




Luton

Year 11 – 12

Try Out

Tasks

Luton



Year 11 – Year 12 Try Out Tasks

These tasks have been gathered together to let you explore the types of topic you might study at college or Sixth Form. These can help you keep learning as you prepare for your next steps. The tasks come from lots of different schools and colleges across the country (but please do not contact them directly).

How does it work?

The tasks are listed by subject in alphabetical order. We might not have an activity for the specific subject you want to study, but hopefully you will find something similar. For example, if you want to study radio production, try looking at the media, drama or performance tasks. If you want to study biomedical science, you might find the biology, chemistry or psychology tasks interesting. You can choose as many subjects as you want, but between two and four is recommended.

What do I when I am finished?


Once you have completed an enrichment task, you should keep them safe. You can share them with your personal tutor or subject tutors when you join your chosen college. You might also want to send them to your Year 11 tutor to show them how you have been spending your time at home.

Will these be marked?

These tasks aren't designed to be marked. But, they are still important as they can show your new tutors the standard of your work. They will also give you some indication of the types of topics that are covered in college and sixth form courses. However, the work on your specific course might be a little different as these are general introduction tasks.

Will my college also set me work?

Your college or sixth form might also set you some tasks to complete during the summer term or over the summer term. They will tell you about those tasks and whether they are optional or required. Remember, completing some work between now and when you return to college or sixth form will keep your mind active. It might also help you find transition easier as you have continued to learn.




Accounting (adapted from New College Pontefract)

- Find a definition for each of the types of finance below:
 - owner's capital
 - partners' capital
 - bank overdraft
 - bank loan
 - mortgage
 - ordinary shares
 - debentures
- For each type of finance, explore the benefits and drawbacks.

Animal Care

- Check whether your college has set you specific tasks to complete.
- Many people have expressed an interest in buying a new pet this year because of the lockdown.
- Research up to three different types of animal that people would consider for a pet. They can be from the same group e.g. amphibians, or different species e.g. cat, dog, spider.
- For each pet, make notes on what the potential owner needs to consider, for example:
 - Life span
 - Initial and ongoing cost
 - Veterinary treatments
 - Diet
 - Habitat/accommodation
 - Nature of the animal including behaviour
 - Accessories
 - Grooming
- Explore your thoughts on whether people should be buying pets during this time. You can present your ideas in a format that appeals to you e.g. report, PowerPoint, leaflet, mind map.



Art (adapted from Clitheroe Grammar School)

- Produce a series of sketches and/or observational drawings on the theme of 'Growth and Change'.
- Suitable starting points could include: people growing up, families, old and new buildings, changing landscapes, objects associated with time, trees and plants, the effects of time on objects (e.g. rusting and erosion).
- Select a small number of your sketches and annotate them to explore your artistic process and observations.

Biology (adapted from The Heathland School)

- Research at least one of the following areas:
 - DNA
 - Microscopes
 - Exchange and transport (e.g. the digestive system, gas exchange).
- Produce an informative poster or leaflet about your chosen area. Include diagrams and a glossary of key terms.

Business Studies/Enterprise (Oaks Park School)

- Research a business that has fallen into difficulty, including falling into administration or folding. Produce a report on your chosen business, including:
 - The origin and history of the business
 - Factors that contributed to its difficulties
 - Strategies and methods taken to avoid collapse
 - Impact of the collapse on employees and investors
 - Impact of collapse on the wider market e.g. the high street, restaurants
 - Possible actions the business could have taken to avoid collapse



Chemistry (adapted from King's Norton Girls School)

- Produce a document to show the differences between endothermic and exothermic reactions. You should include examples and may wish to include charts.
- Investigate and produce a response to the following question: Why is copper sulfate blue? You can expand this to consider other transition metal compounds.
- The following scientists explored atomic structure. Research their findings and draw a model to demonstrate their theory;
 - Democritus
 - John Dalton
 - JJ Thomson
 - Ernest Rutherford
 - Niels Bohr
 - James Chadwick
 - Louis de Broglie

Childcare

- Check to see if your college has set you any tasks.
- Research educational toys for a specific age group that interests you.
- For each toy, explore:
 - What skills it aims to develop
 - The design features
 - Interaction and participation
 - Its appearance and appeal
 - Any potential risks or hazards
- Using your research, make notes on the type of toy that would help a child develop:
 - Fine motor skills
 - Imagination
 - Co-operation
 - Spoken language skills
 - Number skills
 - Problem solving skills

Construction (building, plumbing, carpentry) (adapted from Weymouth College)


- Check to see if your college has set you any tasks.
- Draw or sketch images of the basic tools a builder, carpenter or plumber might need at the start of their career.
 - If you do not want to draw, you can use images from the internet or catalogues.
- For each tool, write brief notes explaining what it is and what it is for.
- Briefly research and make notes about the protective clothing and equipment (PPE) that a builder, carpenter or plumber might need.

Computer Science (adapted from King's Norton Girls School)

- Produce a fully annotated diagram on a single sheet of A4/A3 paper which shows how a CPU works. Make sure you include and label the components and registers.
- Research augmented reality. Complete a poster or table on the benefits, limitations and risks of augmented reality in the context of three of the following areas:
 - Medicine & health care
 - Gaming & entertainment
 - Schools & learning
 - Travel & tourism
 - Transport & navigation

Dance (adapted from St Aidan's High School)

- Research a choreographer that interests you. Produce an informative poster, collage or other text that includes:
 - Details of their background and influences
 - Details of their dance/choreographic style
 - A summary of the works that they have choreographed.
 - Analysis of one clip from the chosen practitioner, including details of the use of action, space, dynamics and relationships; costumes; staging and lighting; the aural setting (music and sound)
- Select a section of music of between 60 and 90 seconds. Create and notate choreography for your choice of music.




Design Technology (adapted from William Hulme Grammar School)

- Research and design a product that will help others with storage space in the home. The product can be for any space in the home, including the garden.
- You should:
 - Research and evaluate existing storage products
 - Produce at least 3 initial designs/sketches and evaluate them
 - Develop detailed plans for one of your designs, including materials, construction, assembly etc.
 - If possible, make a 3D model of your design from paper/card or use a free online design tool
 - A review and evaluation of your final design

Drama, including musical theatre (adapted from The Gryphon School)

- *Either:*
 - Find a monologue or short scene from a play. You can use a scene and song from a musical. Try not to use film scripts. Annotate the text to show how you would perform or direct an actor to perform. Include guidance for voice, movement, posture and proxemics.
- *Or:*
 - Think about a production you have seen, which can include musical theatre. Make notes about one or more of the technical elements of the performance and why they were successful or unsuccessful. You can include sketches and diagrams if you wish. Choose from:
 - Set
 - Lighting
 - Sound
 - Costume



Economics (adapted from Fortismere Academy)

- Choose one or two of the following questions:
 - Why do prices rise and fall?
 - Why do footballers get paid more than nurses?
 - What is the role of the Bank of England?
 - What is globalisation?
 - What economic impact might Brexit have on the UK?
- Research possible economic answers for your question and present them in a way that interests you e.g. report, poster, notes, PowerPoint.

English Language (adapted from The Burgate School and Sixth Form)

- *Either.*
 - Using any method or presentation (e.g. poster, poem, PowerPoint, essay, speech), explore the influence of text messaging and social media on language. Try and explore both positive and negative aspects.
- *Or.*
 - Using any method of presentation (e.g. poster, poem, PowerPoint, essay, speech), explore how new words are created and incorporated into language. Try to include examples of new words and their evolution.

English Literature

- Find three poems written after 1950. Do not use a poem you have studied before. Annotate the poems including notes on the effect of the poetic devices, the themes, the style and the wider message of the poem (if there is one). After annotating the poems, answer this question: How do poets use language, form and structure to convey their ideas?
- Read a prize-winning or classic novel. After you have read it, write a brief summary of the plot, themes and style. Then, explain why you would or wouldn't recommend it.



Film (adapted from Elthorne Park High School)


- Choose a film by your favourite director. Produce an information booklet or a digital presentation containing the following elements:
 - A detailed review of the film which you have written yourself
 - The impact on the spectator in terms of engagement and emotion
 - Information like memorable scenes and powerful moments
 - Research on the star, their star quality and their acting background
 - Information on the critical reception (this can be good and bad)
 - Information on budget and revenue
 - Other information that is interesting

French (adapted from Sawtry Sixth Form College)

- Produce an A4 or A3 poster that introduces French grammar – you should include the tenses you have studied, plus other areas including pronouns, gender and adjectives. Try to present this in a creative way.
- Find out about an event that has taken place in France over the past few weeks. Write a brief summary of the event in French, using the correct tense.
- Try to watch an age-appropriate French film or television programme. You can use the subtitles.

Geography (adapted from Sawtry Sixth Form College)

- Humans interact and change the physical environment across our planet. Use what you know from your GCSE course (and/or research other places) to create a virtual tour of the planet to show and explain how people have impacted the environment.
- You should aim to have at least four places and may wish to consider:
 - Polluted rivers and waterways
 - Deforestation
 - Air pollution/traffic/heavy industry
 - New opportunities in eco-resorts or tourism
 - Melting glaciers
- You can present your virtual tour in any format.



Graphic Design

- Select a product area that interests you e.g. food, sportswear, technology, personal care (including cosmetics)
- Collate a range of images that show the typography and or logos of products in your chosen area.
- Annotate each image with what you notice, including how it appeals to an audience.
- Select one of the products. Design at least three alternative branding concepts for your product. You should explore different typography, the use of colour, logos etc. Evaluate your ideas in note form.

Hair and Beauty (adapted from East Northamptonshire College)

Hair:

- Check to see if your college has set you any tasks.
- Research 5 contraindications for hair colouring and/or hair extension services. Make notes on what they are and why they might prevent a treatment.
- Create a collage of a type of hairstyle that interests you. This may be hairstyles from a certain era, for a certain type of hair or for a type of occasion. Make notes on your images, including why they appeal to you.
- Draw and annotate 3 or 4 sketches to demonstrate hairstyles that would be suitable for bridal hair. Consider different hair lengths, textures and clients.

Beauty:

- Check to see if your college has set you any tasks.
- Research 5 conditions that might prevent a manicure treatment. These might include fungal infections, viral infections or bacterial infections.
- Create a collage of nail art designs that appeal to you, with a brief description of why you like each design.
- Create up to five original nail designs. Annotate these with notes to explain what technique you might need to use to achieve the design.




Health and Social Care (provided by Luton Education Service)

- Choose a professional from the following:
 - Midwife
 - Paramedic
 - Paediatric nurse
 - Nutritionist
 - Physiotherapist
 - Another role of your choice
 - Create a fact file for your chosen job role. You could include:
 - A day in the life of
 - General roles and responsibilities
 - Routes into the role/ qualifications required
 - Skills & qualities
 - Average pay
 - Where they work
 - Who they work with
 - Anything else you think may be suitable

History

- *Either:*
 - Research a conflict that interests you. It can be a global conflict, a local conflict or a civil war. Research the origins, significant events, resolution and aftermath of the conflict. You should try to consider the political, geographical and social impact of the conflict.
- *Or:*
 - Choose an area of social history that interests you e.g. education, health, crime and punishment. Create a detailed timeline that tracks the development of your chosen area over at least one-hundred years. You should include notes on key developments, key figures and consequences.




Hospitality and catering (adapted from Shaftesbury School)

- Choose three or four countries from around the world, making sure they are in different geographical locations.
- Write an introduction about the typical food in each country, exploring how it is affected by:
 - Geography and climate
 - Historical context
 - Specialist or traditional dishes
 - Specialist equipment required for traditional dishes
- You may find it useful to watch food documentary and television programmes linked to your chosen countries.
- Choose one country and develop the recipe of a dish based on one of the traditional foods, which may involve the specialist equipment. You can include elements of other food cultures to develop a 'fusion' dish. There is no requirement to prepare or cook the dish.

Information Technology (IT) (developed by Shaftesbury School)

- Produce a word processed report about social media use that includes:
 - The names of a range of social media platforms with information about when, where, why they were launched
 - Data and analysis about the use of social media:
 - most used platforms
 - differences across different countries
 - differences across age groups
 - Benefits and limitations of social media use for
 - (a) individuals
 - (b) business organisations
 - A bibliography (a list of the websites and other sources you used)
- Produce a document that explores the idea of the 'digital divide'.
 - What does it mean?
 - Who does it affect?
 - What are the implications?
 - How can it be minimised?




Law (developed by William Hulme Grammar School)

- Research the role of judges and the judiciary within England. Record your findings in a form that is helpful to you e.g. notes, spider diagram.
- Look at the role of the Supreme Court in a recent case e.g. no fault divorce (Owen vs. Owen, 2018), assisted dying (Noel Conway 1994) or the prorogation of Parliament (Miller vs. Johnson 2019). Explain briefly why you think the judgements were right or not.
- Investigate a new law that has been introduced. Make notes on why the law was required, what it means and the possible consequences of the law. Record your notes in a form that is helpful to you.

Mathematics (developed by King Edward VI Community College)

- Visit the King Edward VI Community College webpage:
<https://www.kingedwardvi.devon.sch.uk/page/?title=Sixth+Form+Admissions+and+Induction+Tasks&pid=47>
- Have a go at the Maths Bridging Assignment:
<https://www.kingedwardvi.devon.sch.uk/attachments/download.asp?file=2441&type=pdf>
- Remember, the aim is to demonstrate your mathematical skills and thinking. Although you should try and reach the correct answer, your processes and methods are just as important and will demonstrate your thinking.
- You can check your answers by using the link on the College's webpage.




Media Studies (adapted from Sawtry Sixth Form College)

- Find a definition for these terms which are linked to media:
 - Stereotypes
 - Representation
 - Denotation
 - Connotation
 - Genre
- Find between two and five examples of print based advertisements or posters (e.g. film posters). You can find them online, but they should ideally be still images not moving advertisements or trailers.
- Use your chosen media items to answer this question: What do your chosen media texts tell you about representation in the media? You might want to consider how different groups e.g. gender, ethnicities, ages are represented.
- You can write your answer as an essay (around 300 words) or through detailed annotations of your chosen texts.

Motor vehicle maintenance

- Check to see if your college has provided you with a task.
- *Either:*
 - Research the tools and equipment a motor vehicle mechanic might need as a 'basic' kit.
 - You can collate this information as a collage, notes, PowerPoint, drawing or through another method.
- *Or:*
 - Think of your favourite brand of vehicle (which can include motorbikes, supercars or HGVs).
 - Research the history and development of the brand, tracking how their vehicles have changed over time.
 - You might also consider how they are planning to develop vehicles in the future.
 - You can present this information in any way that interests you e.g. collage, PowerPoint, annotated drawings, timeline.




Music, including performance (adapted from King Edward VI Community College)

- Create a music listening diary for at least fifteen days (they do not have to be consecutive days).
- Try to listen to a wide variety of genres, which might include:
 - Classical Indian music
 - Punk
 - Gregorian chant
 - A great composer
 - Reggae
 - Chinese opera
 - Northern Soul
 - Jazz (including world jazz)
 - Afrobeat
- In your diary, include information on the genre, artist and title.
- Make notes on the musical detail (dynamics, melody, rhythm, tempo, time signature, texture, tonality, harmony, instrumental use) and describe it in detail.

Music Technology (adapted from St Mary Recliffe and Temple Sixth Form)

- Select a song or piece of music you like (as you will need to listen to it repeatedly)
- Listen to your chosen song on at least three devices, such as:
 - Computer
 - Tablet
 - Through headphones
 - Phone
 - Hi-fi
- Make notes on the following areas, each time you listen:
 - Balance
 - Panning
 - Frequency
 - Dimension
 - Dynamics
- Evaluate which method gave the best listener experience and why



Philosophy

- See the second task in Religious Education

Photography (adapted from The Queens' School, Hertfordshire)

- Explore the theme of contrast. This might be in:
 - nature
 - architecture
 - interior/exterior
 - shapes and texture
 - light/dark
 - old/new
- If you are able, take at least ten photographs linked to your theme. You can use your phone if this is the only camera you have.
- Once you have taken your photos, annotate them to explain your approach and observations.
- If photographing outside, remember to follow rules about social distancing.

Physical Education/Sport (adapted from Urmston Grammar School)

- Design a training programme for either a marathon runner, cricketer, gymnast or shot putter.
- You should include:
 - The components of fitness required to improve.
 - Reasons for and limitations of fitness testing.
 - Measuring the components of fitness required.
 - Types of training.
 - Considerations to prevent injury.
 - Reasons for warming up and cooling down.
- Produce a report where you explain the effects of six weeks' training using your programme. Consider the following areas:
 - The muscular system
 - The respiratory system
 - The cardiovascular system.



Physics (adapted from Clitheroe Grammar School)


- Create a glossary of the terms, SI units and Greek letters you have used in your previous studies.
- Research one of the following topic areas and produce an A4 document detailing your findings:
 - Particle physics
 - The scale of the solar system
 - Alternative energy sources

Politics (adapted from King's Norton Girls School)

- Compile a report on the impact of the 2016 EU referendum on politics in the UK. Use the internet, broadsheet newspapers and any other source of information to help with your research.
- Include some of the following aspects of politics in the UK:
 - Democracy
 - Social cohesion
 - Voting behaviour
 - Impact on political parties
 - Leadership
 - Parliament
 - Legal challenges and implications
- Try to include arguments and counter-arguments about each aspect.

Psychology (adapted from Wadham School)

- Produce a text, which may be a leaflet, PowerPoint or poster, exploring the role of sleep and its impact on the mind.
- You may wish to consider:
 - the neurobiological basis of sleep control
 - the impact of sleep deprivation and/or jet lag
 - the impact of substances e.g. alcohol, caffeine and nicotine on sleep
 - the impact of technology use on sleep
 - the function of dreams




Religious Studies including Philosophy and Ethics (adapted from William Hulme Grammar School)

- Research a religion that is not your own (if you have one). Investigate the some of the following areas of the religion:
 - Central beliefs
 - Deities
 - Religious teachings/scriptures
 - Religious artefacts
 - Views on the afterlife (where applicable)
 - Rites of passage, celebrations and rituals
 - Views on moral issues
- Using a range of sources, make brief notes on the following philosophers and their key beliefs:
 - Plato
 - Aristotle
 - Immanuel Kant
 - Rene Descartes
 - St Augustine
 - Epicurus

Sociology (adapted from Urmston Grammar School)

- Research and produce an answer to this question: what makes us human?
- You may wish to consider some of the following areas:
 - Nature vs. nurture
 - Isolation and community
 - Socialisation
 - Instincts
 - Intelligence
 - criminal behaviour
 - gendered behaviours
- You can produce your answer in any format but it should be around 500 words.



Spanish (adapted from King Edward VI Community College)

- Produce an A4 or A3 poster that introduces Spanish grammar – you should include the tenses you have studied, plus other areas including pronouns, gender and adjectives. Try to present this in a creative way.
- Research an area of Spanish culture that interests you and produce a brief report (in English or Spanish). Your report could be on, for example:
 - A region of Spain
 - A period of Spanish history
 - A Spanish speaking author
 - A Spanish language film director
 - Latin American history
 - A Spanish speaking artist (including actors, musicians, painters)
- Try to watch an age-appropriate Spanish film or television programme. You can use the subtitles.

Textiles/Fashion Design (adapted from St Aidan's High School)

- Research the basic elements of fashion construction and present your findings in an interesting way e.g. PowerPoint, collage, sketch-book.
 - Types of seam
 - Types of edge finish
 - Methods of shaping garments e.g. darts
 - Types of embellishment
- Create a mood board to reflect an area of fashion that interests you. It can contain images, drawings, diagrams and notes. Areas might include:
 - Tailoring
 - Occasion wear e.g. proms, weddings
 - Loungewear
 - Fashion linked to a specific culture or era
 - Millinery
 - Accessories
 - Upcycled and or ethical fashion



Travel and Tourism (adapted from Shaftesbury School)

- If you have access to the internet, research a tourist destination. Ideally, this should be somewhere you have **not** visited. Consider the following elements:
 - Transport both to and within the destination
 - Types of accommodation including costs and standards
 - Accessibility
 - Food
 - Value for money
 - Activities
- You can present your information in a format that interests you e.g. poster, brochure, design for a webpage.
- The tourism industry is constantly evolving. Explore one of the following areas and its impact on travel and tourism. You may also wish to explore how your chosen area has been affected by the Covid-19 (coronavirus) crisis.
 - Accessible tourism (e.g. for disabled travellers)
 - Eco-tourism
 - Food tourism
 - Wellness tourism
 - Religious tourism
 - Air BnB and similar approaches to accommodation
 - Flashpacking
 - Sustainable/responsible tourism