



Leventhorpe
A Business and Enterprise Academy

**YEAR 11 MOCK EXAMINATIONS
STUDENT REVISION GUIDE
November 2020**

Leventhorpe Year 11 Mock Examination Revision List

Subject	English Language	Exam board	EDUQAS	Number of Exams	1
Topics to revise					
<p>COMPONENT 2 -2 hours 19th and 21st Century Non-fiction Reading and Transactional/Persuasive Writing</p> <p>Section A (Reading) 40 marks</p> <ul style="list-style-type: none"> • about 10 minutes reading - about 50 minutes answering the questions <p>Skills assessed</p> <ul style="list-style-type: none"> • Reading, Retrieving information, Identifying thoughts and feelings • How writers express themes, mood and atmosphere, Comparing text <p>Revision tips – Look back over reading booklet: read, select and retrieve information and then timed writing for 10 marked answers. List connective for comparison. Timed reading activities</p> <p>Section B (Writing) 40 marks</p> <ul style="list-style-type: none"> • spend 30 minutes on each question, about 5 minutes planning, about 25 minutes writing <p>Skills Assessed</p> <ul style="list-style-type: none"> • Spelling, Punctuation, Grammar, Narrative writing <p>Revision tips – Look at exam questions identify F.A.R.T. Create a booklet showing how to set out each form of writing. Make 5 minute plans. Write under timed conditions, stop and check use mark schemes to assess. Highlight F.A.R.T.</p>					

Subject	English Literature	Exam board	EDUQAS	Number of Exams	1
Topics to revise					
<p>A Christmas Carol by Charles Dickens Lord of the Flies by William Golding</p> <p>For each of these texts, you will be given a short extract and a question which relates to it. The question could be about a character, for example, or perhaps a theme. In your answer you are expected to refer closely to the extract itself and write about the novel as a whole. The exam will be 90 minutes long, giving you 45 minutes to write about each text.</p> <p>When writing about A Christmas Carol, you are expected to show understanding of the context in which it was written.</p> <p>When writing about Lord of the Flies, you need to remember that you will be assessed partly on your vocabulary, punctuation, sentence structure and spelling.</p> <p>Revision tips – Thinking maps, revision cards, label with quotes, make a quiz - links to context or match up activities, watch YouTube clips, bite size or go to the quizzlet link from your teacher.</p>					

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Subject	GCSE Business	Exam board	AQA	Number of Exams	1
Topics to revise					
<p>GCSE Business, AQA - 2 exams and topics to Revise:</p> <p>Section 1: Business in the Real World Section 2: Influences on Business</p> <p>And all topics your class has studied so far (These may vary from class to class, but your paper will reflect what you have studied) from:</p> <p>Section 3: Business Operations Section 4: Human Resources Section 5: Marketing Section 6: Finance</p>					
Subject	Geography	Exam board	AQA	Number of Exams	2
Topics to revise					
<p>Physical Paper 1.5 hours</p> <ol style="list-style-type: none"> 1. Natural Hazards <ul style="list-style-type: none"> • tectonics, • weather hazards, • climate change 2. The Living World <ul style="list-style-type: none"> • introduction to ecosystems, • tropical rainforests, • hot deserts 3. Physical Landscapes in the UK <ul style="list-style-type: none"> • UK landscapes, • rivers • coasts <p>Human Paper 1 hour</p> <ol style="list-style-type: none"> 1. Urban issues and Challenges <ul style="list-style-type: none"> • the urban world including case study of a city in an LIC or NEE; urban change in the UK including case study of a major UK city; • Sustainable urban development. 2. Resource Management <ul style="list-style-type: none"> • Focus on food 					

Leventhorpe Year 11 Mock Examination Revision List

Subject	Computer Science	Exam board	OCR	Number of Exams	1
Topics to revise					
<u>Component 1</u>					
Systems Architecture					
CPU purpose	CPU registers	CPU components & functions			
Factors affecting performance	Embedded systems	FDE cycle			
Memory					
RAM vs. ROM	Purpose of RAM	Purpose of ROM			
Virtual memory	Flash memory				
Storage					
Need for storage	Data capacity	Common storage types			
Storage characteristics					
Wired and wireless networks					
LAN & WANs	Network performance	Client-server & peer-to-peer	Virtual networks		
Hardware required for internet connection	The Internet	Star & mesh	Protocols		
Layers	Packet switching				
Ethical, legal, cultural and environmental concerns					
Ethical issues	How stakeholders are affected by tech	Relevant legislation			
Systems software					
Operating systems	Utility software				
<u>Component 2</u>					
Algorithms					
Computational thinking	Searching algorithms	Sorting algorithms			
Producing algorithms	Interpret, correcting or completing algorithms				
Programming Techniques					
Variables, constants, operators, inputs, assignments	Basic constructs	String manipulation			

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Basic file handling

Records to store data

SQL to search for data

Arrays

Sub programs

Data types

Arithmetic operators

Common Boolean
operators

Binary conversions

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Subject	History	Exam board	AQA	Number of Exams	3
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Topics to revise

Paper 1: Understanding the modern world Section B: Wider world depth studies

Conflict and tension, 1894–1918 – the causes and course of World War I

What you need to know.

- The complex and diverse interests of the Great Powers and other countries.
- How and why conflict occurred between the 'Great Powers' in Europe and why this conflict led to war.
- The nature of the First World War: how it was fought and the outcomes of significant battles.
- The ending of the war and why it proved so difficult to bring about.
- The role of key individuals and groups in shaping change; how they were affected by, and influenced international relations.

Part one: The causes of the First World War

- The Alliance System:
 - the Triple Alliance;
 - Franco-Russian Alliance;
 - relations between the 'Entente' powers;
 - the crisis in Morocco (1905 and 1911)
 - the crisis in the Balkans (1908–1909),
 - the effects of these crises on international relations.
- Anglo-German rivalry:
 - Britain and challenges to Splendid Isolation;
 - Kaiser Wilhelm's aims in foreign policy, including Weltpolitik;
 - colonial tensions;
 - European rearmament, including the Anglo-German naval race.

- Outbreak of war:
 - Slav nationalism and relations between Serbia and Austria-Hungary;
 - the assassination of Archduke Franz Ferdinand in Sarajevo and its consequences;
 - the July Crisis;
 - the Schlieffen Plan and Belgium;
 - reasons for the outbreak of hostilities and the escalation of the conflict.

Part two: The First World War: stalemate

- The Schlieffen Plan:
 - the reasons for the plan,
 - its failure, including the Battle of Marne and its contribution to the stalemate.
- The Western Front:
 - military tactics and technology, including trench warfare;
 - the war of attrition; key battles, including Verdun, the Somme and Passchendaele,
 - the reasons for each battle;
 - the events and significance of these battles.

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- The war on other fronts:
 - Gallipoli and its failure;
 - the events and significance of the war at sea, including Jutland, the U-Boat campaign and convoys.

Part three: Ending the war

- Changes in the Allied Forces:
 - the consequences of the Bolshevik Revolution,
 - the withdrawal of Russia on Germany strategy;
 - the reasons for and impact of the entry of the USA into the war.

- Military developments in 1918 and their contribution to Germany's defeat:
 - the evolution of tactics and technology;
 - Ludendorff the German Spring Offensive;
 - the Allied advance during The Hundred Days.

- Germany surrenders:
 - impact of the blockade;
 - abdication of the Kaiser;
 - armistice;
 - the contribution of Haig and Foch to Germany's defeat.

Paper 2: Shaping the Nation Section A: Thematic studies

Britain: Health and the people: c1000 to the present day

What you need to know.

<p>The Middle Ages c.1000 – 1450 Medicine stands still</p>	<ul style="list-style-type: none"> • Medieval medicine: natural, supernatural, ideas of Hippocratic and Galenic methods and treatments; the medieval doctor; training, beliefs about cause of illness. • Medical progress: the contribution of Christianity to medical progress and treatment; hospitals; the nature and importance of Islamic medicine and surgery; surgery in medieval times, ideas and techniques. • Public health in the Middle Ages: towns and monasteries; the Black Death in Britain, beliefs about its causes, treatment and prevention.
<p>Beginnings of change 1450-1750</p> <p>The impact of the Renaissance on Britain</p>	<ul style="list-style-type: none"> • The impact of the Renaissance on Britain: challenge to medical authority in anatomy, physiology and surgery; the work of Vesalius, Paré, William Harvey; opposition to change. • Dealing with disease: traditional and new methods of treatments; quackery; methods of treating disease; plague; the growth of hospitals; changes to the training and status of surgeons and physicians; the work of John Hunter. • Prevention of disease: inoculation; Edward Jenner, vaccination and opposition to change.

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<p>The Industrial Revolution 1750-1900</p> <p>A revolution in medicine</p>	<ul style="list-style-type: none">• The development of Germ Theory and its impact on the treatment of disease in Britain: the importance of Pasteur, Robert Koch and microbe hunting; Pasteur and vaccination; Paul Ehrlich and magic bullets; everyday medical treatments and remedies.• A revolution in surgery: anaesthetics, including Simpson and chloroform; antiseptics, including Lister and carbolic acid; surgical procedures; aseptic surgery.• Improvements in public health: public health problems in industrial Britain; cholera epidemics; the role of public health reformers; local and national government involvement in public health improvement, including the 1848 and 1875 Public Health Acts.
<p>Modern medicine 1900-today</p>	<ul style="list-style-type: none">• Modern treatment of disease: the development of the pharmaceutical industry; penicillin, its discovery by Fleming, its development; new diseases and treatments, antibiotic resistance; alternative treatments.• The impact of war and technology on surgery: plastic surgery; blood transfusions; X-rays; transplant surgery; modern surgical methods, including lasers, radiation therapy and keyhole surgery.• Modern public health: the importance of Booth, Rowntree, and the Boer War; the Liberal social reforms; the impact of two world wars on public health, poverty and housing; the Beveridge Report and the Welfare State; creation and development of the National Health Service; costs, choices and the issues of healthcare in the 21st century.

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Subject	Music	Exam board	Eduqas	Number of Exams	1
Topics to revise					
<u>Topics to revise</u>					
Listening exam					
<ul style="list-style-type: none">• Mozart Set Work• Rainbow Set work• Listening skills in all genres• The Elements of Music melody • harmony • tonality • form and structure • dynamics • sonority • texture • tempo • rhythm • metre• Musical Contexts<ul style="list-style-type: none">• the purpose and intention of composers, performers and those who commission music• the effect of the occasion, audience and choice of venue on the way music is composed and performed• how music is created, developed and performed in different social, historical and cultural contexts• Musical Language<ul style="list-style-type: none">• reading and writing treble and bass clef staff notation in simple time• reading treble and bass clef staff notation in compound time• roman numerals for chords I, ii, iii, IV, V and vi in a major key• contemporary chord symbols for chords within a major key e.g. C, Dm, Em, F G(7) and Am• reading and writing key signatures to four sharps and flats• musical vocabulary related to areas of study• Music theory from Study Guide• Italian terms					
One solo performance (at least 1 1/2 minutes long)					
One composition (at least 2 minutes long)					
Number of Exams: 1 (+ 1 Solo Performance and 1 Composition)					

Leventhorpe Year 11 Mock Examination Revision List

Subject	Mathematics	Exam board	Edexcel	Number of Exams	3
Topics to revise					
<p>The exam board we use in Maths is Edexcel and the qualification consists of three equally-weighted exam papers at either Foundation tier or Higher tier.</p>					
<p>There are three exam papers, all of which are 1 hr 30 minutes long. Each paper is out of 80 marks and the scores from the three papers will be combined to generate a final grade.</p>					
<p>Paper 1 is a non-calculator exam paper but calculators are allowed for Paper 2 and Paper 3.</p>					
<p>The exam papers will cover the following content headings:</p>					
<ul style="list-style-type: none">• Number• Algebra• Ratio, proportion and rates of change• Geometry and measures• Statistics• Probability					
<p>Each paper will cover a range of topics across these headings and the exam questions are designed to cover three assessment objectives:</p>					
<ul style="list-style-type: none">• Using and applying standard techniques• Reasoning, interpreting and communicating mathematically• Solving problems within mathematical and other contexts.					

Leventhorpe Year 11 Mock Examination Revision List

Subject	PE	Exam board	AQA	Number of Exams	2
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Topics to revise

Paper 1:

Applied anatomy and physiology

- Bones
- Joints
- skeleton

Movement Analysis

- Planes/axis
- Movement descriptors
- Levers

Cardio-respiratory

- The lungs
- Blood vessels
- Heart
- Anaerobic/aerobic exercise

Physical Training

- COF
- Training methods
- Testing
- Warm up/cool down
- Injury
- Seasonal aspects

Data

Paper 2:

Sport Psychology

- Skill
- Feedback
- Mental preparation
- Motivation

Socio-cultural influences

- Golden Triangle and technology
- Conduct in sport
- Drugs

Health, fitness and well-being

- Health
- Somatotypes
- Diet

Data

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Subject	Religion, Philosophy & Ethics	Exam board	AQA	Number of Exams	2
Topics to revise					
Paper 1: Themes (90 mins)					
Relationships and Family					
<ul style="list-style-type: none">• Human sexuality• Sexual relationships before and outside of marriage• Contraception and family planning• Marriage, divorce and remarriage• The nature and purposes of families• Religious attitudes to gender equality					
Religion and life					
<ul style="list-style-type: none">• Origins of the universe and value of the world• Use and abuse of the environment and pollution• Use and abuse of animals• Origins of human life• Abortion and euthanasia• Death and the afterlife					
Religion, peace and conflict					
<ul style="list-style-type: none">• Violence, violent protest and terrorism• Reasons for war• Nuclear war and weapons of mass destruction• Just War• Holy War and religion as a cause of conflict• Pacifism and peacemaking• Religious responses to victims of war					
Paper 2: World Religions (50 mins)					
Christianity Beliefs and teachings					
<ul style="list-style-type: none">• Nature of God (God as omnipotent, loving and just)• Oneness of God and the Trinity• Different Christian beliefs about creation• The Incarnation and Jesus, the Son of God• The crucifixion• The resurrection and ascension• Resurrection and life after death• The afterlife and judgment (Heaven and hell)• Sin and salvation• The role of Christ in salvation					
Christianity: Practices					
<ul style="list-style-type: none">• Worship• Prayer• Sacraments (Baptism, Holy Communion)• Pilgrimage• Celebrating festivals• Role of the Church in local community (Food banks, Street Pastors)					

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- The place of mission and evangelism
- Church growth
- The importance of the global church
- Christian persecution
- Responses to poverty

Subject	Science	Exam board	AQA	Number of Exams	3
Topics to revise					
Biology					
<ul style="list-style-type: none">• Cell biology• Organisation• Infection and response• Bioenergetics					
Chemistry					
<ul style="list-style-type: none">• Atomic structure and the periodic table• Bonding• Quantitative chemistry• Chemical changes• Energy changes					
Physics					
<ul style="list-style-type: none">• Energy• Electricity• Particle model of matter• Atomic structure and radioactivity					

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Subject	Spanish	Exam board	Edexcel	Number of Exams	4
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Topics to revise

Make up of exam:

- Listening 33.33%
- Reading 33.33%
- Writing 33.33%
- Speaking will be a separate endorsement classified under the gradings of pass, merit, distinction and will sit alongside their official GCSE grade.

Everything from the start of the course (year 10 & year 11 material covered so far)

Theme: Identity and culture

- *Who am I?:* relationships; when I was younger; what my friends and family are like; what makes a good friend; interests; socialising with friends and family; role models
- *Daily life:* customs and everyday life; food and drink; shopping; social media and technology (use of, advantages and disadvantages)
- *Cultural life:* celebrations and festivals; reading; music; sport; film and television

Theme: Local area, holiday and travel

- *Holidays:* preferences; experiences; and destinations
- *Travel and tourist transactions:* travel and accommodation; asking for help and dealing with problems; directions; eating out; shopping
- *Town, region and country:* weather; places to see; things to do

Theme: School

- *What school is like:* school types; school day; subjects; rules and pressures; celebrating success
- *School activities:* school trips; events; exchanges

Theme: Future aspirations, study and work

- *Using languages beyond the classroom:* forming relationships; travel; employment
- *Ambitions:* further study; volunteering; training
- *Work:* jobs; careers; professions

Theme: International and global dimension

- *Bringing the world together:* sports events; music events; campaigns and good causes
- *Environmental issues:* being 'green'; access to natural resources

- The speaking exam will only include material from modules 1 to 7
- The writing paper will only include material from modules 1 to 7
- The listening and reading papers will include mainly material covered in lessons but may also include material not covered in lessons as students will complete past papers in these two skills

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Top Tips:

Remember that when writing and speaking you need to produce accurate language and:

- refer to the past, present, and future,
- extend your answers (ensure there is balance to what you say)
- narrate, inform or describe an event/situation
- include some impressive phrases and language
- ask the examiner at least 3 questions (speaking only)

Leventhorpe Year 11 Mock Examination Revision List

Subject	French	Exam board	Edexcel	Number of Exams	4
Topics to revise					
Make up of exam:					
<ul style="list-style-type: none">• Listening 33.33%• Reading 33.33%• Writing 33.33%• Speaking will be a separate endorsement classified under the gradings of pass, merit, distinction and will sit alongside their official GCSE grade.					
Everything from the start of the course (year 10 & year 11 material covered so far)					
Theme: Identity and culture					
<ul style="list-style-type: none">• <i>Who am I?:</i> relationships; when I was younger; what my friends and family are like; what makes a good friend; interests; socialising with friends and family; role models• <i>Daily life:</i> customs and everyday life; food and drink; shopping; social media and technology (use of, advantages and disadvantages)• <i>Cultural life:</i> celebrations and festivals; reading; music; sport; film and television					
Theme: Local area, holiday and travel					
<ul style="list-style-type: none">• <i>Holidays:</i> preferences; experiences; destinations• <i>Travel and tourist transactions:</i> travel and accommodation; asking for help and dealing with problems; directions; eating out; shopping• <i>Town, region and country:</i> weather; places to see; things to do					
Theme: School					
<ul style="list-style-type: none">• <i>What school is like:</i> school types; school day; subjects; rules and pressures; celebrating success• <i>School activities:</i> school trips; events and exchanges					
Theme: Future aspirations, study and work					
<ul style="list-style-type: none">• <i>Using languages beyond the classroom:</i> forming relationships; travel; employment• <i>Ambitions:</i> further study; volunteering; training• <i>Work:</i> jobs; careers and professions					
Theme: International and global dimension					
<ul style="list-style-type: none">• <i>Bringing the world together:</i> sports events; music events; campaigns and good causes• <i>Environmental issues:</i> being 'green'; access to natural resources					
<ul style="list-style-type: none">• The speaking exam will only include material from modules 1 to 6• The writing paper will only include material from modules 1 to 6• The listening and reading papers will include mainly material covered in lessons but may also include material not covered in lessons as students will complete past papers in these two skills					
Top Tips:					
Remember that when writing and speaking you need to produce accurate language and:					
<ul style="list-style-type: none">• refer to the past, present, and future,• extend your answers (ensure there is balance to what you say)• narrate, inform or describe an event/situation• include some impressive phrases and language• ask the examiner at least 3 questions (speaking only)					

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Subject	Food Preparation & Nutrition	Exam board	AQA	Number of Exams	1
Topics to revise					
<ul style="list-style-type: none">• General practical skills• Knife skills• Preparing fruit and vegetables• Use of the cooker• Use of equipment• Cooking methods• Prepare, combine and shape• Sauce making• Tenderise and marinate• Dough• Raising agents• Setting mixtures• Macronutrients• Fats• Carbohydrates• Vitamins• Minerals• Water• Making informed choices for a varied and balanced diet• Energy needs• Diet, nutrition and health• Cooking of food and heat transfer• Functional and chemical properties of food• Food spoilage and contamination• Principles of food safety• Factors affecting food choice• British and international cuisines• Environmental impact and sustainability of food• Food processing and production					

Leventhorpe Year 11 Mock Examination Revision List

Subject	Design & Technology	Exam board	Edexcel	Number of Exams	1
Topics to revise					
<p>All Design and Technology Students should revise:</p> <ul style="list-style-type: none"> • The impact of new and emerging technologies • How the critical evaluation of new and emerging technologies informs design decisions; considering contemporary and potential future scenarios from different perspectives, such as ethics and the environment • How energy is generated and stored in order to choose and use appropriate sources to make products and power systems • Developments in modern and smart materials, composite materials and technical textiles • The functions of mechanical devices used to produce different sorts of movements, including the changing of magnitude and the direction of forces • How electronic systems provide functionality to products and processes, including sensors and control devices to respond to a variety of inputs, and devices to produce a range of outputs • The use of programmable components to embed functionality into products in order to enhance and customise their operation • The categorisation of the types, properties and structure of ferrous and non-ferrous metals • The categorisation of the types, properties and structure of papers and boards • The categorisation of the types, properties and structure of thermoforming and thermosetting polymers • The categorisation of the types, properties and structure of natural, synthetic, blended and mixed fibres, and woven, non-woven and knitted textiles • The categorisation of the types, properties and structure of natural and manufactured timbers • Environmental, social and economic challenges when identifying opportunities and constraints that influence the processes of designing and making • Investigate and analyse the work of past and present professionals and companies in order to inform design • Different design strategies to generate initial ideas and avoid design fixation <p>Product Design Students should also revise:</p> <ul style="list-style-type: none"> • The sources, origins, physical and working properties of each natural and manufactured timber and their social and ecological footprint • The way in which the selection of each natural and manufactured timber is influenced • The impact of forces and stresses on each natural and manufactured timber and how they can be reinforced and stiffened • Typical stock forms, types and sizes used in order to calculate and determine the required quantity of each natural and manufactured timber • Alternative processes that can be used to manufacture typical products of each natural and manufactured timber to different scales of production • Specialist techniques, tools, equipment and processes that can be used on each natural and manufactured timber to shape, fabricate, construct and assemble a high-quality prototype • Appropriate surface treatments and finishes that can be applied to each natural and manufactured timber for functional and aesthetic purposes <p>Graphic Design Students should also revise:</p> <ul style="list-style-type: none"> • The sources, origins, physical and working properties of papers and boards and their social and ecological footprint • The way in which the selection of papers and boards is influenced • The impact of forces and stresses on papers and boards and how they can be reinforced and stiffened • Stock forms, types and sizes in order to calculate and determine the quantity of papers and boards required 					

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- Alternative processes that can be used to manufacture paper and board products to different scales of production
- Specialist techniques, tools, equipment and processes that can be used to shape, fabricate, construct and assemble a high-quality paper and board prototype
- Appropriate surface treatments and finishes that can be applied to papers and boards for functional and aesthetic purposes

Textiles Students should also revise:

- The sources, origins, physical and working properties of natural, synthetic, woven and non-woven, knitted, blended and mixed-fibre textiles and their social and ecological footprint
- The way in which the selection of natural, synthetic, blended and mixed-fibre textiles is influenced
- The impact of forces and stresses on natural, synthetic, woven and non-woven, knitted, blended and mixed-fibre textiles and how they can be reinforced and stiffened
- Typical stock forms, types and sizes used in order to calculate and determine the required quantity of natural, synthetic, woven and non-woven, knitted, blended and mixed-fibre textiles
- Alternative processes that can be used to manufacture typical products of natural, synthetic, woven and non-woven, knitted, blended and mixed-fibre textiles to different scales of production
- Specialist techniques, tools, equipment and processes that can be used on natural, synthetic, woven and non-woven, knitted, blended and mixed-fibre textiles to shape, fabricate, construct and assemble a high-quality prototype
- Appropriate surface treatments and finishes that can be applied to natural, synthetic, woven and non-woven, knitted, blended and mixed fibre textiles for functional and aesthetic purposes