



Brockenhurst College



Getting prepared for your
VOCATIONAL
course at Brockenhurst College

Please look at the information below and make sure you use it to prepare for the start of your course at Brock. Remember, further education is a big step up, but we are here to give you a flying start.

ART AND DESIGN L2 (PHOTOGRAPHY)

- Take ten photos using the following headings for inspirations: sunrise, self-portrait, wildlife, abstract, shadows, foreground/midground/background, rule of thirds, path/road/river, low depth of field, high depth of field.
- You should submit your photos as a printed A4 page with the title 'Ten photo challenge'.
- Each image should be labelled with the heading related to it and have a brief explanation of how you believe it fits the heading.

ART AND DESIGN L3 (PHOTOGRAPHY)

- Take ten photos using the following headings for inspirations: sunrise, self-portrait, wildlife, abstract, shadows, foreground/midground/background, rule of thirds, path/road/river, low depth of field, high depth of field.
- You should submit your photos as a printed A4 page with the title 'Ten photo challenge'.
- Each image should be labelled with the heading related to it and have a brief explanation of how you believe it fits the heading.

ART AND DESIGN L2

- Research an art movement of your choice.
- Pick your favourite artist and piece of work and make notes about the piece.
- Print your notes and a copy of the piece of work ready to bring into College when you start in September so we can place it in an art history timeline.

ART AND DESIGN L3

- Complete a tonal pencil study based on an object found at the beach.
- On the back, in pencil, write a comment that reflects on the strengths of your work.
- On the back, in pencil, write a comment about how you would improve your work.

BEAUTY

- List the qualities of a good beauty/complementary therapist. You can write these down and/or use a picture and labels. Think of as many positive characteristics as you can... How would you expect them to be presented? How would you, as a customer, expect to be greeted? What type of temperament, attitude and behaviour should they exhibit?
- Look at the beauty and complementary therapy industry in detail and research the career opportunities that exist. On investigation, you should realise quickly that the list is extensive.
- Examine your local area and research online three different businesses. They could be salons, spas, nail bars, recreational centres or hairdressers. Write a short paragraph about the location and describe what each business has to offer, outlining your first impressions. Would you like to work there? If so, why? If not, why not?

BUSINESS L3 ED

- Research three types of employment contracts and summarise them in your notebook (e.g. zero-hour contract).
- Find and describe a vacancy that reflects each of the contract types you have found (in total you will have found three vacancies).
- Choose one of the employers and research their type of business. You may wish to outline what the employer does, their size, their organisational structure and location.

CARPENTRY

Research the difference between 'bench joinery' and 'site carpentry'. Also, research the difference between 'hardwood' and 'softwood'.

CHILDREN'S PLAY, LEARNING AND DEVELOPMENT L3

- Read Page 3 of Development Matters in the Early Years Foundation Stage (2012), link below: <https://foundationyears.org.uk/files/2012/03/Development-Matters-FINAL-PRINT-AMENDED.pdf>
- Reflect upon your skills in supporting children's learning and development. Make some notes ready to discuss in class when you start in September.
- Research your prospective profession. For example, educator, teacher, social worker, and produce a mind-map with all the qualities, skills and characteristics you think you need to be successful.
- Find an Early Years theorist and choose a quote to share with the class along with the reason for your choice.

ELECTRICAL INSTALLATIONS L2

Mathematical principles:

- How to calculate areas of surfaces (squares, rectangles, circles and triangles).
- How to calculate volumes (of rooms and cylinders etc.).
- How to calculate the circumference of a circle.
- How to work with squares and square roots.
- How to transpose formulae (basic formulae).
- How to undertake calculations for sine, cosine and tangent.
- How to undertake calculations for Pythagoras.
- How to convert between metres, centimetres and millimetres (for lengths, areas and volumes).

Ohm's Law:

- Understand the Ohm's Law formula (the relationship between, voltage, current and resistance in a basic DC circuit).
- Research how to undertake calculations for voltage, current & resistance in basic DC circuits.

ENGINEERING L3 ED

- Write a 250-300 word description of what interests you most about engineering.
- Take a simple product at home consisting of at least three parts – e.g. a torch, ball-point pen, or a child's toy.
NOTE: Be careful that the product doesn't carry live electricity or include sharp components. On a single A4 page sketch an exploded diagram and add lots of annotations to explain how the product works or is assembled.
- Keep your Maths skills primed. Continue doing GCSE Maths questions/papers – especially questions on:
 1. Adding, subtracting, multiplying and dividing fractions.
 2. Using the rules of indices.
 3. Factorising and multiplying out brackets (FOIL).
 4. Quadratic equations.
 5. Simultaneous equations.
 6. Straight-line equations ($y=mx+c$).
 7. Calculating areas and volumes.
 8. Pythagoras & Trigonometry – for right-angled triangles.
 9. Sine Rule and Cosine Rule – for non-right-angled triangles.
 10. Plotting graphs.
- You will be completing work experience during the year... Start to investigate companies in your area using tools such as Google Maps and Yell and make a list of potential work experience opportunities that interest you. Once you start your course, you will be given instructions about how to contact possible work experience providers, plus the dates and times you will be available.

HEALTH AND SOCIAL CARE L2

- Read this information on the six Cs and reflect on your qualities for aspiring to work in the health sector: <https://www.skillsforcare.org.uk/Documents/Standards-legislation/6Cs/6Cs-in-social-care-guide.pdf>
- Make some notes for discussion in class.

HEALTH AND SOCIAL CARE L3 EXTENDED DIPLOMA

- Read this information on the six Cs and reflect on your qualities for aspiring to work in the health sector: <https://www.skillsforcare.org.uk/Documents/Standards-legislation/6Cs/6Cs-in-social-care-guide.pdf>
- Make some notes for discussion in class.
- Research your prospective profession.
- For example, paramedic, nurse, midwife and produce a mind-map with all the qualities, skills and characteristics you think you need to be successful.
- Read the article in the link below and evaluate/identify two strengths and two weakness and form an opinion. <https://www.nutrition.org.uk/nutritioninthenews/wartimefood/warnutrition.html>

HEALTH, FITNESS AND EXERCISE INSTRUCTION L2

- Research nutritional differences between a wholefood diet and plant-based diet.
- Discuss the differences between a child's circuit session and an adult's circuit session regarding warm-up activities, circuit activities and what adults can do that children cannot.
- Identify the muscles used in cycling, cross fit (burpee to push up), and bench press.

INFORMATION TECHNOLOGY L3 ED

- Create an account at Sololearn and complete the first few topics on C#: <https://www.sololearn.com/Course/CSharp/>
- Use W3Schools to learn some HTML and CSS: <https://www.w3schools.com/>
- Research and report the psychological impact of computer games on society (500 words).

MARINE TECHNOLOGIES

Research three manufacturers of either sailing yachts or motorboats (whichever is your favourite) and research the size and manufacturer of the engines aboard.

MEDIA L2 DIP

Discuss a recent film you have seen and discuss the pros and cons of it: what you liked and what you didn't like and why.

- Choose a key online content creator/influencer/filmmaker that you follow and who inspires you and discuss what it is about their style that you like.
- Film yourself discussing the points above on a 30-60 second video and upload it to Instagram or YouTube.

MEDIA L3 ED

- Research media forms that you would like to replicate (i.e. Vlog, film, TV, tutorial).
- Film a 60 second product of your choice (i.e. Vlog, Film sequence, TV introduction, tutorial).
- Upload to Instagram/YouTube and/or other platform.

MUSIC L3 ED

- Choose a popular song of any style or period. Write a short description on one side of A4 discussing how the song is structured and how its musical elements relate to its style and genre.
- Read and then summarise the following article at <https://www.thecavanproject.com/top-10-band-rehearsal-tips/>
- Make sure you are familiar with the following three scales on either your first instrument or keyboard if you are a singer or drummer:
 - C Mixolydian (C- D- E- F- G- A- Bb- C)
 - C Minor Pentatonic (C- Eb- F- F#- G- Bb- C)
 - D Dorian Minor (D- E- F- G- A- B- C- D)

PERFORMING ARTS L3 ED

- Write a list of as many performance styles and genres you can think of with a one-line definition of the style or genre.
- Research five performers who use the Stanislavski method and discuss the strengths and challenges of the technique.
- Discuss a character from a play that you feel would be an excellent casting for yourself and be prepared to discuss why.

PRE-CADETSHIP

- On your course you will be undertaking a Pre-cadetship Enrichment visit to a cruise ship, including a visit to the bridge and engine room.
- In preparation, please research the length, breadth, and displacement (weight) of the Arcadia.
- See [https://en.wikipedia.org/wiki/MV_Arcadia_\(2004\)](https://en.wikipedia.org/wiki/MV_Arcadia_(2004)) in preparation for the educational visit.

PUBLIC SERVICES L3

- Research your local MP:
 - Their Name
 - Political party
 - Main Priorities
- Find out the Equality and Diversity Policy of your Preferred Public Service and comment on its inclusivity for:
 - Gender
 - Religion
 - Sexuality
- Research three MAJOR CRIMES committed in the last three months, stating the Public Service response and any outcomes that have occurred.
- Investigate how each Uniformed Service has been used throughout the COVID-19 emergency.
- Listen to The Today Programme on Radio 4.
- Watch The Andrew Marr Show on BBC 1 on a Sunday morning.

SOUND, LIGHT AND STAGE L2

- List three jobs in a theatre. Describe the functions of each one in a short paragraph.
- Find a picture of a performance in any venue with interesting lighting and describe why you like it.
- Give an example of a special effect in a show and describe how you think it adds to the performance.

SPORT AND EXERCISE SCIENCE L3 ED

- Research the benefits and limitations of circuit training for a triathlete.
- Log a two-week food diary and identify strengths and weaknesses of your diet and the impact of this on your sporting performance.
- Build a case study of three highly regarded coaches and discuss why they are so effective.

SPORT LEVEL 2 DIPLOMA

- Research the benefits and limitations of circuit training for a triathlete.
- Log a two-week food diary and identify strengths and weaknesses of your diet and the impact of this on your sporting performance.
- Build a case study of three highly regarded coaches and discuss why they are so effective.

SPORTS PERFORMANCE AND EXCELLENCE L3 ED

- Research the benefits and limitations of circuit training for a triathlete.
- Log a two-week food diary and identify strengths and weaknesses of your diet and the impact of this on your sporting performance.
- Build a case study of three highly regarded coaches and discuss why they are so effective.

TRAVEL AND TOURISM L3

- **Travel and tourism in the news:** Describe a news article (either from newspapers or online news). Give a heading for your news story and write a brief description that summarises the article. Explain how the news event has impacted on the travel and tourism industry, and whether it is positive or negative.
- **A career in travel and tourism:** Find a job in the travel and tourism industry that interests you. Find out the entry requirements and main functions of the role.
- **Organisations in travel and tourism:** Choose a specific organisation. This could be in transport, accommodation, a visitor attraction, a travel agent, tourist information, or a tour operator. Write a description of the main roles of the organisation and products and services that they offer. Please bring this with you on induction day.

Brockenhurst College

Lyndhurst Road ■ Brockenhurst ■ Hampshire ■ SO42 7ZE
T: 01590 625555 ■ E: enquiries@brock.ac.uk ■ www.brock.ac.uk

