



# Key Stage 4 Art and design Learning Journey

## ASSESSMENTS

### Yr 11 Feb- Exam Unit

The exam unit counts for 40% of the marks. You will be given a theme and a least 10 weeks to prepare a portfolio and a final piece. The final piece will be completed over two days in exam conditions at the end of the preparatory period. The theme is set by the board. We will guide you through the exam paper and show you how to develop ideas and responses to the theme. The portfolio must cover the four assessment objectives.

*Why?* This tests your ability to develop your ideas in a given period of time. You will be expected to meet deadlines and work with greater independence. The final piece will be produced in exam conditions

YEAR 11

Yr10 in to YR 11

## Unit2 Reflections

You will explore a single theme from YR 10 into YR11. This will allow you to work in depth with increasing independence. You will become more confident about the way that you want to work and the techniques and materials that you wish to explore. We will look at a wide range of techniques and media as you develop your ideas. You will start to identify the features of your own way of working as you become more familiar with artists' work and the language used to analyse your work and the work of other artists. Annotating your work will help you to understand your ideas and express your ideas both visually and verbally. You will produce a portfolio and at least two final pieces in response to the theme. The skills you learn on this project will be tested in the exam unit.

*Why?* Art and Design is about developing your understanding of visual language in order to develop ideas with increasing subtlety and confidence. This project/theme will allow you to do this. The skills you learn are central to careers in Art and Design where you will be expected to develop ideas and show resilience and creativity

## ASSESSMENTS

*Yr10 Art and Design is a coursework based subject.*

*You will be expected to produce two units of coursework. This will account for 60% of your final mark.*

### Unit1 People, Places, Spaces.

The first project builds on the visual language skills and the personal responses that you have made in Key Stage 3. You will be expected to develop a project/portfolio in response to the theme. You will be supported through the initial stages as you increase your recording skills and learn how to research, explore and develop ideas. You will be shown how to create the portfolio and the final piece.

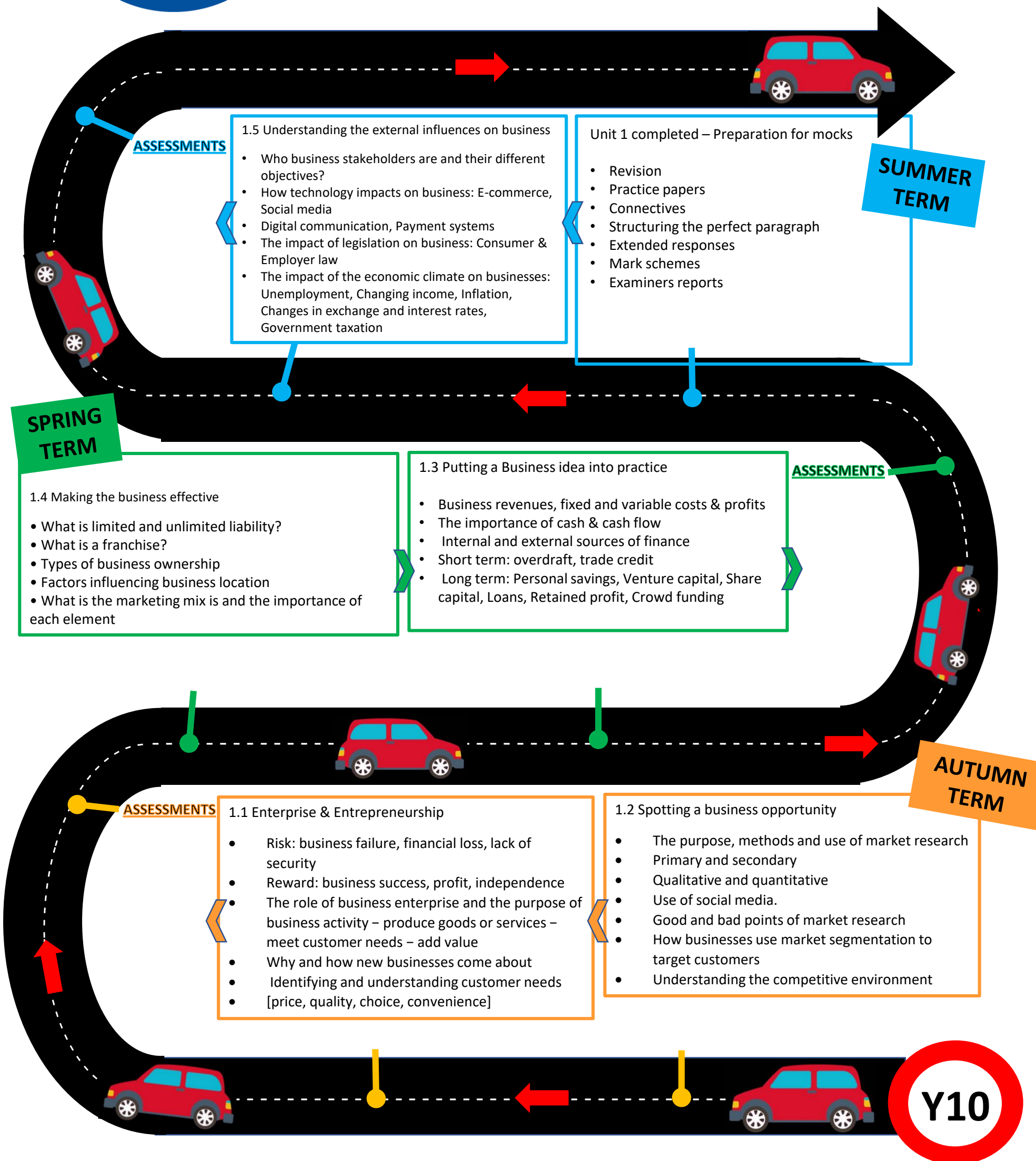
*Why?* This project will enable you to work in depth on your work and construct a coherent portfolio which covers the requirements of the exam board. The project allows you to gradually learn new techniques and to gain a firm understanding of how the visual elements can be understood and developed in your work. You will develop a personal response and be shown how to sustain and develop ideas in response to the theme.

## ASSESSMENTS

Year 10



# Year 10 GCSE Business Learning Journey





# Year 11 GCSE Business Learning Journey

## ASSESSMENTS

Revision and Preparation Theme 1 and Theme 2

External revision workshop

- Revision – back to Theme 1 - RP
- Practice papers
- Connectives
- Structuring the perfect paragraph
- Extended responses
- Mark schemes
- Examiners reports

Revision and preparation

To include timed papers

SUMMER TERM

SPRING TERM

2.5 Making human resource decisions

- Organisational structures
- Communication
- Ways of working
- Job roles and responsibilities
- How businesses recruit people
- Training, developing & motivating employees

2.4 Making financial decisions

- Procurement: working with suppliers
- The impact of logistics & supply
- Quality control & assurance
- Customer service and engagement
- The concept and business calculation of profit and margins
- Using and interpreting data to make informed business decisions
- The use and limitations of financial information

ASSESSMENTS

## ASSESSMENTS

2.2 Making marketing decisions

- Using the marketing mix to make business decisions:
  - Product
  - Place
  - Pricing
  - Promotion

2.3 Making operational decisions

- Production processes (Job, Batch, Flow)
- The impact of different types of production process
- Impacts of technology on production
- Managing stock

2.1 Methods of growth

- Internal (organic) and External growth
- Public Limited Companies
- Sources of finance for growing and established businesses
- Globalisation: imports, exports, multinationals, locations
- Why business aims change
- Barriers to international trade
- Ethics, the environment and how they impact on business
- The role of pressure groups on business decision

AUTUMN TERM






Y11




# Why do I study **Child Development**?

*You will have the opportunity to hone a range of skills in every unit, but there will be a keen focus on a skill and/or quality in each unit.  
These are mapped using the symbols.*

## What **transferrable** skills will I gain?

	<b>Communication</b> <i>Listening and responding to others</i>
	<b>Team Working</b> <i>Working with others to solve problems</i>
	<b>Interpersonal Skills</b> <i>Understanding social 'norms' e.g. turn-taking</i>
	<b>Analytical Skills</b> <i>Applying logic to unpick and evaluate</i>
	<b>Problem Solving</b> <i>Finding and implementing solutions</i>

## What **qualities** will I develop?

	<b>Self-Reflective, Resilient and Adaptable</b> <i>You will think about and change your own performance</i>
	<b>Empathy and Compassion</b> <i>Understand the feelings of others</i>
	<b>Cultural Awareness</b> <i>Values, beliefs and perceptions of our own and other cultures</i>
	<b>Self Motivated</b> <i>Understand the importance of working hard for your own gain</i>
	<b>Curious and Inquisitive</b> <i>Ask your own questions; find your own answers</i>





Off to  
your  
future

FINAL  
EXAM!

Revision  
Sessions

STUDY  
LEAVE

Summer 1:  
Revision  
and exam  
practice.

Spring 2  
child study

Nursery visits, write  
up visit plan and  
observe children.  
Complete RO59

Spring 2:  
Exam and  
Revision  
practise.  
Knowledge  
retrieval

Spring 1:  
Milestones of development  
from birth to 5 years  
Factors affecting growth and  
development

Mock Exam

Autumn 2:  
Complete  
RO58

Autumn 1:  
RO58 Feeding options  
Breast vs bottle feeding

Year  
11

Summer 2: Revise  
and retrieve  
knowledge from  
the start of the  
year to aid end of  
year  
assessments.

Summer 1: RO58  
Nutrition  
Coursework on  
childhood nutrition,  
eat well plate, food  
groups.

Autumn 1-Spring 1:  
RO58- baby equipment  
Comparing, selecting  
and rejecting a range of  
equipment of children  
age 0-5 years.

Spring 1:  
Children's health and safety  
Childhood illness, vaccines,  
safety in the home, internet  
safety, hospital visits, first  
aid course, eu compliance  
on goods.

Autumn 2:  
Pregnancy,  
labour and  
birth, care for  
a new born

Autumn 1:  
The role of  
the family,  
contraception,  
puberty

Year  
10

# Cambridge National Level $\frac{1}{2}$ Child Development

**Learning Journey**  
2-year Curriculum  
New Spec from 2022



# Year 10 Computer Science Coding Learning Journey



## Python Projects

Using all your python knowledge to have a go at planning and coding these python mini programs.

## Written Assessment

## Problem Solving

When given a problem sometimes it can feel daunting to tackle. Here you will learn how to deal with large problems

- Understand the terms Abstraction & Decomposition
- Be able to construct a flow diagram to break down problems

## Functions & Procedures

Often when writing code it can be repetitive which a for loop can't repeat.

- Be able to recognise when to use a function/procedure
- Understand what is meant by the terms parameter & return
- Be able to use a function to reduce repeated code

## Written Assessment

SUMMER TERM

## Using Files

Python only remembers variables while the program is running, files help us store and retrieve information when we want to save it for later.

- Be able to understand how to save and open files.

## Python & Data Types

Learn about the basic data types that are used in programming.

- Learn the different data types used in python
- Practice the basic programming constructs using the programming language python
  - If Statements
  - For/While Loops

## Data Structures

Data structures store a collection of data types under one variable name

- Understand where to use arrays
- Be able to create and access information from arrays
- Be able to create and access information from 2d arrays

## SQL

SQL is a language for accessing databases. We will cover the very basics of creating an SQL statement.

- Be able to understand how to construct an SQL statement

SPRING TERM

## Boolean Logic

Logic gates help us to understand how simple actions like binary addition can be performed in a computer.

- Recap our knowledge of Logic Gates from Year 9
- Learn the new symbols that apply to logic gate
- To understand how logic gates are used in a computer

## Written Assessment

## Data Representation

All data is stored as 1s and 0s, how can all data that we use in every day life be stored as a combination of 1s and 0s?

- Be able to transfer between binary, denary and hexadecimal
- Be able to perform binary addition
- Be able to explain how certain data types are stored in binary
- Understand how data can be edited to allow it to be stored in less bits

AUTUMN TERM





# Year 10 Computer Science Theory Learning Journey



## System Security

This unit introduces you to the concept of system security. You will learn about the following:

- The threats posed to networks including: malware, phishing, brute force attacks, denial of service attacks, data interception and theft, the concept of SQL injection and poor network policy
- Identifying and preventing vulnerabilities including: penetration testing, network forensics, network policies, anti-malware software, firewalls, user access levels, passwords and encryption

### Written Assessment

## Python

Any extra time in the course will be used to help develop your python skills.

SUMMER TERM

## System software

This unit introduces you to the concept of system software. You will learn about the purpose and functionality of systems software including:

- User interface, memory management/multitasking, peripheral management and drivers, user management and file management
- Utility system software including: encryption software, defragmentation, data compression and the role and methods of backup.

## Networks and Topologies

This unit introduces you to the concept of networks. You will learn about the following:

- Different types of networks including LAN (Local Area Network) and WAN (Wide Area Network)
- Factors that affect the performance of networks
- The different roles of computers in a client-server and a peer-to-peer network
- The hardware needed to connect stand-alone computers into a Local Area Network
- DNS (Domain Name Server), hosting and the cloud

### Written Assessment

SPRING TERM

## Memory & Storage

This unit introduces you to the concept of memory in computer systems, the different types and their uses. You will learn about the following:

- The different types of memory
- The attributes of these memory types
- What each type of memory is used for

### Written Assessment

## System Architecture

This unit introduces you to the basic design of computer systems. You will learn about the following:

- What is the purpose of the CPU
- What is Von Neumann architecture
- What are the common CPU components and their function
- The fetch and execute instructions stored in memory
- How common characteristics of CPUs affect their performance
- What are Embedded systems

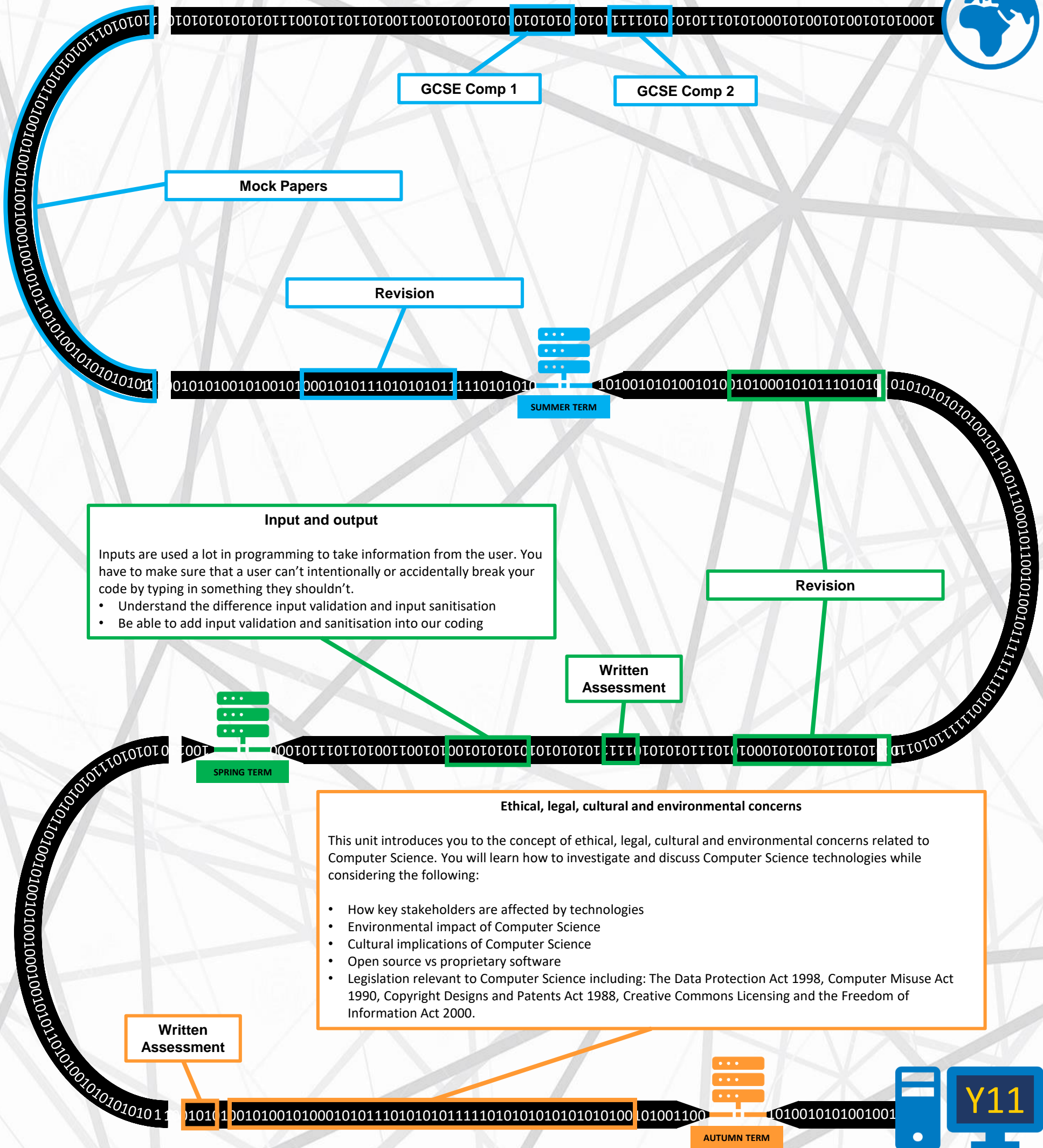
AUTUMN TERM





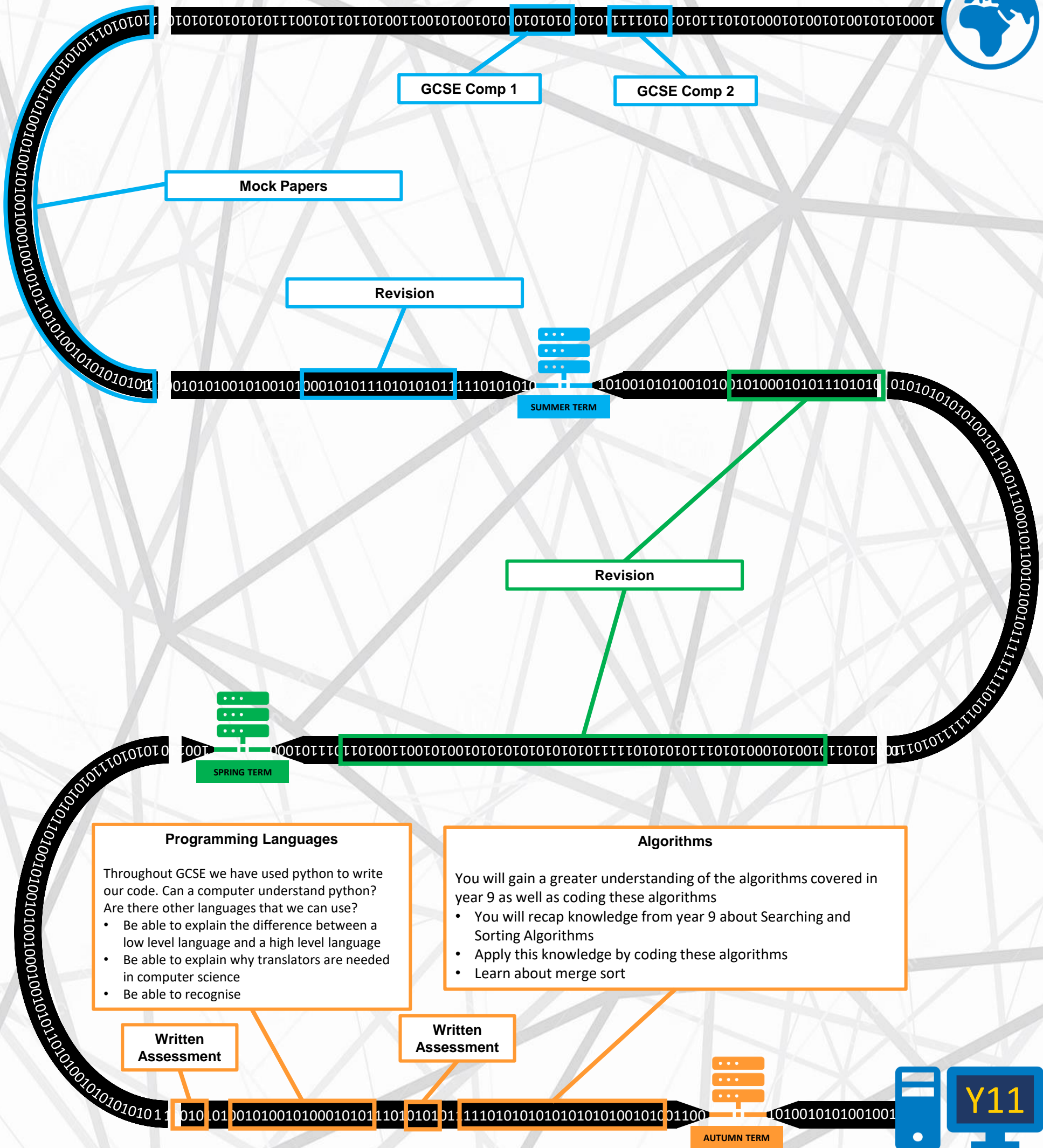


# Year 11 Computer Science Coding Learning Journey





# Year 11 Computer Science Theory Learning Journey







## Ks4 Learning Journey: GCSE Food Preparation and Nutrition

## Level 3 Food Science and Nutrition

YEAR  
**12**

EXAM

REVISE

Revision

NEA  
2

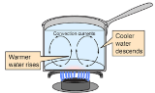
Mock Exam Paper

NEA  
1

YEAR  
**11**

Nutritional needs and health

Convection



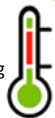
Conduction



Cooking of food and heat transfer

Principles of food safety

Preparing, cooking and serving food



MED	LOW	MED	HIGH	MED
Carbs	Protein	Fat	Salt	Fiber
35%	15%	25%	10%	15%

Food labelling



Influences of Food choice



Food processing and production



Food production



Technological developments



Environmental and sustainability



Food and the environment

Fruits and Vegetables



Oxidation

Enzymic browning

Raising Agents



Micro nutrients

Macro nutrients

YEAR  
**10**

In most cases, learners will have completed a Year 9 Foundation course in Food Technology which develops a range of relevant skills and techniques

Coagulation

Gelatinisation

Gluten Formation



Dextrinization



Plasticity



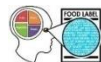
Sustainability



Moral



British



International

Cultural



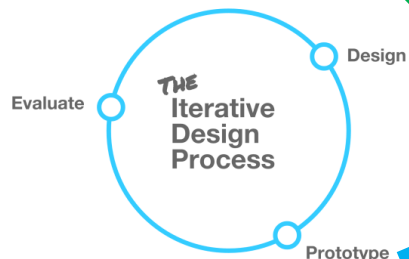
Food spoilage and contamination





## Ks4 Learning Journey: BTEC Product Design

We use the Iterative design process based on a cyclic process of prototyping, testing, analysing, and refining your product. Based on the results of testing the most recent iteration (version) of your design, changes and refinements are made.



BTEC Level 3 Extended Certificate in Art & Design

Progression onto appropriate Level 3 BTEC courses

YEAR  
12



Art Techniques



Practical Assessment



Creativity

Externally Moderated

**Component 2:  
Responding to a Brief**

Pearson set assignment released in January of Year 11  
Worth 40% of the course.



Practical Assessment

Developing skills, techniques and processes

Design Task: To design and make an MP3 docking station.

YEAR  
11

Developing skills, techniques and processes



Creativity



CAD/drafting Assessment

Externally Moderated

**Component 1: Creative Practice in Art & Design**

Pearson set assignment released in November of Year 10  
Worth 60% of the course.



Art Techniques



Practical Assessment



Creativity

Developing skills, techniques and processes

Design Task: Perfume packaging



Art Techniques

YEAR  
10

In most cases, learners will have completed a Year 9 Foundation course in Product Design which develops a range of relevant skills and techniques

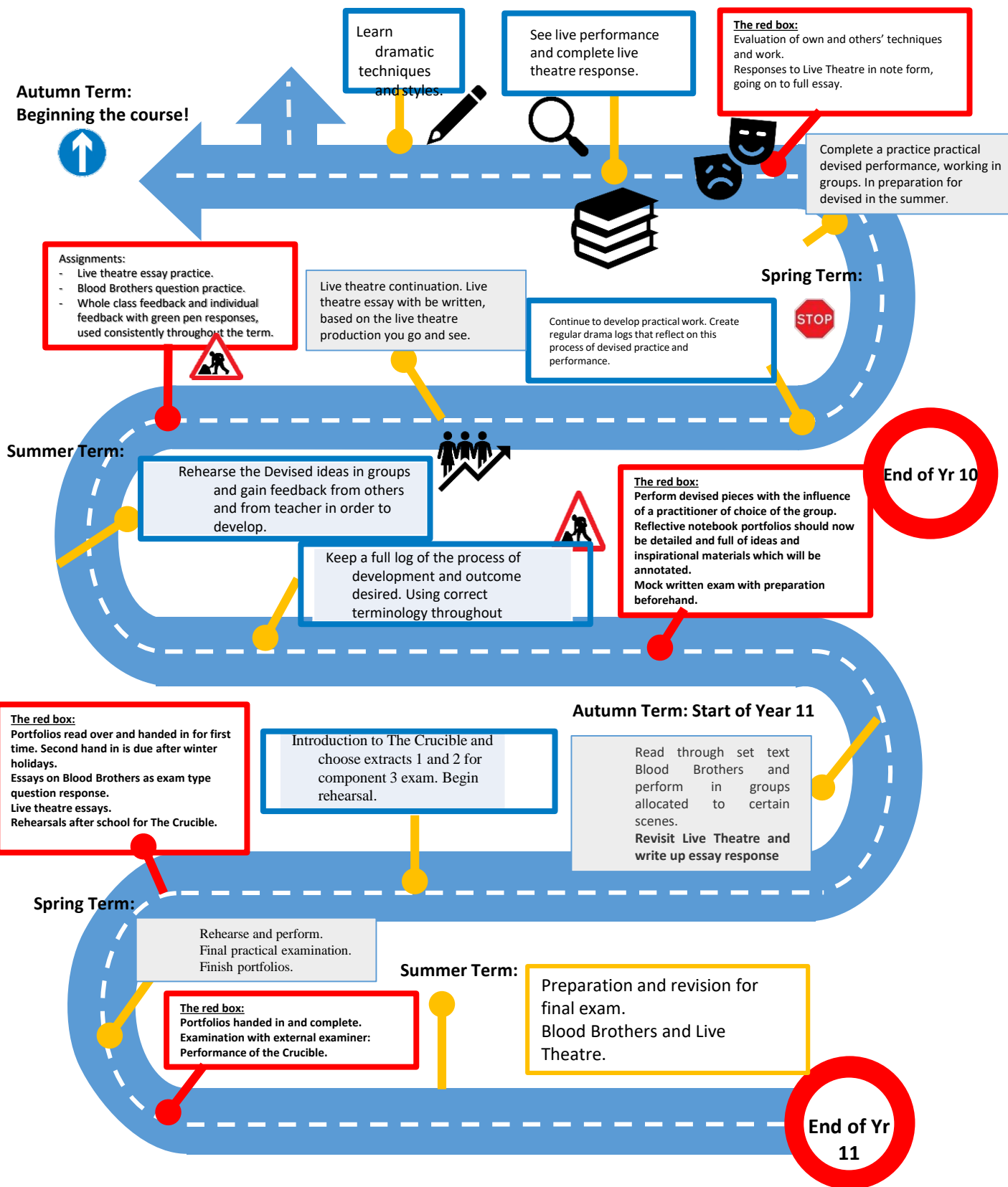


Self/Peer Assessment

You will keep a 'Reflection Journal' in which all your assessment for learning will be documented throughout the two year course.



Pearson BTEC Level 1/ Level 2 Tech Award in Art and Design Practice





# Year 10 English Learning Journey

## ASSESSMENTS

### Macbeth

As Macbeth is one of Shakespeare's most enduring and emotionally intense plays which tackles themes of ambition, power and tyranny. Students will examine the eponymous character's journey into despair, which remains a timeless warning of unchecked power. You will focus in particular on the character, plot, themes and audience.

Homework for all units: stop / check and extended writing.

Assessment: termly assessments and End of Year Exams.

SUMMER TERM

SPRING TERM

## GCSE Language Paper 2

The specification will enable you to develop the skills you need to read, understand and analyse a wide range of different texts covering the 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> century time periods as well as to write clearly, coherently and accurately using a range of vocabulary and sentence structures. The emphasis on comparing texts links well with that of Power and Conflict poetry. The power to analyse, summarise and evaluate are skills for life as is the power to communicate persuasively, skilfully and evocatively

### Unseen poetry

Unseen poetry will enable you to truly grasp the cross-over between skills and techniques that they use in different aspects of the English Language and Literature GCSEs, which will therefore really enhance the ability to succeed. A focus on the power of words, the poet's intentionality in terms of organisation and form really allows English to come alive. Key skills will be embedded: understanding, analysis, evaluation.

## ASSESSMENTS

## ASSESSMENTS

### A Christmas Carol

The novella is an allegory in that it features events and characters with a clear, fixed symbolic meaning. In the novella, Scrooge represents all the values that are opposed to the idea of Christmas – greed, selfishness, and a lack of good will towards one fellow man. The focus is therefore on ideas regarding social justice, redemption, relationships, conflict and identity. You will be assessed on your ability to understand Dickensian England, language analysis and explore the themes and purpose of the novella.

Homework: stop / check and extended writing (planning and essay writing).

### Power and Conflict poems:

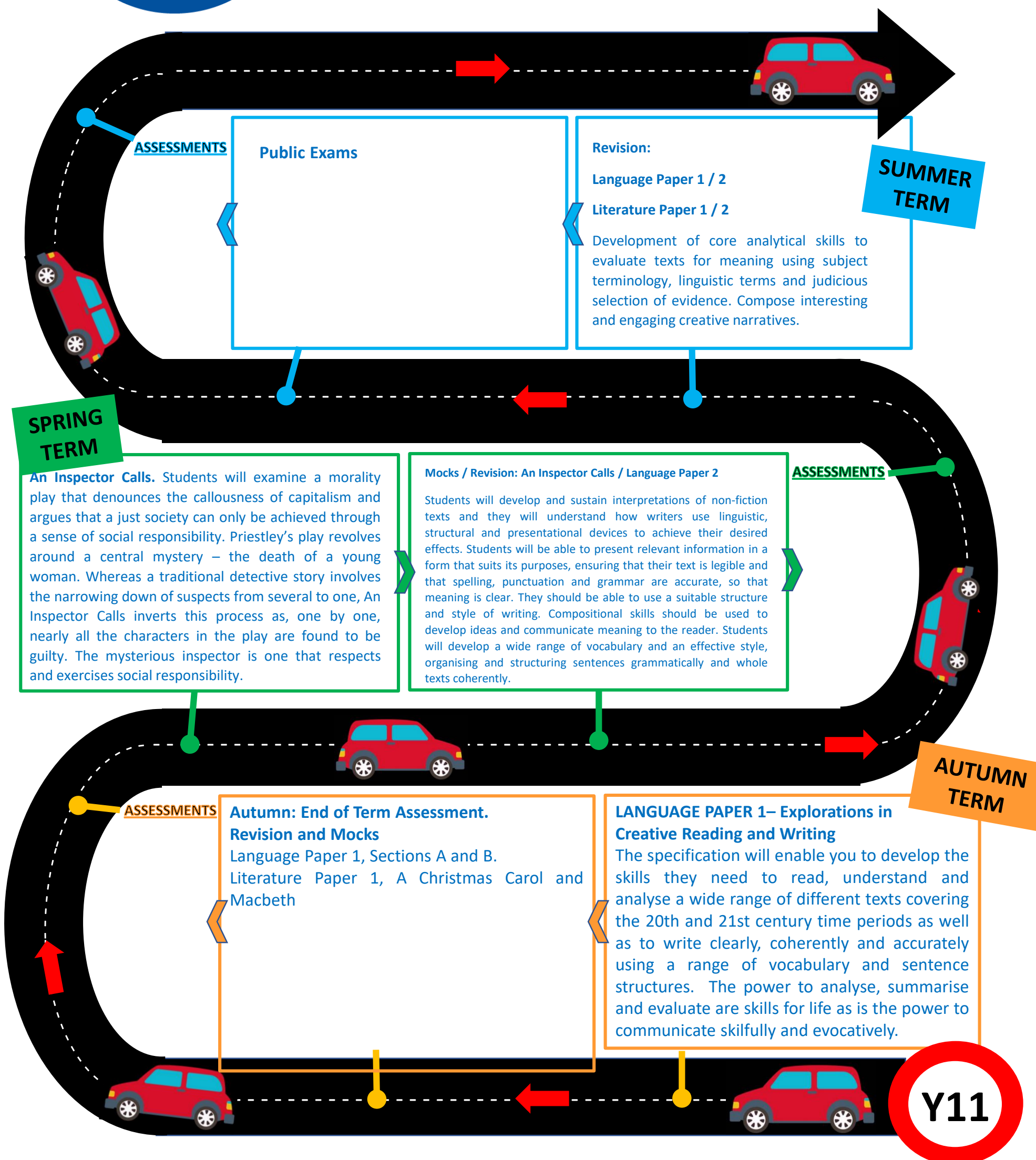
This year, you will develop knowledge and skills in reading, writing and critical thinking. Students will begin by completing the Power and Conflict Poetry that was started in Year 9. You will develop a continuing focus on the big ideas within the poems and aim to relate some / many of them in the world in which you live.

AUTUMN TERM

Y10



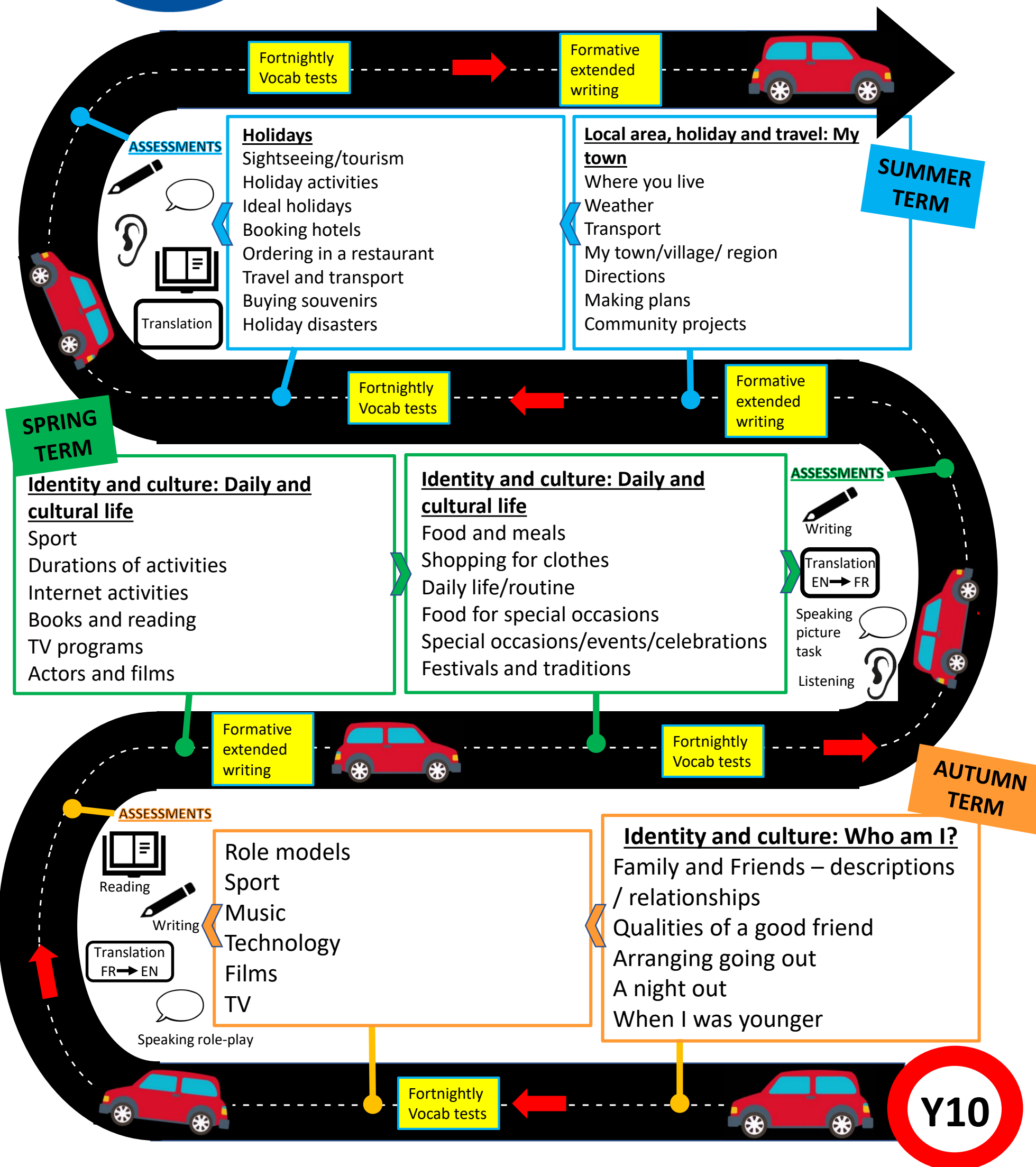
# Year 11 English Learning Journey







# Year 10 French Learning Journey





# Year 11 French Learning Journey

Fortnightly  
Vocab tests

Formative  
extended  
writing

## ASSESSMENTS

### International and global dimension

What is important in life  
Global problems  
Protecting the environment  
Ethical shopping  
Volunteering projects  
Big sporting events  
Big musical events

SUMMER  
TERM

Fortnightly  
Vocab tests

Formative  
extended  
writing

SPRING  
TERM

### Grammar

Genders  
Conditional tense  
Perfect infinitive  
Subjunctive  
En + present participle  
Direct and indirect object pronouns  
Prepositions after verbs

### Future aspirations, study and work

Jobs and work preferences  
Career choices  
Plans, hopes and wishes  
The importance of languages  
Applying for a job

## ASSESSMENTS

Writing  
Translation  
Speaking  
Reading  
Listening

Formative  
extended  
writing

Fortnightly  
Vocab tests

AUTUMN  
TERM

## ASSESSMENTS

Reading  
Writing  
Translation  
Speaking  
Listening

### Grammar

Present tense  
Perfect tense  
Future tense  
Definite and indefinite articles  
Comparatives / Superlatives  
Impersonal verbs  
Imperative

### School

School subjects  
School timetable  
Describing school  
Comparing UK and France school systems  
School rules  
How to succeed at school  
School exchanges

Fortnightly  
Vocab tests

Y11

Y10

AUTUMN TERM

Component 1 –

Topic:  
Hazardous  
Earth



Connections:

- < Y7 Volcanoes & Earthquakes, Changing Climate, Y8 Extreme Weather, Y9 Ice
- > KS5 Tectonics, Physical Systems & Sustainability



**Enquiry Questions:**

1. Why do the causes and impacts of tectonic activity and management of **tectonic hazards** vary with location? (started in year 9)
2. How are **extreme weather** events increasingly hazardous for people?
3. How does the world's **climate** system function, why does it change and how can this be hazardous for people?

**Place Knowledge:**

Haiti, New Zealand, USA, Philippines

- Practice tests - Formative SAQs and 8 mark essays
- MS forms quizzes & retrieval quizzes
- Revision notes
- End of term assessment graded 9-1

**WTP:** To understand a big-picture overview of the key **tectonic and climatological processes** that shape the world and create hazardous situations for people. **Physical processes** and the **impacts** that are created are studied, as well as how different people **respond** to the resulting hazard depending on their level of **economic development**.

SPRING TERM

Topic:  
Development  
Dynamics



Connections:

- < Y7 Development, Y8 Ghana, Population, Y9 World Trade
- > KS5 Globalisation, Superpowers



**Enquiry Questions:**

1. What is the scale of global inequality and how can it be reduced?
2. How is ONE of the world's emerging countries managing to develop?

**Place Knowledge:**

India

- Practice tests - Formative SAQs and 8 mark essays
- MS forms quizzes & retrieval quizzes
- Revision notes
- End of term assessment graded 9-1

**WTP:** To understand why some countries are doing well and why others are making limited progress, thus creating **global inequality**. In order to close the **development gap**, a number of strategies can be used. However, the impact of development should also be considered, such as the **costs** that come with **emerging nations'** progress (environmental implications, or the increasing gap to those left behind). An in depth study of **India** shows how a specific country can develop, and the consequences of this development for people, the environment, and the country's changing relationship with the wider world.

Component 1 –  
Topic:  
Challenges of  
an Urbanising  
World



Connections:

- < Y7 Sport, Y8 Population, Y9 World Trade, Y10 Development
- > Y11 UK's Evolving Landscape, KS5 Globalisation, Regeneration, Superpowers, Migration



**Enquiry Questions:**

1. What are the causes and challenges of rapid urban change?
2. Why does quality of life vary so much within ONE megacity in an emerging country?

**Place Knowledge:**

Rio de Janeiro, Brazil

- Practice tests - Formative SAQs and 8 mark essays
- MS forms quizzes & retrieval quizzes
- Revision notes
- End of term assessment graded 9-1

**WTP:** To understand **urbanisation** trends since 1980 in the developed, emerging and developing world, and also by global region. **Economic activity** (industrialisation, economic sectors, formal/informal economy) and **migration** (national and international) have caused varying urbanisation trends across the world. This explains how and why cities and their **land use** change over time. A particular focus is on understanding the changes taking place in a **rapidly growing/developing megacity** in the emerging world. This creates both **challenges and opportunities** for people, varying quality of life, and requires various strategies for achieving **sustainability**.

SUMMER TERM

Component 3 –  
Topic:  
People and  
Environment  
Issues



Connections:

- < Y7 Changing Climate, Y8 Ecosystems, Y9 Resources, Development, Climate
- > KS5 Physical Systems & Sustainability



**Enquiry Questions:**

1. People and the **Biosphere** - Why is the biosphere so important to human wellbeing and how do humans use and modify it to obtain resources?
2. **Forests** Under Threat - What are the threats to forest biomes and how can they be reduced?
3. Consuming **Energy Resources** - How can the growing demand for energy by met without serious environmental consequences?

**Place Knowledge:**







Amazon Rainforest, Taiga Forest, Arctic, Alaska, London, Norway, Canada

- Practice tests - Formative SAQs and 8/12 mark essays
- MS forms quizzes
- Revision notes
- End of term assessment graded 9-1

**WTP:** to get an overview of the **biosphere**, and to understand why it is so important to **human wellbeing** and to understand how humans use and modify it to obtain **resources**. The characteristics of the **ecosystems** (especially tropical rainforests and the taiga **forests**), are increasingly being threatened by humans and we must conserve and **sustainably manage** these different ecosystems. An understanding of **renewable and non-renewable energy** shows the impacts on the biosphere and forests in particular, in addition to examining its supply and demand globally and differences in access which can lead to energy security issues.



## Y11 AUTUMN TERM

	Content	Assessment
<b>Component 3 – People and Environment Issues</b>	Finishing yr 10 component 3 topic – Biospheres, Forests and Consuming Resources. Component 3 DME Exam Technique <b>Place Knowledge:</b> Resource rich and Tropical rainforest and Taiga locations e.g. Norway, Amazon (Peru), Indonesia, Canada.	<ul style="list-style-type: none"> <li>8 marker</li> <li>12 + 4 marker</li> <li>End of topic assessment grades 9-1</li> </ul>
<b>Component 2 Topic:</b> <b>The UK's Evolving Human Landscape</b>  	<b>Enquiry Questions:</b> <ol style="list-style-type: none"> <li>Why are places and people changing in the UK?</li> <li>How is ONE major UK city changing?</li> </ol> <b>Place Knowledge:</b> London	<ul style="list-style-type: none"> <li>Exam practice - Formative SAQs and 8 mark essays</li> <li>MS forms quizzes</li> <li>Revision notes</li> <li>End of term assessment graded 9-1</li> </ul>
<b>Connections:</b> < Y7 Sport, Y8 Coasts, Y9 World Trade, Y10 Development and Urban > KS5 Globalisation, Regeneration, Migration	<b>WTP:</b> To understand the changing and varied <b>human landscape</b> of the UK, including social economic and political processes that influence it. The theory of the core-periphery model helps to understand the varying <b>quality of life</b> across the country, and explains why government and EU <b>policies</b> have attempted to reduce it. Dynamic urban places are shaped by <b>migration</b> patterns and the changing <b>demographics</b> of the UK in terms of its ethnic and cultural <b>diversity</b> . To examine the decline in primary and secondary sectors and how this has changed the <b>industrial structure</b> of rural and urban areas in the UK towards tertiary and quaternary employment. To understand the impacts of <b>globalisation</b> , free trade policies and TNCs on the UK economy.	
<b>Component 2 – Topic:</b> <b>The UK's Evolving Physical Landscape</b>  	<b>Enquiry Questions:</b> <ol style="list-style-type: none"> <li>Why does the <b>physical landscape</b> of the UK vary from place to place?</li> <li>Why is there a variety of distinctive <b>coastal landscapes</b> in the UK and what are the processes that shape them?</li> <li>What are the challenges for coastal landscapes and communities and why is there conflict about how to manage them?</li> <li>Why is there a variety of <b>river landscapes</b> in the UK and what are the processes that shape them?</li> <li>What are the challenges for river landscapes, people and property and how can they be managed?</li> </ol> <b>Place Knowledge:</b> UK	<ul style="list-style-type: none"> <li>Exam practice - Formative SAQs and 8 mark essays</li> <li>MS forms quizzes</li> <li>Revision notes</li> <li>End of term assessment graded 9-1</li> </ul>
<b>Connections:</b> < Y7 Rivers, Y8 Coasts, Y9 Ice, Y10 Climate > KS5 Dynamic Landscapes Water	<b>WTP:</b> To understand how the varied physical landscapes in the UK result from <b>geology</b> , geomorphic processes and human activity over time. This topic requires you to explore the processes that have formed the distinctive landscapes of the UK and how humans increasingly have to <b>manage flood risks</b> , both at the coast and near rivers. The interaction of <b>human and physical processes</b> present challenges along coastlines and rivers and there are a variety of <b>management</b> options.	
<b>Component 2 – Topic:</b> <b>Geographical Investigations (Fieldwork)</b>  	<b>Enquiry Questions:</b> <ol style="list-style-type: none"> <li>Investigating river processes and pressures - Investigating how and why drainage basin and channel characteristics influence flood risk for people and property along a river in the UK.</li> <li>Investigating dynamic urban areas - Investigate how and why quality of life varies within urban areas.</li> </ol> <b>Place Knowledge:</b> Stratford & Epping Forest	<ul style="list-style-type: none"> <li>Exam practice - Formative SAQs and 8 mark essays</li> <li>MS forms quizzes</li> <li>Revision notes</li> <li>End of term assessment graded 9-1</li> </ul>
<b>Connections:</b> < KS3 Fieldwork, Y10 Evolving Physical Landscapes, Human Landscapes > KS5 Independent Investigation	<b>WTP:</b> The experience of fieldwork will help you to develop new geographical insight into two contrasting environments (river / urban areas). Collecting geographical data first-hand is an important skill geographers use to learn more about the world around them. Going on to present and analyse this data allows you to draw evidenced conclusions when supported by reliable secondary data sources.	

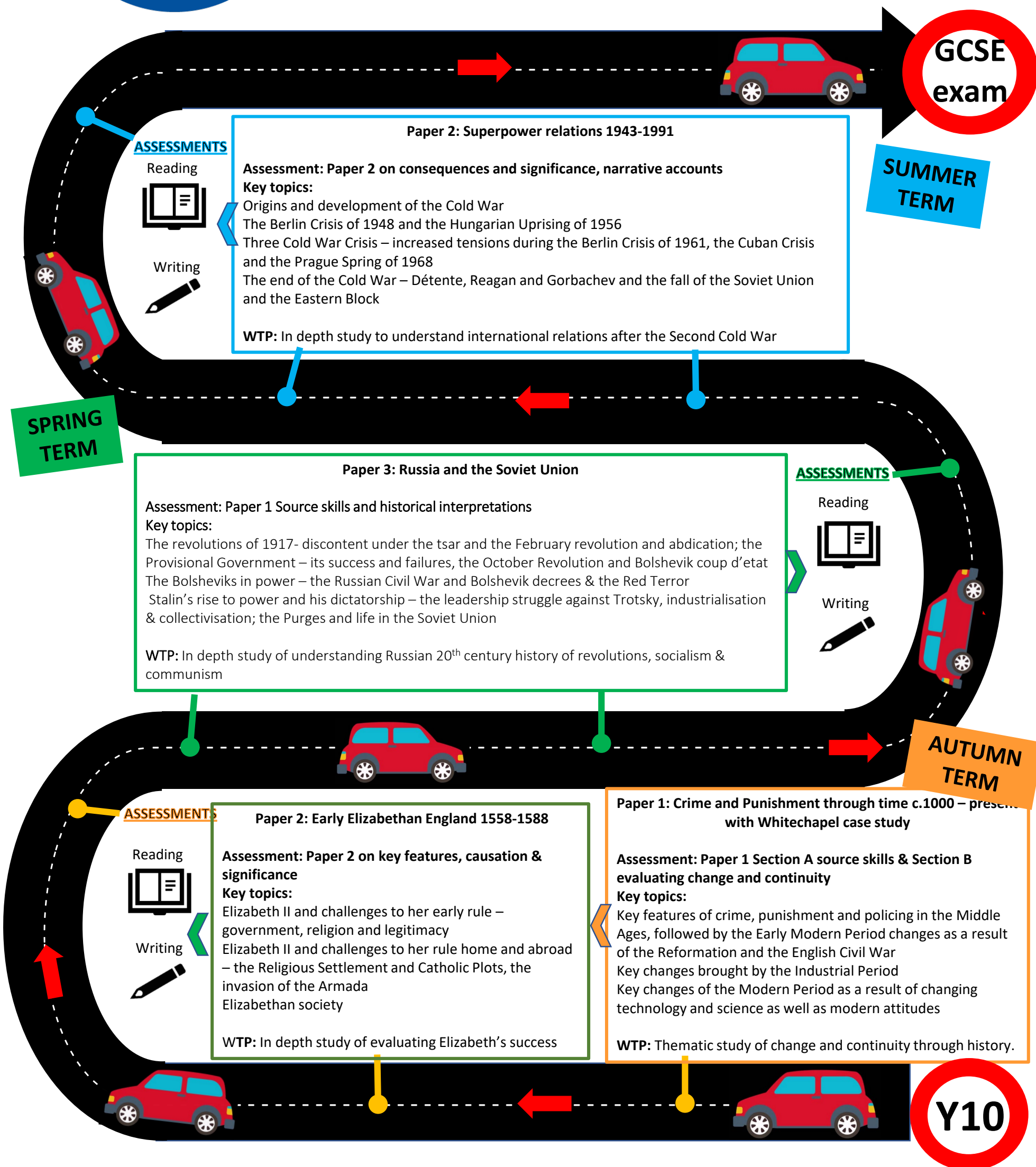
## SPRING TERM

## THROUGHOUT



# History Learning Journey

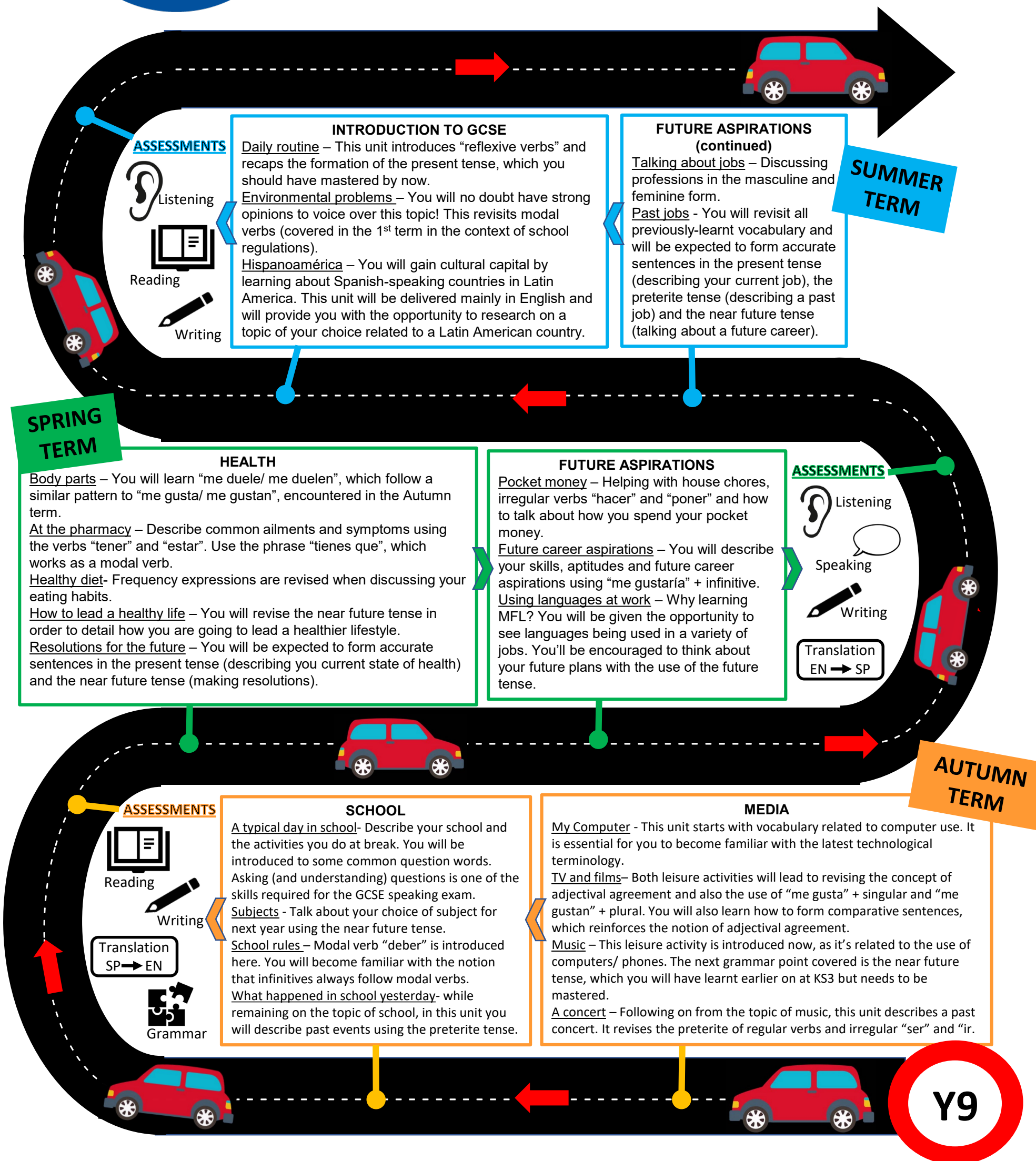
## Year 10-11





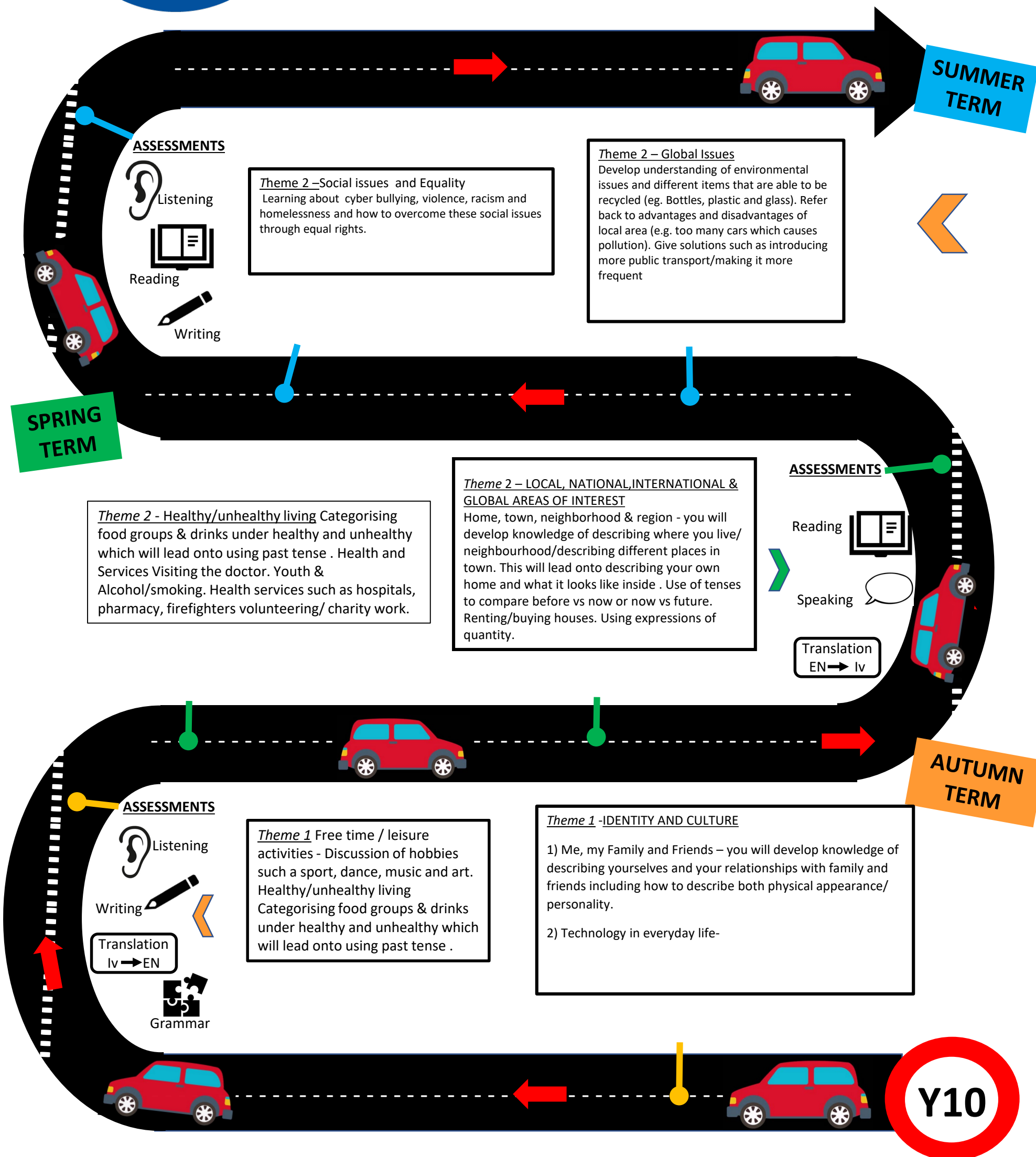


# Year 9 Spanish Learning Journey





# YEAR 10 - IVRIT GCSE Learning Journey





# YEAR 11 - IVRIT

## Learning Journey

SUMMER TERM

### ASSESSMENTS



Listening



Reading



Writing

Education post-16 -Jobs/career choices/ambitions - Be able to articulate how what they have chosen to study will impact on future career/university/ college options. Be able to express how their own skill sets/ personalities are suited to different professions. Talking about future studies, job preferences and applying for a job.

#### Language Development:

- More complex two verb structures (Intend / want to / have the right to) להפסיק ללמוד / לבחור...
- Express reasons using modals for a job/ cv /interview
- More complex two verb structures (Intend / want to / have the right to)
- Transfer כדאי/חובה/צריך... + infinitives to school rules context

SPRING TERM

Life at school/college. Be able to discuss and write about different school options, different stages in their education and the different subjects they have chosen to study. This leads on to the study of why schools have rules and how these are applied; for example, school uniform and Comparing schools in UK and Israel.

#### Language Development:

- Consolidation of tenses / Sequencing words, expressions and phrases - Before / after / while... / Weather expressions- Comparatives and superlative
- Developing greater complexity in spoken and written accounts of past events or experiences – focus on more complex questions words such as היכן / אילו
- Register of language – formal versus informal letter

### ASSESSMENTS

Reading



Speaking



Translation  
EN → Iv

AUTUMN TERM

### ASSESSMENTS



Listening



Writing

Translation  
Iv → EN



Grammar

#### Theme 2 Global Issues

Develop understanding of environmental issues and different items that are able to be recycled (eg. Bottles, plastic and glass). Refer back to advantages and disadvantages of local area (e.g. too many cars which causes pollution). Give solutions such as introducing more public transport/making it more frequent.

Travel & tourism Describing holiday destinations and be able to describe what you did in your holidays /Talking about holiday preferences /activities. Be able to book a holiday including making flight/hotel arrangements. Building on expressing opinions and more formalised writing a letter (of complaint). Be able to connect this topic with activities studied in the topic of free time and with whom.

Customs & festivals in Modern Hebrew speaking countries- We will focus on typical customs as they occur through the Jewish yearly cycle. You will be able to express Jewish traditions and relate it to your family

Y11



YEAR 11

Year 11 - Thematic Studies (Judaism only) and Christian responses to religious, philosophical & ethical issues

**Why we Study it:** The study of religious, philosophical and ethical issues in any religion gives us an insight into how followers think and form their opinion based on the beliefs and teachings of their faith along with demonstrating how the Jewish faith applies Torah teachings to modern day issues. In addition, the AQA examining board requires you to understand Christian beliefs on a number of issues in each theme.

**Theme A - Relationships & Families:** Jewish teachings about sexuality, sexual relationships before and outside marriage, contraception, Jewish teachings about marriage & divorce and gender equality.

**Theme B - Religion & Life:** Jewish beliefs about the origins of the universe & human life, use and abuse of the animals, the environment, abortion and euthanasia.

**Theme D - Religion, Peace & Conflict:** Jewish teachings about peace, justice and reconciliation, violent protest and terrorism, war, nuclear weapons and pacifism.

**Theme E - Religion, Crime & Punishment:** Jewish beliefs about crime and punishment, reasons for crime

YEAR 10

ASSESSMENTS

#### Year 10 - Beliefs and Teachings of Judaism & Islam

**Why we study it:** These are the basics of any religion. When studying different faiths it is essential to understand what the followers are taught and what they believe through texts and founders of the religion.

**What we study for Judaism:** Beliefs about the nature of Gd, the Covenants and the mitzvot (commandments), Life after death, The nature and role of The Messiah, The Promised land, Key moral principles, sanctity of life and free will.

**What we study for Islam:** Beliefs about Allah (Gd), the prophethood, The Qur'an, the Imamate in Shia Islam, angels, life after death, the prophets Ibrahim and Muhammed.

#### Year 10 - Practices in Judaism & Islam

**Why we study it:** To explore why followers of a religion do what they do. By studying the practices and rituals of any religion, we learn about the foundations of faith and how followers live their life according to it.

**What we study for Judaism:** The importance of the synagogue and worship, daily prayer, Shabbat in the home and synagogue, lifecycle ceremonies, Dietary laws and festivals.

**What we study for Islam:** The 'Five Pillars' of Islam, daily prayer, fasting during Ramadan, giving charity, pilgrimage, Jihad and festivals

#### What we study at KS4:

Beliefs and Teachings of Judaism & Islam Practices in Judaism & Islam

Thematic Studies: Religious, Philosophical and Ethical Issues in Judaism Only

**Theme A - Relationships & Families**

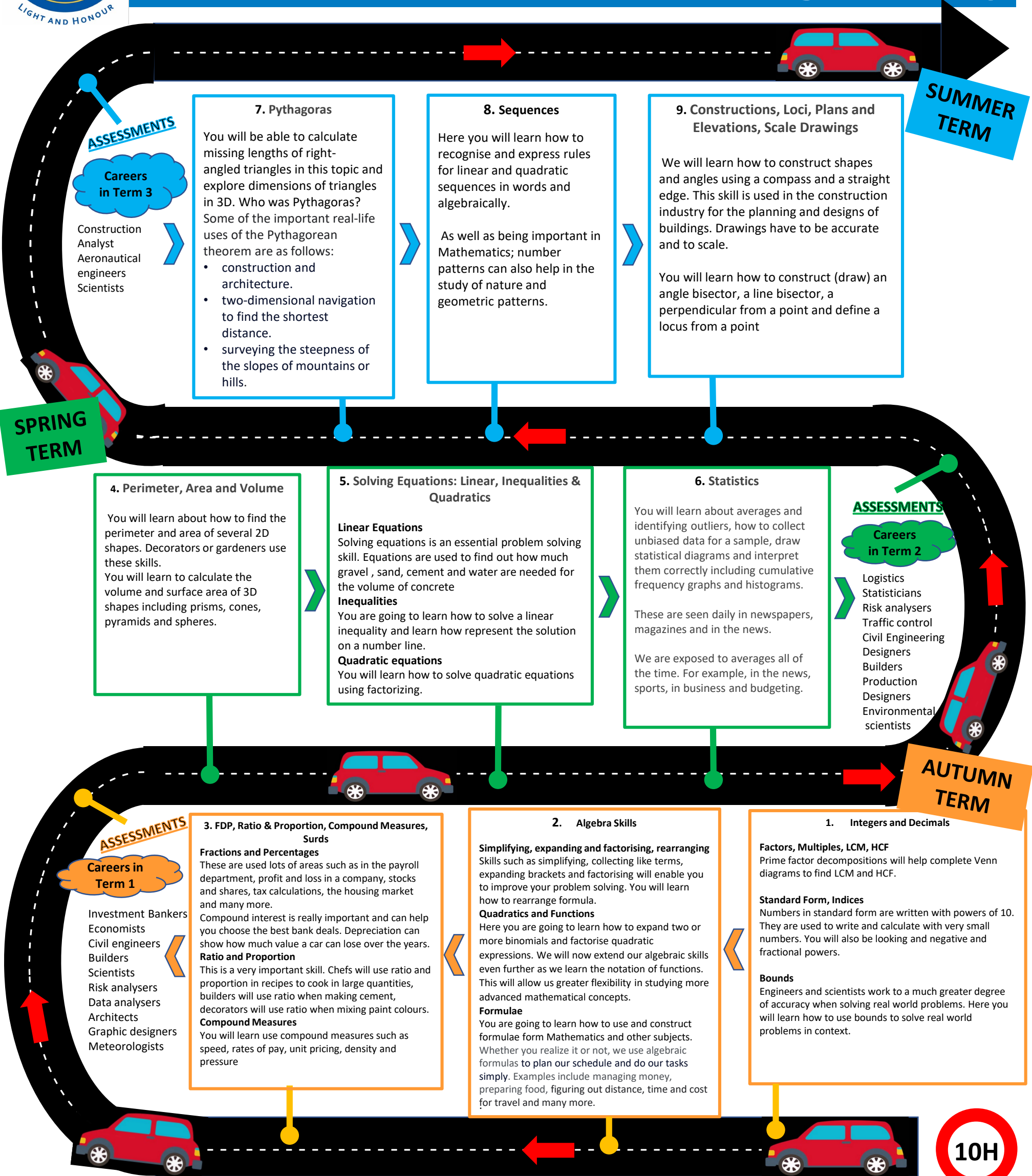
**Theme B - Religion & Life**

**Theme D - Religion, Peace & Conflict**

**Theme E - Religion, Crime & Punishment** Christian responses to the religious, philosophical and ethical issues above

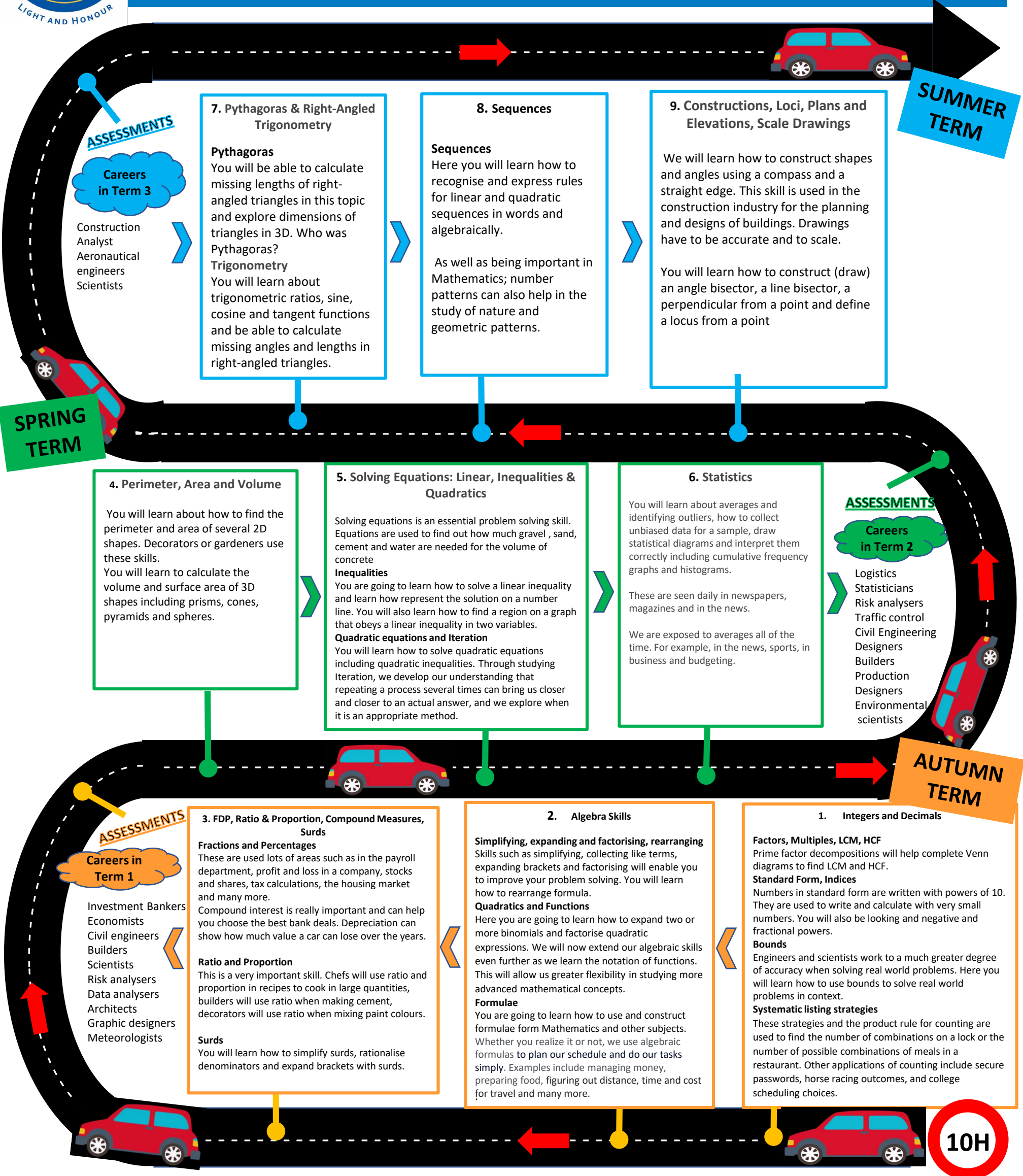


# Year 10 Foundation Mathematics Learning Journey



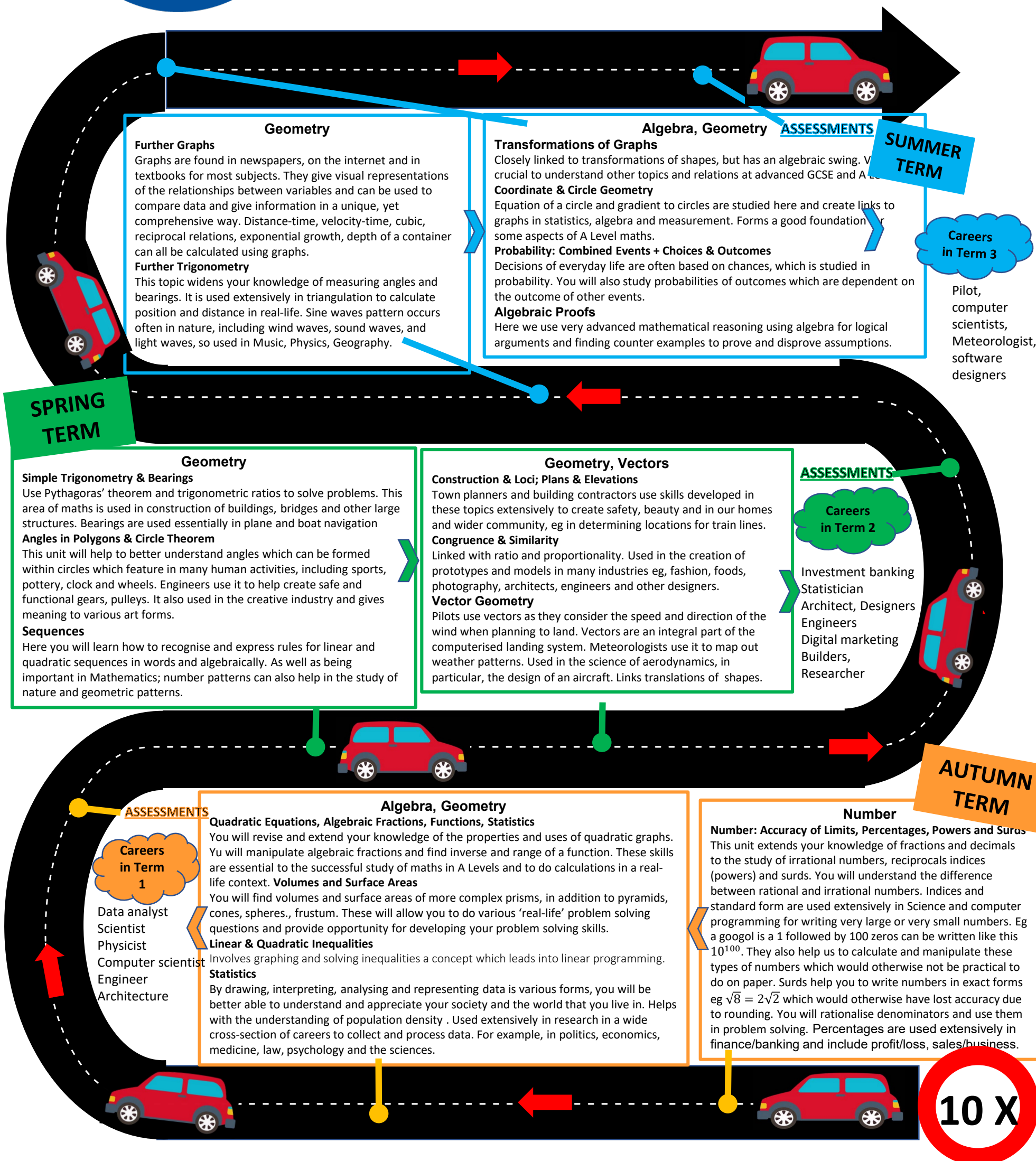


# Year 10 Higher Mathematics Learning Journey





# Year 10 Accelerated Maths Learning Journey





# Year 11 Higher Maths Learning Journey

## ASSESSMENTS

### Careers in Term 2

Computer analyst;  
Programming  
Actuary  
Statistician

## 14. Trigonometry

The geometry content we focus on in this unit looks at angles between two lines, a line and a plane or two planes. We move into 3-Dimensional geometry and the use of further trigonometry for problem solving. Applications are commonly found in engineering and nautical professions.

In this unit we focus on the use Pythagoras's theorem and trigonometry. Trigonometry is used in every aspect of engineering and also essential for architects and surveyors. Space exploration and motion/positioning of satellites would not be possible without trigonometry. Mobile telephones, video games and computers make much use of this area of mathematics.

## 15. Probability

### Probability

What is the probability you will throw heads on a fair coin or a 6 on a fair die? In this topic, you will be exploring experiments like these as well as learning key probability terminology.

As well as learning about theoretical and experimental probability, you will also learn how to use two way tables and Venn diagrams to solve probability questions.

SUMMER TERM

Term 3

GCSE Exams

SPRING TERM

## 12. Simultaneous Equations and Proportion.

### Simultaneous equations and proportion

Now we begin to work on common skills that are required at A level and extend into degree level in mathematics, computer science, engineering and many other courses. Simultaneous equations and inequalities involving multiple variables are used in solving real-life problems. Given a variety of constraints, cost can be minimised and profit can be maximised, along with other optimisation situations. Proofs become hugely important in understanding how it is essential to order a process using the right grammatical form; something which extends to any language.

## 13. Angles and Angles on Polygons

### Angles

Knowing angle facts can help when designing the plan of a kitchen or a safety ramp for wheelchair access for example. These angle facts are the basics for topics such as sectors, trigonometry and circle theorems.

We will look at angles in polygons, angles around a point and more complex real life angle problems.

## ASSESSMENTS

### Careers in Term 2

Surveyors, Pensions;  
Aeronautic and Mechanical Engineers;  
Builders; Pilots;  
Actuary;  
Software engineering

AUTUMN TERM

## ASSESSMENTS

### Careers in Term 1

Data analyst;  
Economists;  
Scientist;  
Computer scientist.

## 11. Transformations, Similarity, Congruence and Vectors

### Transformations

Rotations, reflections, translations and enlargements are often seen in product design or engineering and architectural drawings and creating patterns.

### Similarity and congruence

Similar triangles are used in real life to find the heights of tall objects. In this area you will learn how to calculate missing sides of similar shapes.

### Vectors

Vectors show magnitude and direction. We can describe where a shape has moved to using these.

## 10. Graphs

### Linear Graphs

You will learn how to find equations of linear graphs give two points, given a point and a gradient, etc.

### Non-linear graphs

You will learn about quadratic, cubic and reciprocal graphs. You will also learn about the equation of a circle.

## 9. Constructions Plans and Elevations and Scale Drawings

You will learn how to construct triangles and other polygons, using compasses, protractors and rulers. You will also learn how to draw 2D versions of 3D objects, from a plan view, and other views.

Scale Drawings are often used by architects and others, to visualise projects during their builds.

11 H





# Year 11 Higher Maths Learning Journey

## ASSESSMENTS

### Careers in Term 2

Computer analyst;  
Programming  
Actuary  
Statistician

## 14. Bearings and Further Trigonometry

The geometry content we focus on in this unit looks at angles between two lines, a line and a plane or two planes. We move into 3-Dimensional geometry and the use of further trigonometry for problem solving. Applications are commonly found in engineering and nautical professions.

In this unit we focus on the use of Pythagoras's theorem and trigonometry and circle theorems. What will be new too is the introduction of trigonometric equations and identities. Trigonometry is used in every aspect of engineering and also essential for architects and surveyors. Space exploration and motion/positioning of satellites would not be possible without trigonometry. Mobile telephones, video games and computers make much use of this area of mathematics.

## 15. Probability

### Probability

What is the probability you will throw heads on a fair coin or a 6 on a fair die? In this topic, you will be exploring experiments like these as well as learning key probability terminology.

As well as learning about theoretical and experimental probability, you will also learn how to use two way tables and Venn diagrams to solve probability questions.

SUMMER TERM

Term 3

GCSE Exams

SPRING TERM

## 12. Simultaneous Equations and Proportion.

### Simultaneous equations and proportion

Now we begin to work on common skills that are required at A level and extend into degree level in mathematics, computer science, engineering and many other courses. Simultaneous equations and inequalities involving multiple variables are used in solving real-life problems. Given a variety of constraints, cost can be minimised and profit can be maximised, along with other optimisation situations. Proofs become hugely important in understanding how it is essential to order a process using the right grammatical form; something which extends to any language.

## 13. Angles and Angles on Polygons and Circle Theorems

### Angles

Knowing angle facts can help when designing the plan of a kitchen or a safety ramp for wheelchair access for example. These angle facts are the basics for topics such as sectors, trigonometry and circle theorems.

### Circle theorems

You will learn about basic circle theorem. Circles feature in many sorts of human activity, from pottery to clocks to wheels. Studying circle theory can help you understand how they can interact – vital knowledge for engineers who use gears and pulleys.

## ASSESSMENTS

### Careers in Term 2

Surveyors, Pensions;  
Aeronautic and Mechanical Engineers;  
Builders; Pilots;  
Actuary;  
Software engineering

AUTUMN TERM

## ASSESSMENTS

### Careers in Term 1

Data analyst;  
Economists;  
Scientist;  
Computer scientist.

## 11. Transformations, Similarity, Congruence and Vectors

### Transformations

Rotations, reflections, translations and enlargements are often seen in product design or engineering and architectural drawings and creating patterns.

### Similarity and congruence

Similar triangles are used in real life to find the heights of tall objects. In this area you will learn how to calculate missing sides of similar shapes.

### Vectors

Vectors show magnitude and direction. We can describe where a shape has moved to using these.

## 10. Graphs Including Inequalities

### Linear Graphs

You will learn how to find equations of linear graphs given two points, given a point and a gradient, etc.

### Non-linear graphs

You will learn about quadratic, cubic and reciprocal graphs. You will also learn about the equation of a circle.

### Inequalities

You will also learn how to form and solve inequalities.

## 9. Constructions Plans and Elevations and Scale Drawings

You will learn how to construct triangles and other polygons, using compasses, protractors and rulers. You will also learn how to draw 2D versions of 3D objects, from a plan view, and other views.

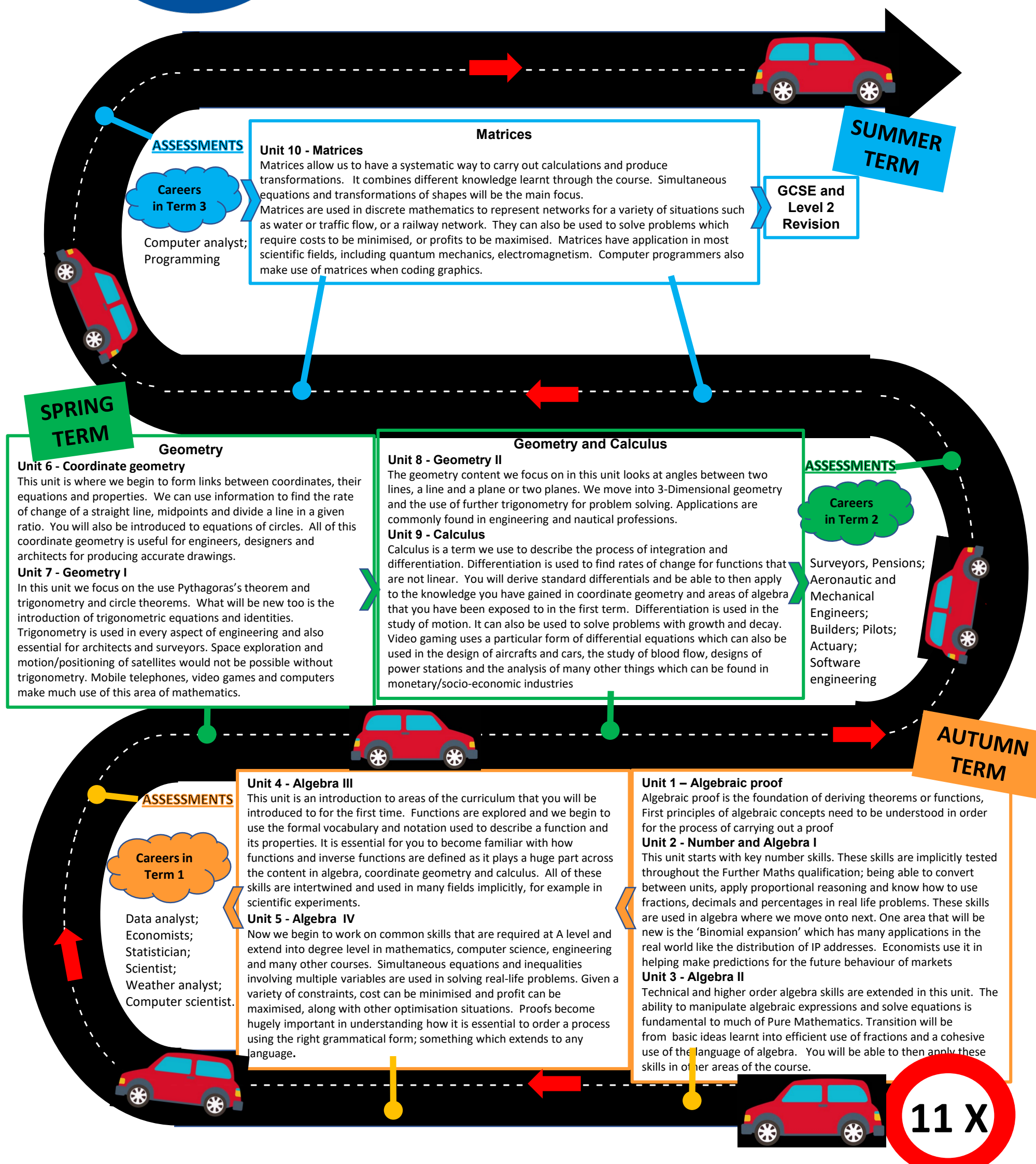
Scale Drawings are often used by architects and others, to visualise projects during their builds.

11 H





# Year 11 Accelerated Maths Learning Journey





# KS4: GCSE Music Learning Journey

## KEY SKILLS:

1. Performing
2. Composing
3. Listening & Appraising

### SPRING & SUMMER TERMS:

Theme: Unfamiliar Listening - retrieval of appraisal skills.

AoS 1 – 4: Revision.

Mock Papers: Rhinegold listening pack, Previous exam paper (2018).

Performance: Solo & Ensemble (1 March deadline - tbc).

Composition: Final coursework x 2 (1 April deadline - tbc).

### AUTUMN TERM:

Theme: Unfamiliar Listening – retrieval of appraisal skills.

**AoS4: Fusions** – focus on analysis.

Performance: Solo and Ensemble.

Composition: Brief set by Edexcel (1 Sept release) – focus on all compositional skills.

Mock Y11: Previous year's exam paper (2019).

*Link to previous learning: develop skills of analysis, performing and composing.*

Year 11

11

### SPRING TERM:

Theme: Unfamiliar Listening – retrieval of appraisal skills.

**AoS 2: Vocal Music** – focus on analysis.

Performance: Solo.

Composition: Song – focus on lyrics, structure and accompaniment.

*Link to previous learning: develop skills of analysis, performing and composing.*

### SUMMER TERM:

Theme: Unfamiliar Listening – retrieval of appraisal skills.

**AoS 3: Music for Stage and Screen** – focus on analysis.

Performance: Solo & Ensemble.

Composition: 'Film/Musical' Brief – focus on contrast, variety and development of ideas.

Mock Y10: Specification paper.

*Link to previous learning: develop skills of analysis, performing and composing*

## KEY SKILLS:

1. Performing
2. Composing
3. Listening & Appraising

### AUTUMN TERM

Theme: Elements of Music / Basic Theory.

**AoS 1: Instrumental Music** – focus on analysis.

Performance: Solo.

Composition: Ternary Form – focus on melody and harmony.

*Link to previous learning: develop K/S/U at KS3.*

### AIMS:

Follow the sequence of the SoW as set by the exam board builds and develops students' existing skills, knowledge and understanding from the familiar to the unfamiliar / Develops students as confident and informed performers, creative and skilled composers, critical appraisers and understanding listeners / Provide the key context of musical elements, musical contexts and musical language through the AoS and set works / Link different aspects of skills, knowledge and understanding throughout the course to create depth and breadth of musical understanding.

## KEY SKILLS:

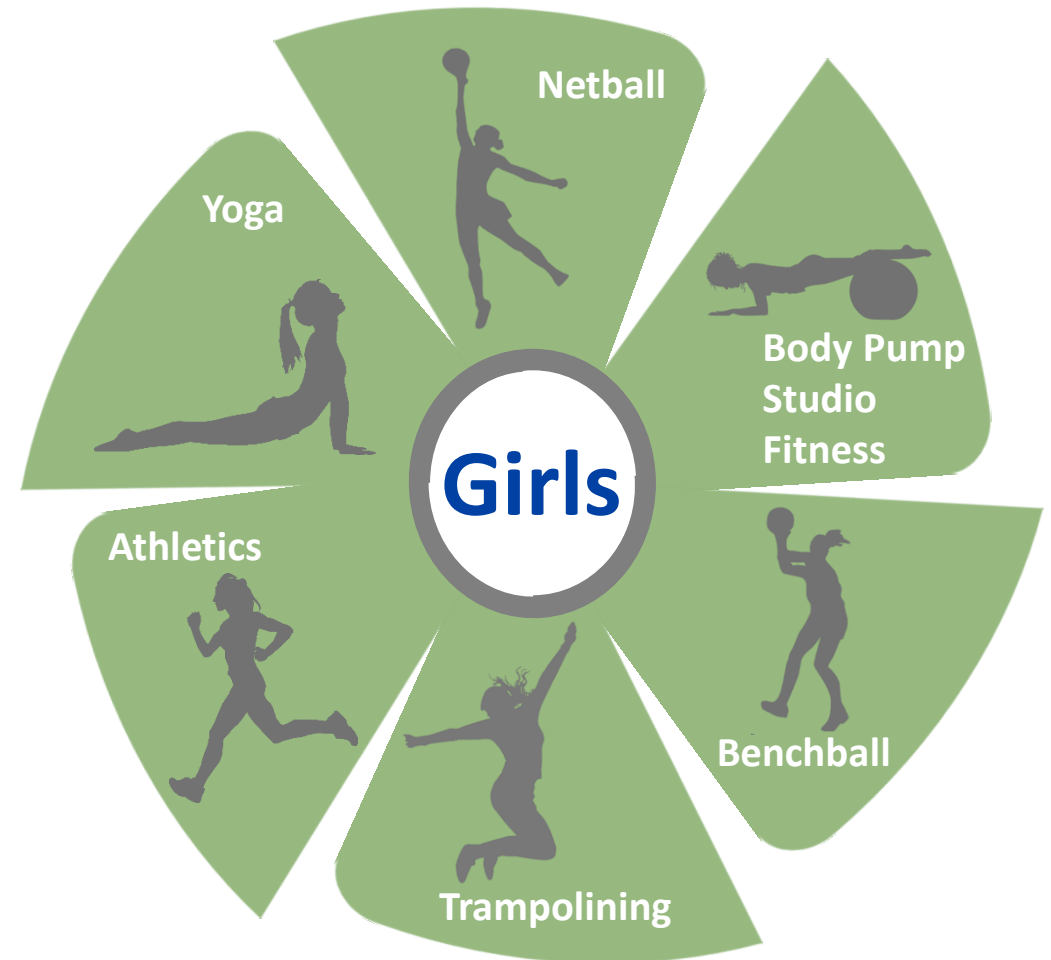
1. Performing
2. Composing
3. Listening & Appraising

Year 10

10

Core PE

Take on sports and activities, as voted for and selected by JFS students, that you can take with you for the rest of your life. Be able to successfully use a gym, join a sports club, have experience in varied activities and have the confidence to stay healthy and active for years to come.



**Paper 1**

30%

**Paper 2**

30%

**Practical**

30%

**PEP**

10%

**Paper 2 - Socio-Cultural Influences**

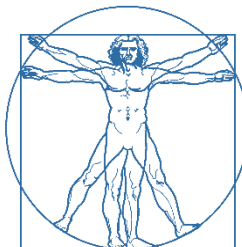
Societal groups, barriers to participation, commercialisation, ethics.

**Paper 2 - Sport Psychology**

Classification of skill, goal setting, mental preparation, guidance and feedback.

**Paper 2 - Health, Fitness and Wellbeing**

Health, fitness, diet, nutrition, effects of activity.

**Paper 1 - Movement Analysis**

Levers, mechanical advantage, planes and axes.

**Coursework (PEP)****Personal Exercise Program**

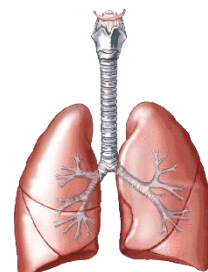
Plan, complete and evaluate a personalized 6 week training program

**Paper 1 - Physical Training**

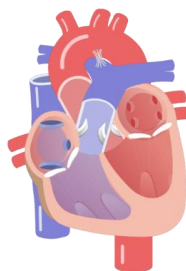
Health, fitness, injuries, methods of training, fitness tests, components of fitness.

**Paper 1 - Anatomy and Physiology****Respiratory Systems**

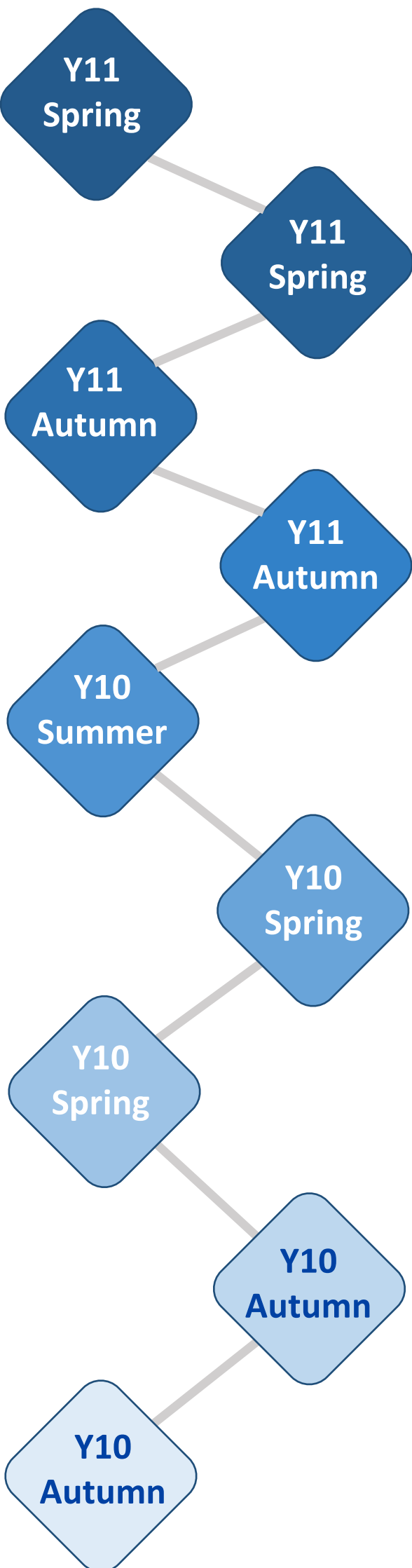
Structure and function of the lungs, long terms effects of exercise.

**Paper 1 - Anatomy and Physiology****Cardiovascular Systems**

Structure and function of the heart, long terms effects of exercise.

**Paper 1 - Anatomy and Physiology****Musculo-Skeletal Systems**

Bones, muscles, joints, soft tissues, movements, muscle fibres, effects of exercise.





**Written Paper**

40%

**NEA / Practical**

60%

**Artificial Things**

Apply knowledge to describe, explain, discuss, analyse and evaluate all aspects of the piece.

**Final Choreography Task Assessment**

Workshop the question, identify draws, preparation.

**Infra**

Review set phrases and duets. Implement physical, technical and expressive skills.

**Section A – Within Her Eyes**

Identify, describe, explain, analyse and evaluate. Contact skills.

**Section A – Emancipation of Expressionism**

Similarities of professional works, hypothetical choreography, applying to written work.

**Section C - Shadows**

Features of the piece. Identify, describe, explain, analyse and evaluate. Comparing professional works.

**Section B – Reflection & Performance Skills**

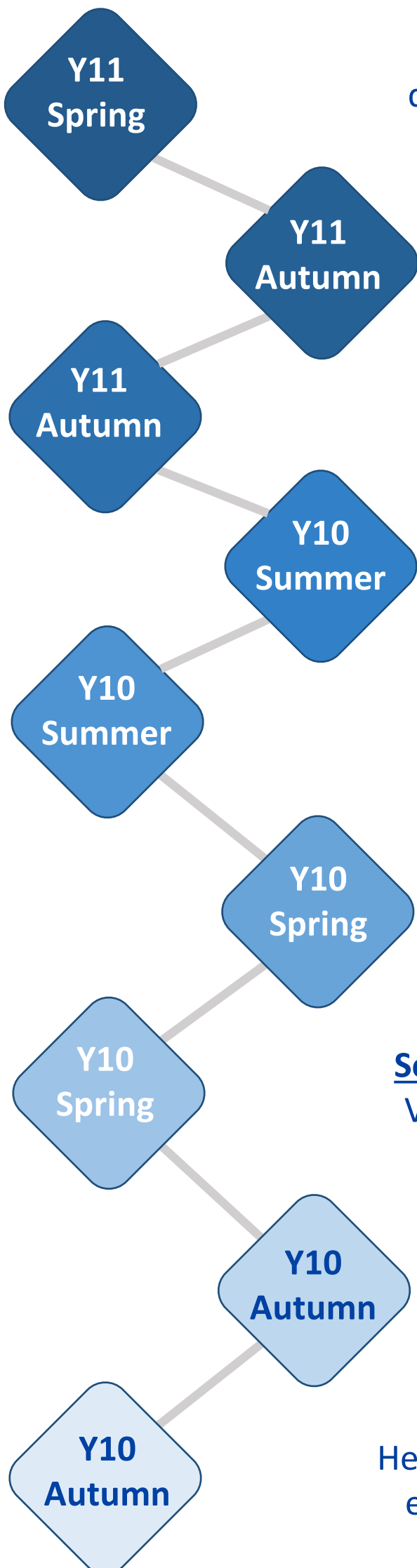
Video analysis, application of performance skills Freeflow duet/trios.

**Section C – A Linha Curva**

Features of the piece. Identify, describe, explain, analyse and evaluate. Developing movement

**RAMBERT****Safe Practice / Technique**

Health and safety, execution. Physical, technical expressive and mental skills. Contemporary techniques





# GCSE Photography Learning Journey

## ASSESSMENT

10 hour controlled assessment, for Component 2

## Externally Set Assignment

The component 2 brief is set by the exam board which will make up the other 40% of your final mark.

- Choose one of the AQA set briefs
- Develop a portfolio of work in response to the brief
- 10 hour controlled assessment to refine and present final images

## Year 11

### Life

The summer term continues exploring photography through the topic of Life using a variety of techniques and processes to develop the work further.

- Developing photographic studies
- Using other media
- Present final work

### Still Life / Life (finalised)

The start of year 11 is where we develop work from your best portfolios to submit as component 1 coursework - 60% of your mark.

- Through photographic shoots explore a deeper understanding of the work
- Finalise portfolio work
- Present final work

## ASSESSMENTS

Assessment of Component 1

## ASSESSMENTS

Continuous feedback and assessment of portfolio work

### Still Life

In the middle of the autumn term the second project is the broad theme of Still Life where you will further your skills and understanding.

- Investigate this topic through photographer's work
- Create and refine photographic work/ideas
- Present a meaningful response

### Introduction

During the subject introduction you will master a range of digital techniques while exploring photography in relation to different topics.

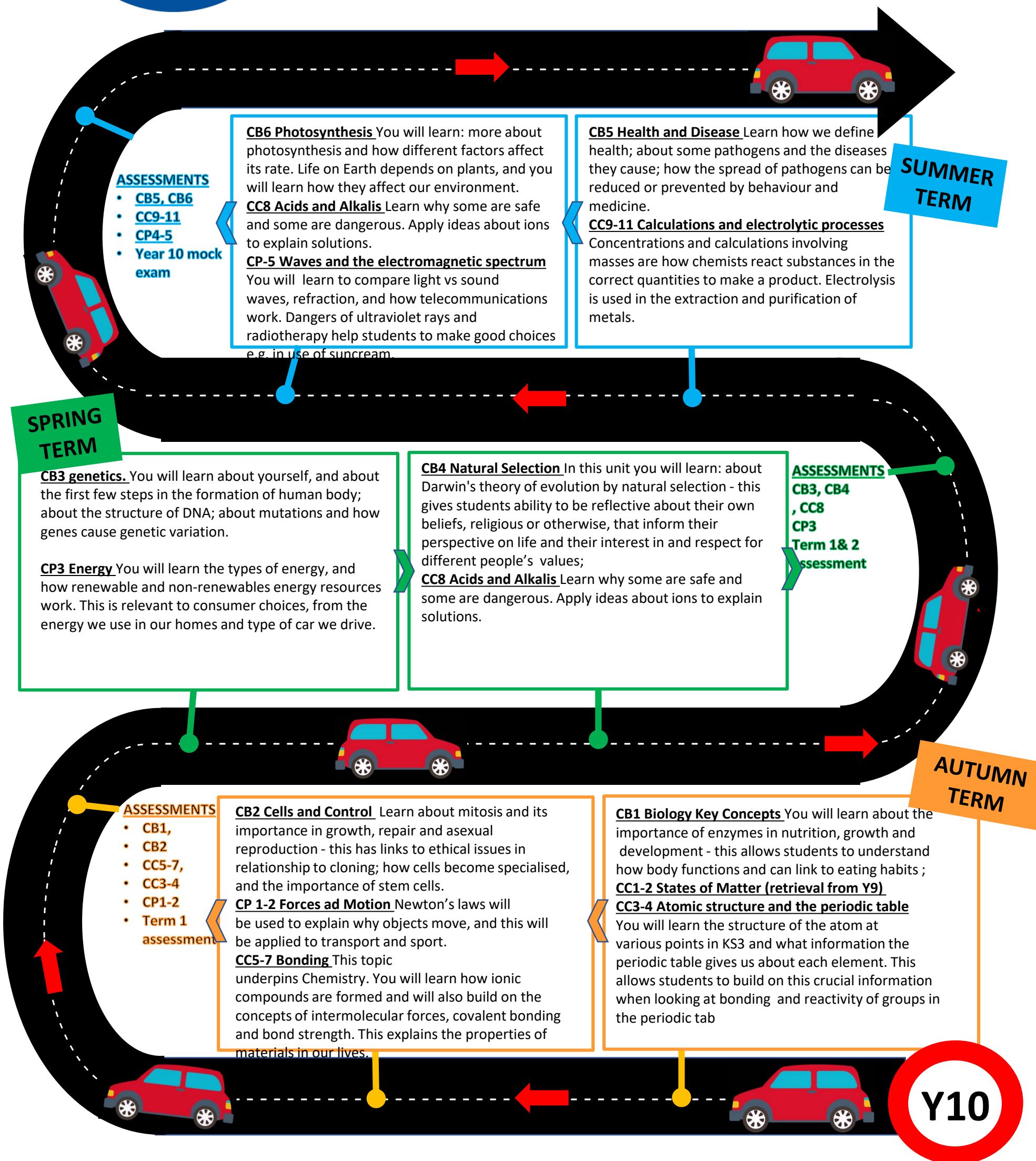
- Develop understanding and techniques in the use of a camera
- Develop techniques in editing digital photographs.
- Understanding the work of others and presenting your own work

## Year 10

GCSE



# Year 10 Combined Science Learning Journey







# Year 10 Triple Science Learning Journey

## ASSESSMENTS

- SB5, SB6
- SC9-11,13,
- SC17-19
- SP6, SP7
- [Year 10 mockS](#)

**SB6 Photosynthesis** You will learn: more about photosynthesis and how different factors affect its rate. Life on Earth depends on plants, and you will learn how they affect our environment.

**SC17-19 Rates of Reaction** You will look at the energy changes that explain why reactions happen. This allows chemists to think about the optimum conditions for chemical reactions, an essential step in any industrial process.

**SP7 Astronomy** Learn to explain the evidence for the competing theories for the formation of our Universe. An exciting area of Science relevant to technology and the future of space travel.

**SB5 Health and Disease** Learn how we define health; about some pathogens and the diseases they cause; how the spread of pathogens can be reduced or prevented by behaviour and medicine.

## SC10-11,13 Calculations and electrolytic processes

Electrolysis is used in the extraction and purification of metals.

**SP6 Radioactivity** Learn to explain the hazards and uses of radioactivity, and what the future holds in terms of using fission and fusion to generate electricity.

## SUMMER TERM

### Careers in Term 3

- ☐ Microbiologist
- ☐ Immunologist
- ☐ Botanist
- ☐ Energy Engineer
- ☐ Chemist

## SPRING TERM

**SB3 genetics.** You will learn about yourself, and about the first few steps in the formation of human body; about the structure of DNA; about mutations and how genes cause genetic variation.

## SP-5 Waves and the electromagnetic spectrum

You will learn to compare light vs sound waves, refraction, and how telecommunications work. Dangers of ultraviolet rays and radiotherapy help students to make good choices e.g. in use of sunscreen.

**SB4 Natural Selection** In this unit you will learn: about Darwin's theory of evolution by natural selection - this gives students ability to be reflective about their own beliefs, religious or otherwise, that inform their perspective on life.

**SC8 Acids and Alkalis** Learn why some are safe and some are dangerous. Apply ideas about ions to explain solutions.

## SC9 calculation involving masses

Concentrations and calculations involving masses are how chemists react substances in the correct quantities to make a product.

## ASSESSMENTS

- SB3, SB4
- SC8
- SP4, SP5,

- ☐ Geneticist
- ☐ Evolutionary biologist
- ☐ Phlebotomist
- ☐ Forensic scientist
- ☐ Aerospace engineer
- ☐ Automotive engineer

### Careers Term 2

## AUTUMN TERM

### Careers Term 1

- ☐ Radiologist
- ☐ Seismologist
- ☐ Electronic Engineer
- ☐ Water treatment worker
- ☐ Atomic Physicist

**SB2 Cells and Control** Learn about mitosis and its importance in growth, repair and asexual reproduction - this has links to ethical issues in relationship to cloning; how cells become specialised, and the importance of stem cells.

**SC5-7 Bonding** This topic underpins Chemistry. You will learn how ionic compounds are formed and will also build on the concepts of intermolecular forces, covalent bonding and bond strength. This explains the properties of materials in our lives.

**SP3 Energy** You will learn the types of energy, and how renewable and non-renewables energy resources work. This is relevant to consumer choices, from the energy we use in our

**SB1 Biology Key Concepts** You will learn about the importance of enzymes in nutrition, growth and development - this allows students to understand how body functions and can link to eating habits ;

**SC1-2 States of Matter** retrieval from Y9

## SC3-4 Atomic structure and the periodic table

You will learn the structure of the atom at various points in KS3 and what information the periodic table gives us about each element. This allows students to build on this crucial information when looking at bonding and reactivity of groups in the periodic table

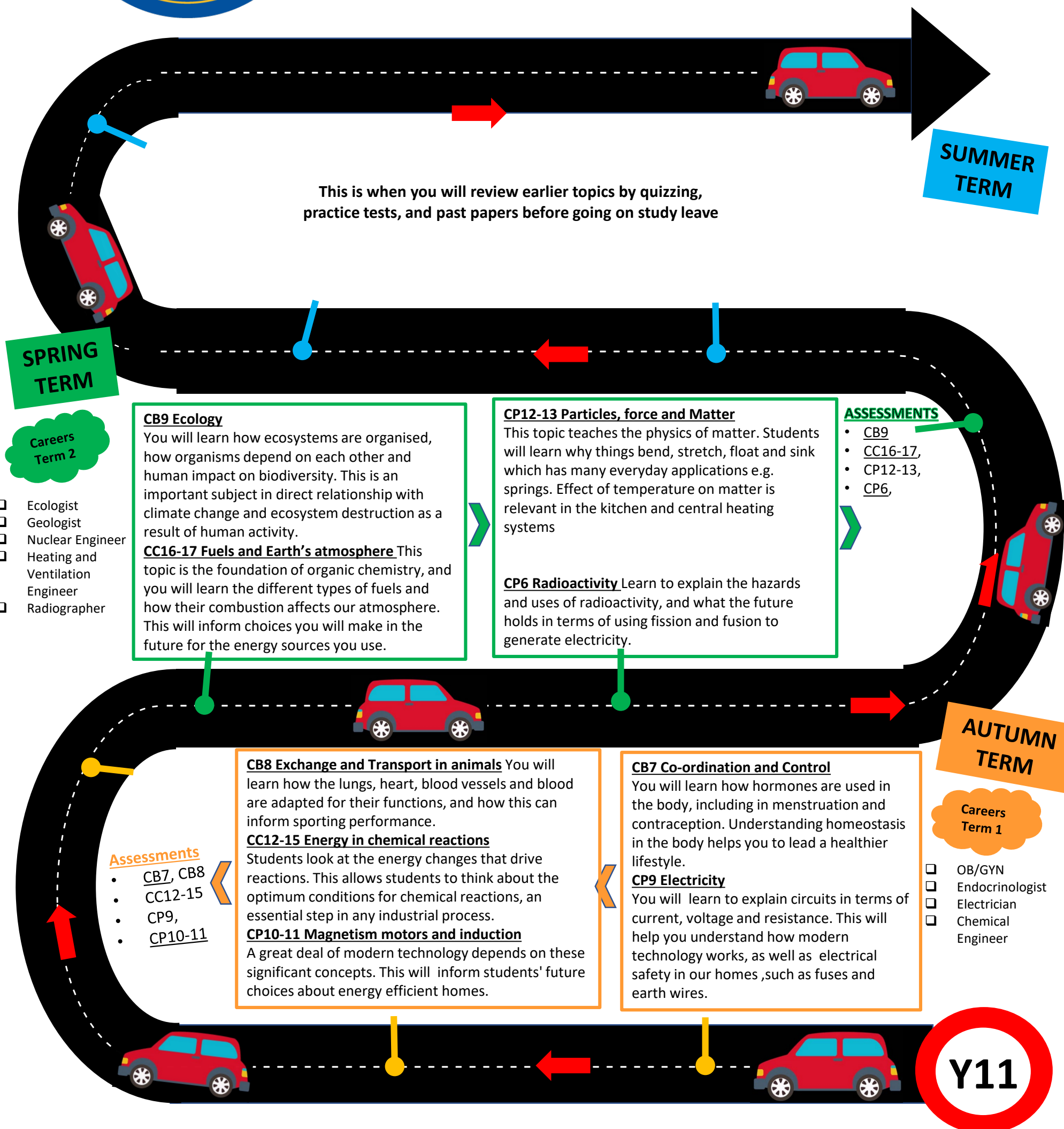
**SP 1-2 Forces and Motion** Newton's laws will be used to explain why objects move, and this will be applied to transport and sport.

Y10





# Year 11 Combined Science Learning Journey





# Year 11 Triple Science Learning Journey

SUMMER TERM

This is when you will review earlier topics by quizzing, practice tests, and past papers before going on study leave

SPRING TERM

Careers Term 2

## **SB9 Ecology**

You will learn how ecosystems are organised, how organisms depend on each other and human impact on biodiversity. This is an important subject in direct relationship with climate change and ecosystem destruction as a result of human activity.

## **SC22-26 Hydrocarbons and qualitative analysis**

This allows students to think about the concepts they experience in everyday life; whether it be the manufacture of cosmetics, the development of pharmaceuticals or the creation of everyday items such as teflon or nylon. Especially relevant for students thinking of careers in medicine, pharmaceuticals or chemical engineering.

## **SP14-15 Particles, force and Matter**

Students will learn why things bend, stretch, float and sink which has many everyday applications e.g. springs. Effect of temperature on matter is relevant in the kitchen and central heating systems.

**SC20-21 Fuels and Earth's atmosphere** This topic is the foundation of organic chemistry, and you will learn the different types of fuels and how their combustion affects our atmosphere. This will inform choices you will make in the future for the energy sources you use.

## **Assessments**

- SC20-21
- SC22-24
- SC25-26
- SB9
- SP14-15

- ☐ Ecologist
- ☐ Geologist
- ☐ Nuclear Engineer
- ☐ Heating and Ventilation Engineer
- ☐ Radiographer
- ☐ Pharmacist

AUTUMN TERM

Careers Term 1

## **Assessments**

- SB7,
- SB8
- SC14-16
- SP10-11,
- SP12-13

**SB8 Exchange and Transport in animals** You will learn how the lungs, heart, blood vessels and blood are adapted for their functions, and how this can inform sporting performance.

## **CC14-16&12 Energy in chemical reactions**

Students look at the energy changes that drive reactions. This allows students to think about the optimum conditions for chemical reactions, an essential step in any industrial process.

## **SP12-13 Magnetism motors and induction**

A great deal of modern technology depends on these significant concepts. This will inform students' future choices about energy efficient homes

**SB7 Co-ordination and Control** You will learn how hormones are used in the body, including in menstruation and contraception. Understanding homeostasis in the body helps you to lead a healthier lifestyle.

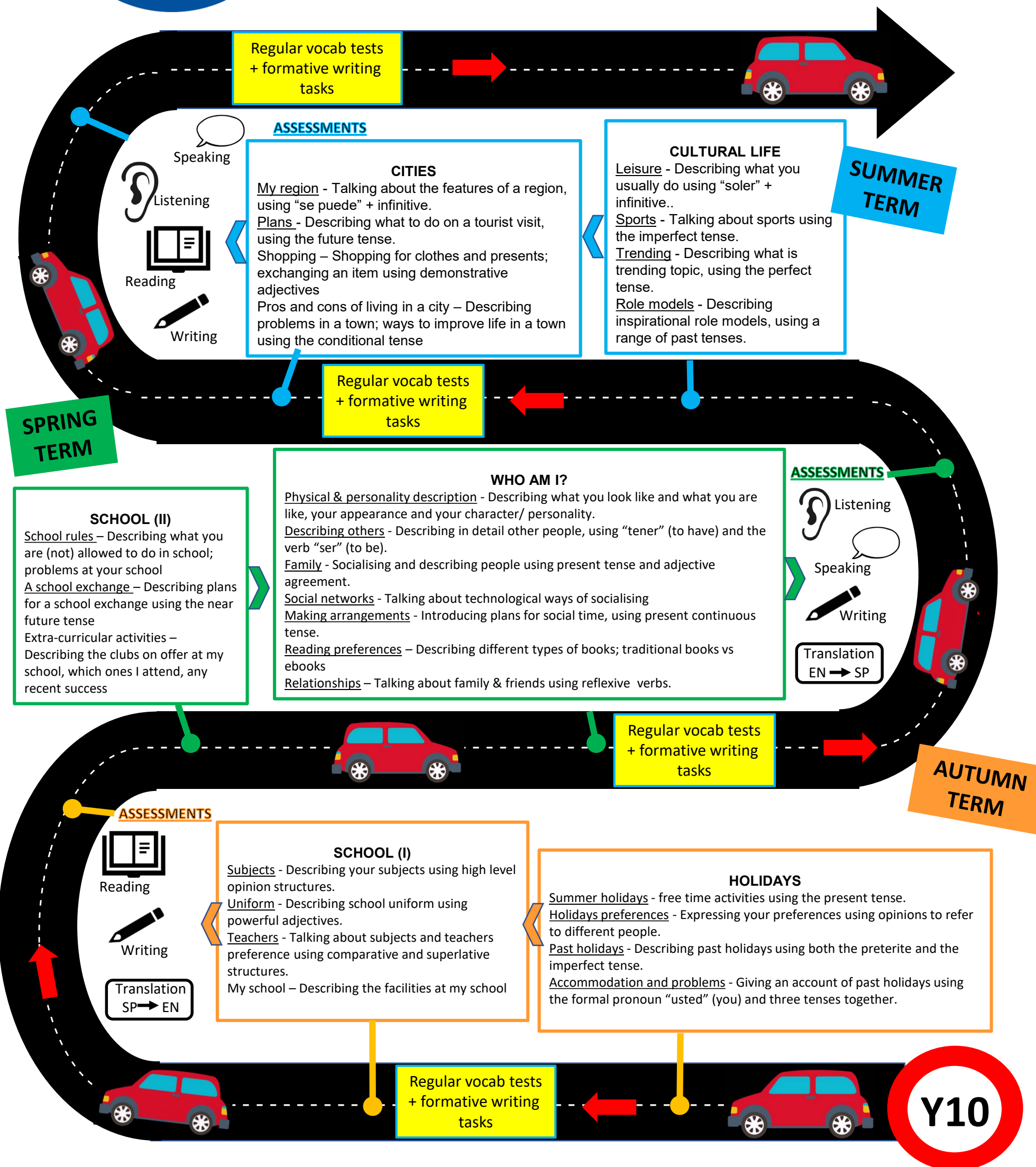
**SP10-11 Electricity** You will learn to explain circuits and static electricity in terms of current, voltage and resistance. This will help you understand how modern technology works, as well as electrical safety in our homes, such as fuses and earth wires.

- ☐ OB/GYN
- ☐ Endocrinologist
- ☐ Electrician
- ☐ Chemical Engineer

Y11



# Year 10 Spanish Learning Journey





# Year 11 Spanish Learning Journey

