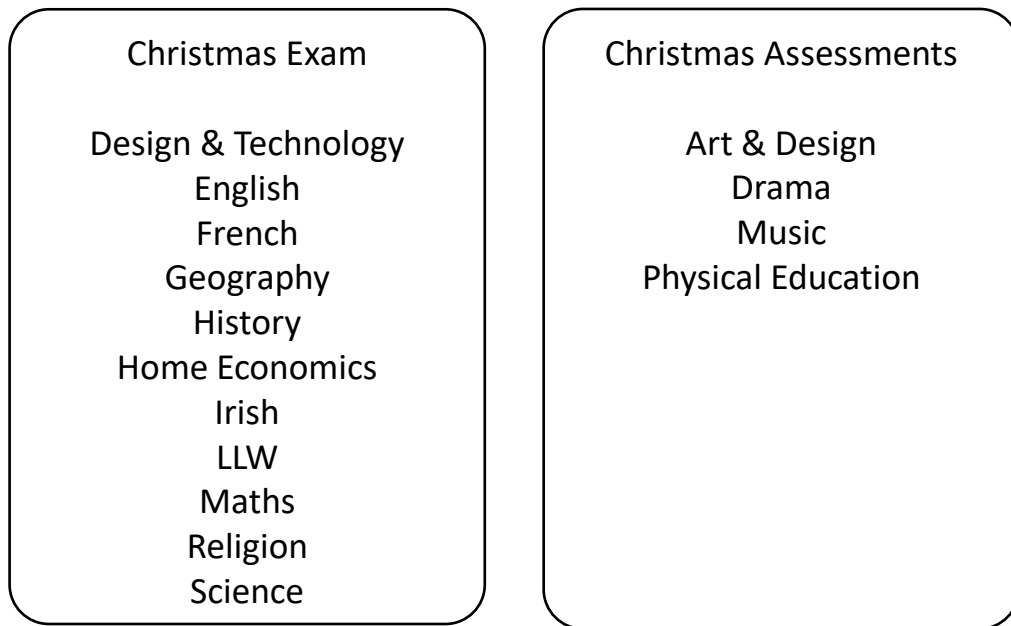


# Revision Booklet

Year 9

# Christmas 2024

Welcome to the Edmund Rice College Christmas Revision Guide. The assessment window will open on Monday 02<sup>nd</sup> December for subjects who do not complete Christmas Exams. Exam week however will begin on Monday 09<sup>th</sup> December- Monday 16<sup>th</sup> December. In the exam window students will follow an exam timetable instead of attending normal classes. Details of which subjects have Christmas assessments, and which subjects have Christmas exams is detailed in the diagram below.



This booklet not only contains the Christmas revision lists for all subjects but it also contains some revision techniques to help students prepare for examinations. QR codes will also direct you to the ERC Assessment website for more information on each subject.

It is very important that all students are fully prepared for the examinations and we would encourage them to come fully equipped with stationery including black pens, pencils, rubbers, rulers, colouring pencils and calculators where required.

All that remains is for us to wish our students the best of luck in the forthcoming exams and for further information please access the ERC assessment website using the QR codes provided.

# Revision - Dos and Don'ts



People struggle with revision because there is not one set of instructions that work for everyone. There are revision techniques that can be used as a guide but some techniques will work for you and some won't. There are some common things that you should think about before you set out to revise.



DO'S

- Get in a routine of revising at a particular point everyday.
- Revise when you are well-rested or at a time when you are used to working.
- Take regular small breaks.

- Depend on when you want to revise (you may never want to!)
- Revise late at night or when you are tired.
- Try to force yourself to work for long periods of time without a break.



DON'TS



DON'TS



- Do you have music playing? (is it distracting?)
- Where is your mobile phone? (Is it beside you?)



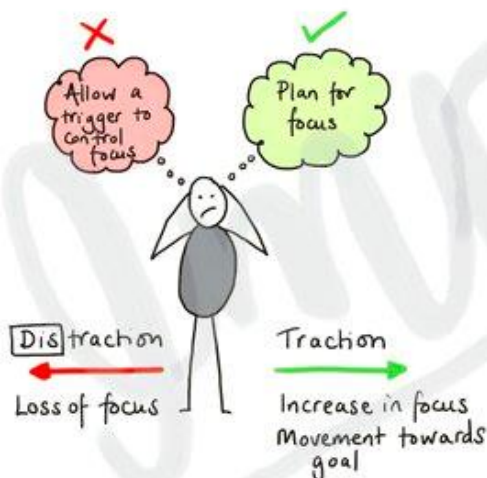
From: Eyal & Li (2019)  
'Indistractable'

## How To RESIST DISTRACTION & increase cognitive control

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Cognitive control is the ability to monitor, reflect on & govern our thoughts & actions. It is linked to attention, working memory & goal management.



### 5 STRATEGIES to increase cognitive control

- 1 Identify & acknowledge potential distractions e.g. tv, music, social media, games, chatter
- 2 Limit access to the distraction - turn phone off, work in a separate room to tv.
- 3 Work & reward in chunks - set a specific time limit on work time, e.g. work for 20 mins, Follow this with 10 mins reward time watching tv, playing outside, on social media.
- 4 Engage other's help - be transparent about the behaviour change. Tell others when you will be unavailable
- 5 Set your own goals. Don't just work to the teacher's deadline, decide how to break up that goal into manageable chunks.






# When should I revise?



In order to revise effectively, you have to think hard. Thinking hard is tiring. Therefore, when you revise, you should choose a time when you find it easiest to focus. This should be a time when you are well-rested and when you are used to working.

## Managing your time when revising

To help you with we are going to try the Pomo techniques. The pomo technique can help you manage your time and work on a task without distractions. It is also beneficial as it helps you become more disciplined and think about your work. The technique is designed to combat multitasking and improve concentration. For example an hour of revision could look like this:

Step 1		Pick a task
Step 2		Set a 15 min timer
Step 3		Work on your task
Step 4		Take a 5 min break
Step 5		Every 3 pomos take a 30 min break



In preparation for your Christmas exams you will have to think about a lot of different things which you will have to juggle. You need to revise independently so you can close specific gaps which you have in your knowledge.

However, because you have to plan your own independent revision, it's easy to forget revision or to only do it in large bursts right before an assessment.

Prioritise your subjects

- List all your subjects
- Rank your subjects from 1 - 12 (1 being the strongest)
- Also consider the order your exams come in during exam week.
- Then rewrite your list in the order you have numbered the subjects.

## Christmas Exam

Design & Technology

English

French

Geography

History

Home Economics

Irish

LLW

Maths

Religion

Science

Your list:

# Writing your timetable



1. Write in everything you have planned prior to creating your revision timetable (Going out for tea, playing sport, Christmas shopping etc).
2. Write in upcoming exams and deadlines.
3. Not every space needs to be full – leave yourself time to relax too!
4. Focus on the subjects in RED first, these are the ones you are least likely to choose – but they are the highest priority,
5. Write in the subjects you are going to cover and when, Be specific around what you will cover each time you sit down to revise.

## WEEKLY REVISION PLANNER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TIME	SATURDAY	SUNDAY
8:30AM – 4PM	SCHOOL	SCHOOL	SCHOOL	SCHOOL	SCHOOL	9AM – 10AM	BREAKFAST / SHOWER	BREAKFAST / SHOWER
4PM – 5PM	HOMEWORK	TV / GAMING / SOCIAL MEDIA	HOMEWORK	TV / GAMING / SOCIAL MEDIA	HOMEWORK	10AM – 11AM	REVISION – ENGLISH	REVISION – SCIENCE
5PM – 6PM	DINNER	DINNER	DINNER	DINNER	DINNER	11AM – 1PM	SEEING FRIENDS / LUNCH	SPORT / LUNCH
6PM – 7PM	REVISION – GEOGRAPHY	HOMEWORK	REVISION – HISTORY	REVISION – FRENCH	REVISION – SCIENCE	1PM – 3PM	REVISION – MATHS	REVISION – FLASH CARDS
7PM – 8PM	REVISION – MATHS	REVISION – ENGLISH	FREE TIME	HOMEWORK	FREE TIME	3PM – 5PM	OUT WITH FAMILY	SPORT / TV / GAMING
8PM – 9PM	FREE TIME / SHOWER	FREE TIME / SHOWER	FREE TIME / SHOWER	FREE TIME / SHOWER	FREE TIME / SHOWER	6PM – 8PM	DINNER / FREE TIME	DINNER / FREE TIME



## WEEKLY REVISION PLANNER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TIME	SATURDAY	SUNDAY



## WEEKLY REVISION PLANNER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TIME	SATURDAY	SUNDAY





## WEEKLY REVISION PLANNER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TIME	SATURDAY	SUNDAY



## WEEKLY REVISION PLANNER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TIME	SATURDAY	SUNDAY

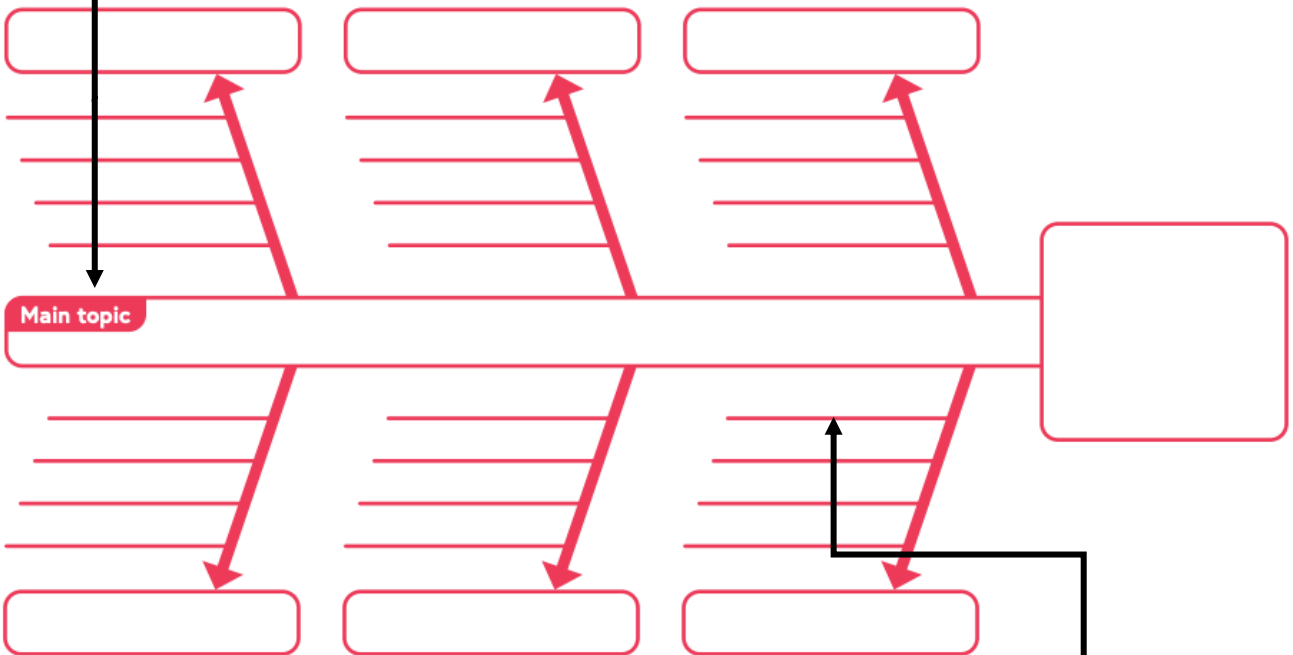


## Starting Point

Add the main topic to be studied. Try to be as specific as possible.

Break the topic down into sections labelling a section with a key word or phrase. Add as many additional sections as needed. This chunking of information supports memory and recall.

Topic: \_\_\_\_\_



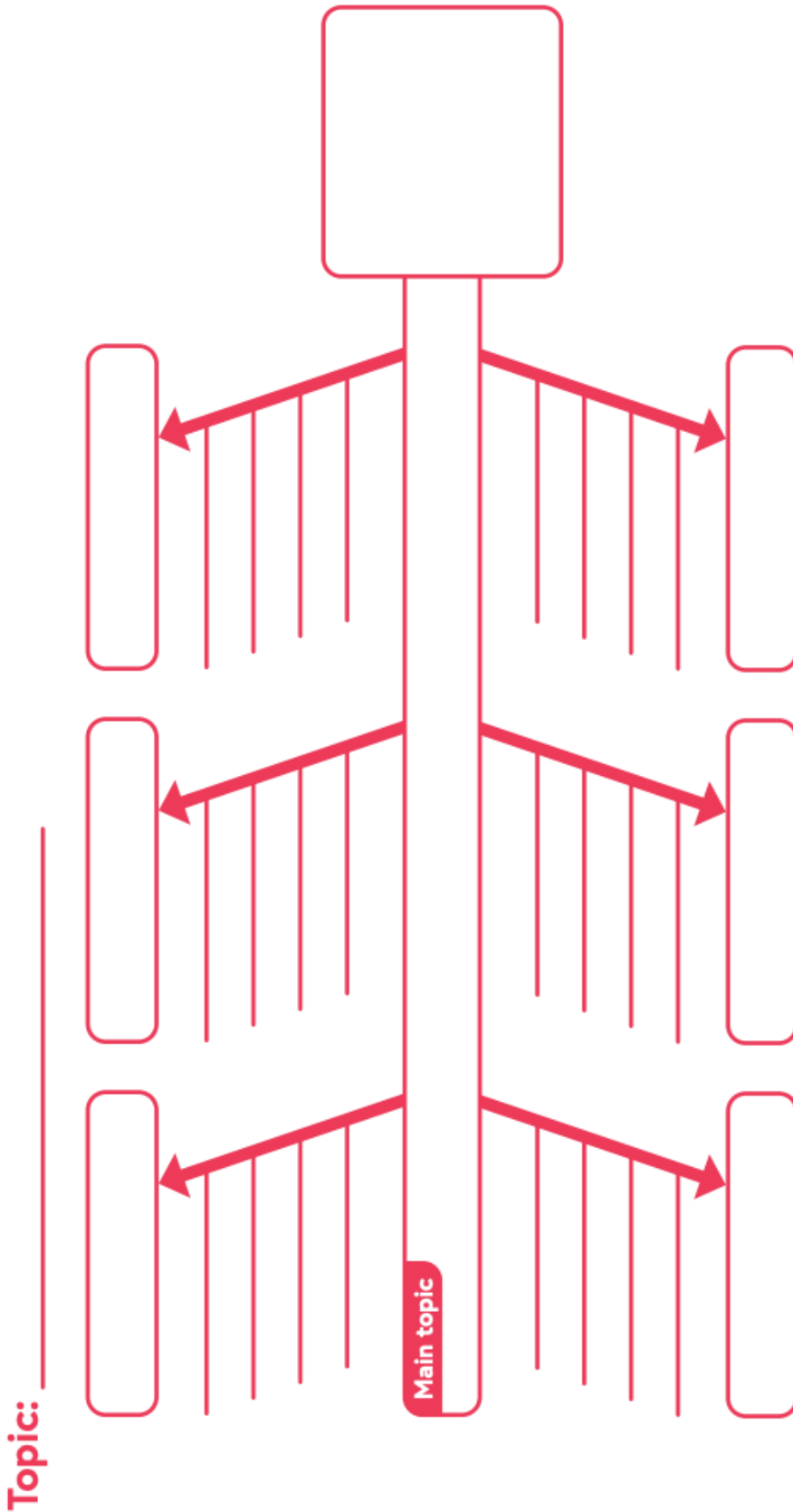
Break each section down into parts. Focus on key words and phrases. Avoid just copying notes across. Add as many small bones as required.

## PURPOSE

This method can be used by students to explore a topic by breaking it down into smaller component parts. This helps to develop and strengthen recall of important information.

## QUICK TIP

Try adding a different colour to each bone section to make them stand out and to support memory and faster recall. You could even add pictures or images to represent the key words and phrases.



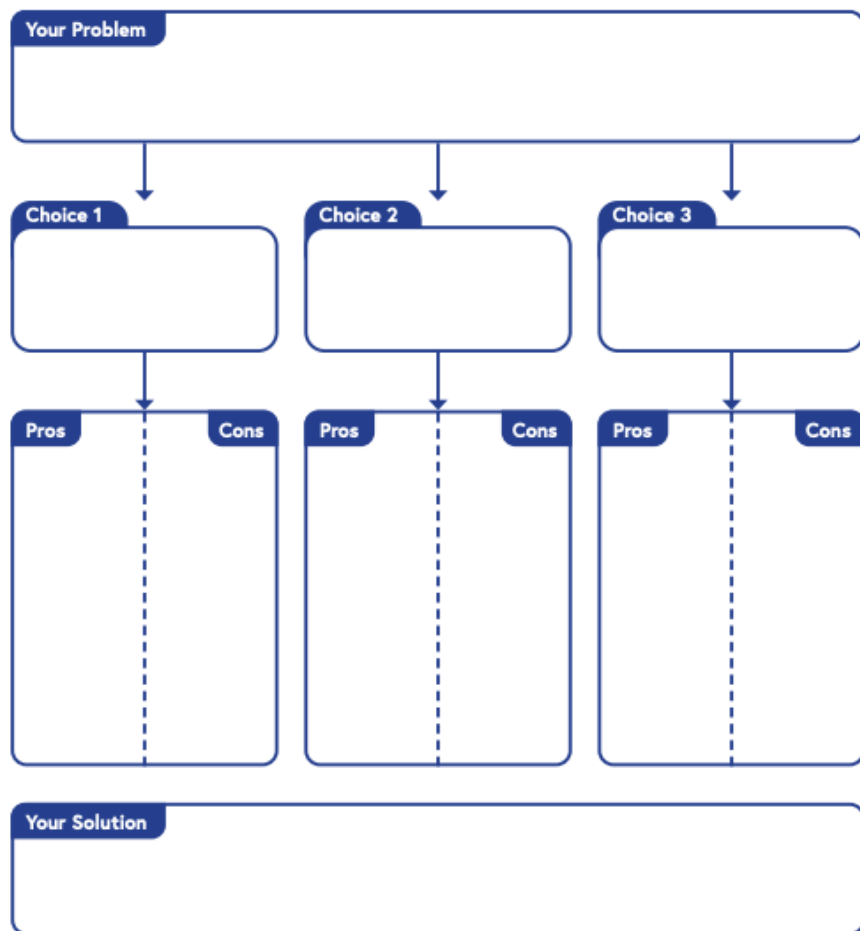
# Problem/Solution Diagram



## Starting Point

State the problem here, e.g. Global warming, Over population growth, Achieving gender equality, to name but a few. It could even be a past paper question.

Topic: \_\_\_\_\_



Present the various choices to solving the problem. There is room for 3 choices. However, more 'choice' boxes can be added if needed. Just be sure you are not repeating the same ones.

Explore the advantages (Pros) and disadvantages (Cons) of each of the choices.

When highlighting the advantages and disadvantages refer to your notes and other thoughts and considerations.

Finally, note down your solution having followed the steps. A summary of the reasons for your final choice can be added as well as your reasons for not choosing the others.

## PURPOSE

This method can be used by students to explore various choices (and options) to solving a problem. It allows each possible approach to be analysed by looking at the 'pros' and 'cons' before presenting a final evidence-based conclusion. It supports the writing of essays or extended pieces of writing.

## QUICK TIP

Try completing the diagram with someone else from your class. You can both agree the choices available and then one of you can consider the 'Pros' and the other the 'Cons'. Then, debate the solution

# Problem/Solution Diagram



Topic: \_\_\_\_\_

<b>Your Problem</b>		
<b>Choice 1</b>	<b>Choice 2</b>	<b>Choice 3</b>
<b>Pros</b>   <b>Cons</b>	<b>Pros</b>   <b>Cons</b>	<b>Pros</b>   <b>Cons</b>
<b>Your Solution</b>		

# ON THE ONE HAND



Starting Point  
Insert the essay title. It can be taken directly from a past paper.

Set out precisely why you agree.

Set out precisely why you disagree.

Essay Title					
I agree because..			I disagree because..		
1st	2nd	3rd	1st	2nd	3rd
Conclusion					

Provide an explanation as to the points of agreement. Explain each point in detail.

Provide an explanation as to the points of disagreement. Explain each point in detail.

Evaluative conclusion. Begin with: 'Overall I agree or disagree with the statement to \_\_\_\_\_ extent because \_\_\_\_\_.'

## PURPOSE

This method can be used by students to provide structure when writing essays and extended pieces of writing. It allows arguments to be clearly set out leading to a clear evidence-based conclusion.

## QUICK TIP

Once the table is completed, directly use it to write the essay. Then on the following, or a different night try completing the essay without it to see the level of detail you can recall. Even try it under timed conditions.



Essay Title	
I agree because..	
1st	
2nd	
3rd	
I disagree because..	
1st	
2nd	
3rd	
Conclusion	





## Starting Point

Choose your process/ progress/ chain of events and review your notes to decide on key points to include on your blockchain.

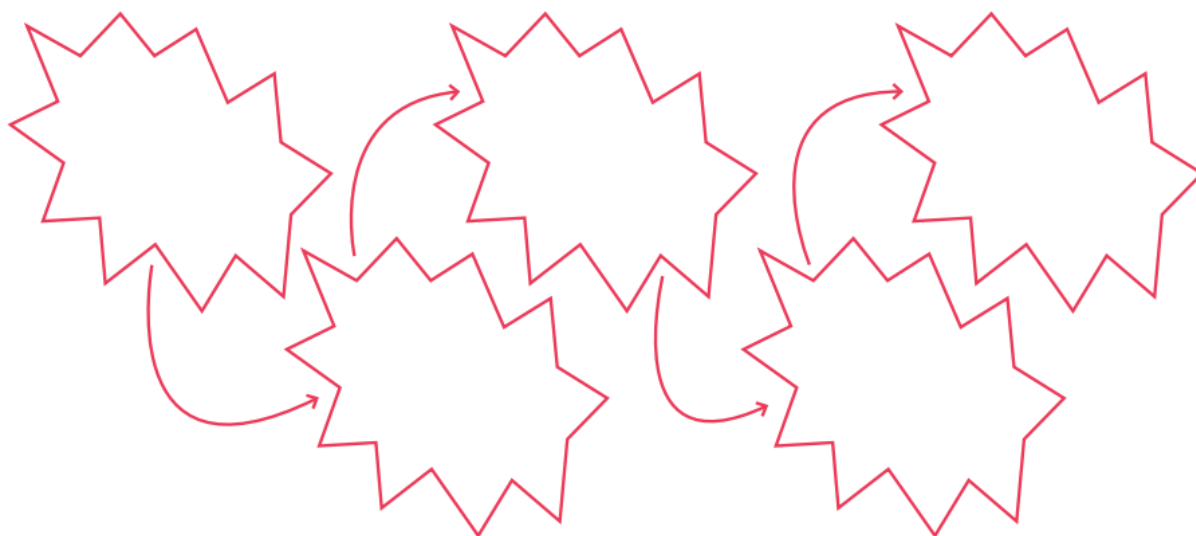
## TOP TIP:

You can use your Blockchain as a quiz tool as well as for notetaking. Include questions / fill in the blanks along your chain to test your recall.

**Subject:** \_\_\_\_\_

**Topic:** \_\_\_\_\_

**Date:** \_\_\_\_\_



The connected shapes follow the order of the arrows to show the chronological steps in the process, in the progression or the explanation of the chain of events.

Use the connected shapes to make a note of the key information in the process / progress / chain of events. Try to stick to key words and brief explanations.

You can have as many or as few connected shapes as you need. Some of your connected shapes may have other connections off it to have further detail / examples.

## PURPOSE

This method can be used by students to visually represent a process, progression or a set of instructions that they need to learn. It allows them to break down the different steps or pieces of information to chunk the learning.

## QUICK TIP

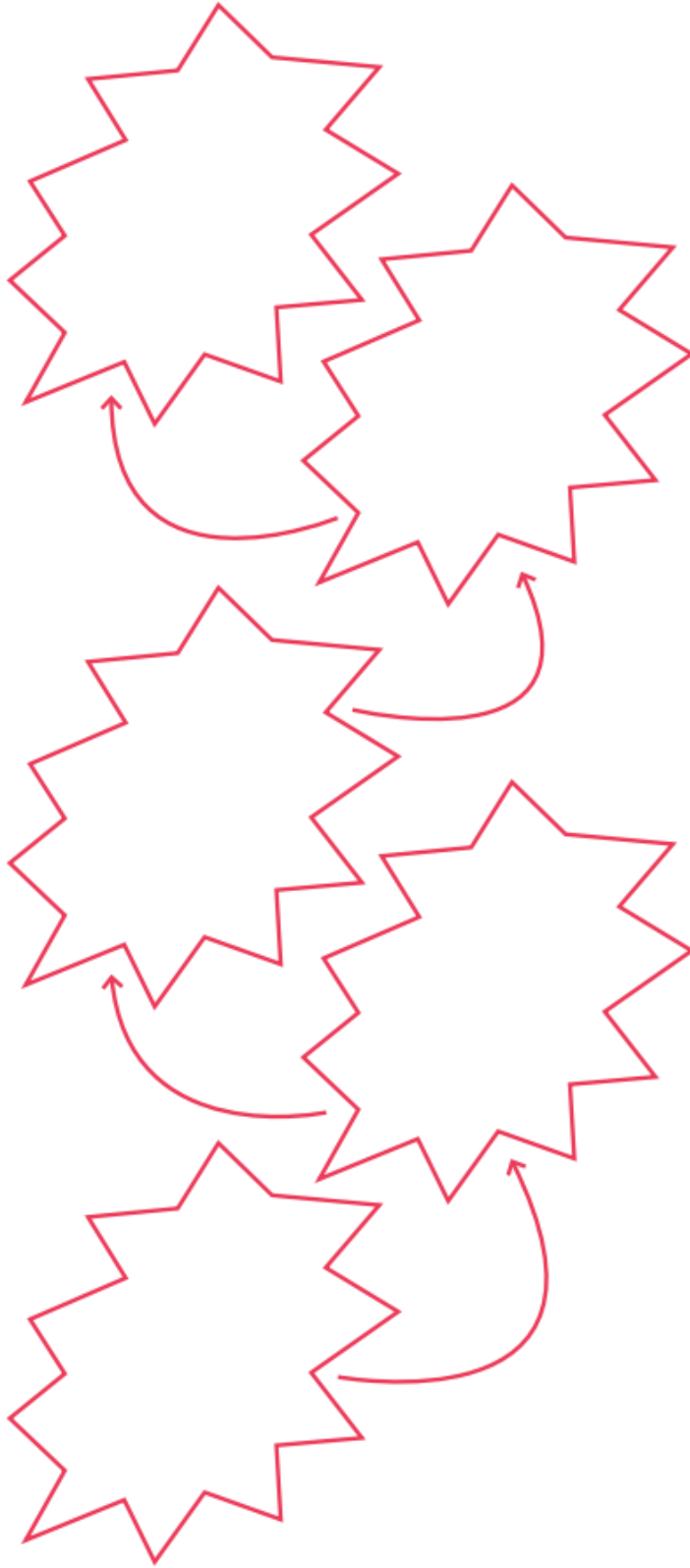
Include illustrations, shapes, colours and even animations to make blockchains more interesting.



Date: \_\_\_\_\_

Topic: \_\_\_\_\_

Subject: \_\_\_\_\_





Topic	What to Learn?	Revision Complete
Photo Frame Project	Important tools in the photo frame	
	Machine Safety	
	How to finish acrylic	
	Redesign a product	
	Pop riveting	
	How to correctly insert a wood screw	
	Wood working tools	

Any additional notes...

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Exam: Reading for Understanding

Topic: Writer's Craft

Resources: Pupils should use notes and work produced in lessons and homework.

## Exam

You must be able to:

- define language devices
- identify language devices in a text
- explain how the writer uses language devices to engage the reader using P.E.E.

## Language Devices to Learn

- Adjective
- Verb
- Noun
- Adverb
- Simile
- Metaphor
- Alliteration
- Rhetorical Question
- Onomatopoeia
- Repetition
- Rule of three/triplets
- Exaggeration
- Exclamations
- Short Sentences

## P.E.E

P- Point – Make your point (include the language device used by the writer)

E- Evidence/example – give a quotation (word or phrase) from the text to support your point

E- Explain – Explain how this evidence supports your point. Pay particular attention to the intended effect on the reader and how it answers the question.



Write a letter to your friend telling them about your school. Add the following points;

- which subjects you love, like, dislike and hate
- which is your favourite subject and why
- your opinion of your teachers
- what facilities there are in school
- use the negative, connectives and intensifiers

Pupils will also be assessed on their reading skills

Any additional notes...

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Topic	What to Learn	Tick
Coasts	Things to do and see at the coast	
	Costal processes – Erosion, transport and deposition	
	4 types of erosion – abrasion, attrition, solution and hydraulic action	
	Longshore drift	
	Coastal landforms – caves, arches, stacks and stumps.	
	Coastal protection techniques	
	Coastal erosion along the east coast of England (Norfolk)	
Population	Key words	
	Factors causing population increase	
	Factors causing population decrease	
	Population pyramids.	

Any additional notes...

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Topic	What to Learn	Tick
The Spanish Armada CAUSES	The names of the monarchs who ruled England-Spain at the time.	
	Know of the 3 reasons why Spain decided to invade England.	
	Be aware of the events surrounding the causes of the Spanish Armada	
Basic facts of the Armada	Who was Francis Drake?	
	What was a Fireship?	
	What was a Galleon?	
	Know the purpose of COLONIES & EXPLORATION.	
	Be aware of the challenges faced by sailors on board an Armada ship.	
On board an Armada ship	Know the challenges faced by the sailors on board an Armada ship.	
Literacy	Practice your basic literacy skills.	

Any additional notes...

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I am able to: ✓ or ✗

Label the eat well guide		
List the 5 groups of nutrients		
Explain the function of the 5 groups of nutrients		
List 2 food sources of each nutrient		
Explain the difference between fat-soluble and water-soluble vitamins		
Explain the function of vitamin A, B, C and D		
Explain the difference between macro and micro nutrients		
Definition of complex carbohydrates and 3 sources of complex carbohydrate		
Definition of simple carbohydrates and 3 sources of simple carbohydrate		
List 2 reasons why food labels are important		
List 3 examples of mandatory information found on a food label		
List 3 examples of voluntary information found on a food label		
Explain the meaning of traffic light labelling		

Any additional notes...

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Topic	Content
Bitmap Graphics	<ul style="list-style-type: none"><li>• What are they?</li><li>• Features</li><li>• Examples</li><li>• Binary code</li></ul>
Vector Graphics	<ul style="list-style-type: none"><li>• What are they?</li><li>• Features</li><li>• Examples</li></ul>
Resolution	<ul style="list-style-type: none"><li>• What is it?</li></ul>
Compression	<ul style="list-style-type: none"><li>• What is it?</li><li>• Lossy compression</li><li>• Lossless Compression</li></ul>

Any additional notes...

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## Laethanta/Míonna (Days and Months)

Laethanta na seachtaine

Míonna na Bliana



## Uimhreacha 1-30

Numbers 1-30



## Mise & Daoine eile

Myself and others

Mise agus mo theaghlach

Súile/ gruaige

Cá mhéad atá i do theaghlach?

Scoil/rang

Aois

Cá bhfuil tú i do chónaí?



## Beannachtaí -

Greetings/General classroom phrases



## An Scoil

Ábhair scoile-Subjects

Rudaí sa seomra ranga -Objects



## Caitheamh Aimsire

Hobbies

Is maith/Ní maith liom

ag (ing)



Any additional notes...

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You will be asked to complete six sections and the questions will be asked from the topics below. Once you are confident that you know each topic, place a tick in the end column.

<b>Topic 1 – Diversity</b>	✓
Write down the meaning of diversity	
Explain how diversity can be seen in different religions	
Describe how diversity is celebrated in NI	
<b>Topic 2 – Belonging to a group</b>	
What the meaning of cultural identity	
Explain one part of your cultural identity	
Explain how a person can show their identity	
Explain influences on a person’s identity	
<b>Topic 3 – Poverty</b>	
Write down the meaning of poverty	
Describe what the terms “absolute” and “relative” poverty mean	
Explain the problems that poverty has on people across the world	
<b>Topic 4 – Homelessness</b>	
Write down the meaning of homelessness	
Describe what the term “sofa surfing” means	
Explain the causes and problems of homelessness	
<b>Topic 5 – Human rights and responsibilities</b>	
Write down the meaning of “Human Rights”	
Describe a human right that all humans have	
Explain the reasons why human rights are important	
Explain the problems that child soldiers face	
<b>Topic 6 – Source Question</b>	
In this question you will asked to read information about anti-social behaviour and answer questions about this.	



You will be asked to complete six sections.

The questions will be asked from the topics below (we have covered these in class).

Once you are confident that you know each topic really well, place a tick in the end column.

<b>Topic 1 - Enterprise</b>	✓
A characteristic of an enterprising person	
A goal which might be set in school	
Explain ways that a person can be enterprising	
<b>Topic 2 - Entrepreneurs</b>	
A person who sets up a business	
One skill that an entrepreneur may need	
Explain how an entrepreneur is so successful	
<b>Topic 3 – Health and Safety</b>	
How to be safe in the workplace	
Why health and safety is important in the workplace	
Explain two health and safety rules in school	
<b>Topic 4 - SMEs</b>	
What does SME stand for?	
Understand the importance of SMEs	
Describe SMEs in your area	
<b>Topic 5 – Source question</b>	
In this question you will asked to read information about why SMEs are important in Northern Ireland and answer questions about this. You will also be asked to include your own information	
<b>Topic 6 – Evaluation Question</b>	
In this question you will asked to: <ul style="list-style-type: none"> <li>• know the advantages of working in a SME</li> <li>• know the disadvantages of working in a SME</li> <li>• give your own opinion</li> </ul>	



- **SparxMaths**- use the 'Independent Learning' tab to access the tasks listed in the table (watch the videos if you are stuck)
- Work through the questions in the revision booklet- they are very similar to those on your exam. Ask your teacher for help if there is anything you do not understand.

	<b>Learning Objective</b>	<b>SparxMaths Code</b>	<b>Completed</b>
<b>1</b>	Use formal written methods for addition, subtraction, multiplication and division of integers	<b>M928, M347, M187, M354</b>	
<b>2</b>	Interpret diagrams as percentages	<b>Q768</b>	
<b>3</b>	Interpret percentages as a fraction or a decimal	<b>M264</b>	
<b>4</b>	Multiply and divide fractions	<b>M157, M110, M197</b>	
<b>5</b>	Calculate a fraction and a simple percentage of an amount	<b>M695, M437</b>	
<b>6</b>	Solve problems involving percentage change	<b>M476</b>	

Any additional notes...

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Topic	What to Learn?	Revision Complete
New Beginnings	Explain how to show a positive attitude to new beginnings.	
	Give examples of how you can help someone make a positive new beginning.	
	Explain the ways Religion class is different from other subjects.	
Creation	Explain what science can tell us about the origins of the universe	
	Recall how the Bible describes the origins of the universe.	
	Explain how humans are made in the image and likeness of God.	
The Environment	List and explain major issues threatening the environment today.	
	List the 5 R's of environmental care.	
	Recall key facts about St Francis of Assisi.	
Agreements	Explain the term Covenant.	
	Retell the story of Moses and the Exodus	
	List the Ten Commandments.	

Any additional notes...

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I am able to....	Tick
Identify position of DNA, Genes and Chromosomes in the Cell	
Describe the Structure of DNA	
Describe what happens at fertilisation	
Label the Male Reproductive System	
Label the Female Reproductive System	
Describe the 2 things that cause Variation	
Recall the types of Continuous Variation	
Recall the types of Discontinuous Variation	
Identify where eggs are released	
Identify where the baby develops	
Recall the length of human pregnancy	
Recall how often an egg is released	
Recall the changes that happen in girls during puberty	
Recall the changes that happen in boys during puberty	

I am able to....	Tick
Recall the name of an Indicator	
Recall the colours and their pH number on the pH Scale	
Identify Acids and Alkalis and Neutrals	
Describe what neutralisation is	
Describe how to neutralise a bee sting	
Explain why a farm might use lime	
Recall the common hazard symbols	
Draw a hazard symbol	
Recall why hazard symbols are useful	

Any additional notes...

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**GENIUS IS ONE PERCENT  
INSPIRATION AND NINETY-  
NINE PERCENT  
PERSPIRATION.**

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**THOMAS EDISON**

**Excellence  
Respect  
Care**