpU9q-yc>

Week 2: How did education change as a result of the 1944 Education Act

Watch the following clip and create a leaflet explaining why and how the 1944 Education Act will improve education for children in England.

<https://www.youtube.com/watch?v=H5hcfBlcCcU>

Week 3: The 1965 Comprehensive system

Carry out research on the changes made by the Labour government to education in 1965, including:

- How the school system changed.
- Why it was changed.

Week 4: Which system do you think works better, the grammar system or the comprehensive system? Give reasons for your answer.

Week 5: The 1988 Education Act

Watch the following clip and explain 5 ways that the 1988 Act changed education in Britain.

<https://www.youtube.com/watch?v=XnsuYK5IQ3U>

Week 6: Make a list of ways in which the 1988 Act improved education and a counter list on the ways where it did not.

Week 7: How did education change in 1997?

Watch the following clip and explain how education changed after 1997.

<https://www.youtube.com/watch?v=8Y9S3woTlek>

Week 8: Evaluation: Which Act has had the biggest impact and why?

- 1944?
- 1988?
- 1997?

Give reasons for your choice.

Key Vocabulary: Tripartite System, Grammar Schools, Technical Schools, Secondary Modern Schools, Comprehensive System, Marketisation, Academies.

French

Week 1:

WR: Hotel review (50 words)

Week 5:

Speaking Exam prep

Week 2:

Vocab Test – World problems

Week 6:

Speaking Exam prep

Week 3:

Vocab Test – Complex opinions

Week 7:

Revise for T2 Assessment.

Week 4:

Speaking Exam prep

Week 8:

Design a Christmas poster or card.

Key Vocabulary:

Latin

Week 1: “da mihi filiam tuam, te oro, Achelous patri Deianira dixit, nam meliorem generum habere non potes”.

How does this conversation reflect the mentality of ancient Roman Society in regards to marriage. Underline the pronouns and explain each of the functions.

Week 2: What do you say about pronouns in Latin in general? Give examples of personal, possessive and demonstrative pronouns.

Write 3 sentences in Latin using pronouns. Indicate gender, case and number

Week 3: Translate into English.

milites in castris laborabant. centurio eos diligenter spectabat. Agricola in medio stabat et imperia dabat. Romani semper parati erant ad pugnam

Week 4: Practice cases. Write out the six cases. What do they mean. Give an example of each.

Week 5 : hic, haec, hoc.

What do they mean? Write out the plural for each one and write a sentence for each pronoun. :

Week 6: Marcus et Lucia in horto ambulant. Sol lucet, et aves cantant. Lucia rosam pulchram videt et dicit: “Cur haec rosa tam rubra est?” Marcus respondet: “Nescio, sed mihi placet.” Deinde Marcus aquam portat ad plantas et rogat: “Visne mihi auxilium dare?” Lucia ridet et eum adiuvat.

Translate into English

Week 7:

Translate into Latin, Write out all the cases and their functions
Marcus and Lucia are walking in the garden. The sun is shining, and the birds are singing. Lucia sees a beautiful rose and says, “Why is this rose so red?” Marcus replies, “I don’t know, but I like it.” Then Marcus carries water to the plants and asks, “Do you want to help me?” Lucia smiles and helps him.

Week 8 Download past paper 2022 from eduqas website. Complete and send it in,:

Key Vocabulary: Castro {camp}, prope (near) monuit {warned), latebant (were hiding), defenssi (tired) , impetum parabant (preparing to launch an attack) milites (soldiers), castra (camp), centurio (centurium), spectabat (was watching)

CoPE

Week 1: Choose a book to read. This could be a story, facts-based book on a topic you find interesting.

This can be a book at home, or one from the school/ local library

Read 10 pages. We will discuss what you have read in class

Week 2:Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 3:Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 4: Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 5:Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 6:Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 7:Continue with your book.

Read the next 10 pages of your book.

You will be giving an update on what is happening to your partner/ class

Week 8:Prepare a 5-minute verbal presentation.

The presentation is on the book you have read.

The presentation should include:

What you enjoyed about the book.

What you didn't enjoy.

If there was another book to be written what do you think would happen in the story.

Key Vocabulary:

Business

Week 1: Role of Business Enterprise

Conduct independent research into the role of entrepreneurship in

- identifying and producing goods and services
- Taking risks, organising resources and making decisions that effectively meeting needs of customers and
- adding value to products and services

Submit an essay of not less than 500 words, to be submitted via Outlook

Week 2: Complete Activity 18: Meeting Customer Needs on worksheet

Analyse how Amazon meets customer needs; How another business of your choice meets customer needs and compare how effective Amazon is against the business at meeting customer needs and make recommendations for improvements, so they meet customer needs more effectively.

Submit via Teams

Week 3: Seneca Practice - Identifying and understanding customer need

- What customer needs are in terms of price, quality of products/services, choice and convenience. Understand the importance of identifying and understanding customers; the importance of understanding customers to effective generation of sales and business survival.

- Answer questions on SENECA learning, using link provided on Teams

Week 4: Purpose of Market Research

Understand the purpose of Market research in

- Identifying customer needs;
- Products and customer needs gaps;
- Reducing risk of product failure and
- Supporting effective business decision making

Produce an essay of not less than 500 words to be submitted via Outlook

Week 5: Methods of Market Research

Understand the different types and tools of Market research

- Primary research
- Secondary research
- Types of Data and their uses in business research:
- Qualitative and Quantitative data

Research and write report of no less than 500 words submit via Teams

Week 6: Market Research Tools and their Uses

- Research Surveys
- Questionnaires
- Focus groups
- Observation

How research data supports effective business decision making

Conduct independent research and prepare for class discussion

Week 7: Market Segmentation

Understanding the meaning of:

- Market segmentation, role and importance
- Identifying market segments
- Types of market segments (demographics, location, lifestyle, income, age)

Complete practice exercise on Tutor2U activity book available on Teams

Week 8: Role and Importance of Market Segmentation in Market Mapping

- Understanding the meaning of Market Mapping
- Understanding the role, importance and significance of effective segmentation in market mapping
- Market mapping and identification of gaps in the market and the competition.

Complete practice exercise on Tutor2U activity book available on Teams

Key Vocabulary: Business Enterprise, Customer Needs, Market Research, Risk, Product failure, business decision making, Primary research, Secondary research, Qualitative data, Quantitative data, Research Surveys, Questionnaires, Focus groups, Market segmentation, demographics, location, lifestyle, income, age, Market Mapping

Art and Design

Week 1:

Research the work of artist Rachel Walker. Present images and information on a PowerPoint slide.

Week 5:

From last week's Abby Diamond research, draw one of her birds. This is a two-part homework. Next week you will add colour.

Week 2:

From last week's Rachel Walker research, draw one of her birds. This is a two-part homework. Next week you will add colour.

Week 6:

Please add colour to your Abby Diamond bird drawing from last week.

Week 3:

Please add colour to your Rachel Walker bird drawing from last week.

Week 7:

Research the work of artist E A Seguy. Present your research on a PowerPoint slide.

Week 4:

Research the work of artist Abby Diamond. Present images and information on a PowerPoint slide.

Week 8:

Create a coloured drawing from E A Seguy's artwork that is based on insects.

Key Vocabulary:

Natural, man-made, flight, butterflies, dragonflies, insects, flying machines, structure, stippling, printmaking, repeating pattern, graphite, graphite powder, texture, pattern, sculpture, papier mâché, textiles, ceramics.

Drama

Week 1 & 2: Section 1 of the devising log.

Spend the next 2 weeks improving your section 1 using my feedback and the booklet. Make sure to upload your work to our classroom on Teams.

Week 3 & 4: Section 2 of the devising log.

Spend the next 2 weeks improving your section 2 using my feedback and the booklet. Make sure to upload your work to our classroom on Teams.

Week 5 & 6: Section 3 of the devising log.

Spend the next 2 weeks improving your section 2 using my feedback and the booklet. Make sure to upload your work to our classroom on Teams.

Week 7 & 8: The Starlight Express- Research & Reviews

Research into the storyline of the Starlight Express in preparation for seeing it on the 8th January. You can find reviews here: [Starlight Express, Troubadour Theatre review: Andrew Lloyd Webber's rollerskating trains classic returns in an immersive production](#), [Starlight Express review: A neon fever dream that leaves you with your mouth wide open | The Independent](#), ['Starlight Express' review — all aboard this mind-blowing, tech-wizard thrill ride | London Theatre](#)

Key Vocabulary: Research, Development & Collaboration, Analysis & Evaluation

BTEC Level 1 Music

1. Song Selection & Research

- Choose a well-known Christmas carol (e.g. “Silent Night,” “Jingle Bells,” “O Come All Ye Faithful”).
- Write a short paragraph explaining why you chose it.
- Research the original style of the carol (e.g. traditional, classical) and list 3 musical features of it (e.g. tempo, instrumentation, mood).

Week 2:

2. Style Analysis

- Pick the new style you want to use (e.g. Rock, RnB, K-Pop, EDM, Pop).
- Listen to 2 songs in that style.
- Make a short list of 5 key features of that style (e.g. strong backbeat, use of synths, vocal effects, harmonies, guitar riffs).
- Submit links or song titles as references.

3. Lyric & Structure Planning

- Write out the lyrics of the carol and decide if you will:
 - Keep them the same,
 - Modernise or adapt some lines, or
 - Add a new section (e.g. rap verse, instrumental break).
- Create a basic structure plan (e.g. Intro – Verse 1 – Chorus – Verse 2 – Chorus – Outro)

4. Beat / Instrumentation Plan

- List the instruments or sounds you will use to match your chosen style.
- Example: For EDM – kick drum, snare, hi-hats, synth pad, lead synth, bass.
- Optional: draw a simple diagram or describe how you want the song to sound (e.g. “big build before the chorus”).

5. Recording Practice

- Record yourself (or a partner) singing or playing **one section** of the carol (e.g. first verse).
- Focus on clear timing and expression.
- If you don’t have access to equipment, rehearse the section and write a short reflection on how it went.

Week 6:

6. Arrangement Development

- Using a DAW (e.g. BandLab, GarageBand, Soundtrap), start arranging your track:
 - Import beats/instrumentation/Add vocals or instrumental parts/Make sure sections are in the correct order.

Experiment with **at least two** of the following effects in your DAW:

- Reverb, EQ, Delay, Panning, Compression

Write down what you changed and why (e.g. “I added reverb to the vocals to make them sound more spacious”).

8. Final Reflection & Evaluation

- Listen to your finished track.
- Answer these questions in a short paragraph:
 - What went well?
 - What could be improved?
 - How well does your track fit the chosen style

Key Vocabulary: Arrangement

Style

Harmony

Rhythm

Loop

Bandlab