



Summer Preparation Work

Welcome to the Faculty of Professional Skills and Performance. We are proud of our reputation for providing high quality education and achieving excellent results. Wilberforce College aims to transform the lives of students from a wide range of backgrounds by providing an education that enables you to become creative and confident contributors to society and as a faculty, we ensure that our students complete their qualifications with the skills and knowledge needed to make a real difference to our community.

In order to be successful on your chosen course, it is essential that you regularly conduct independent research and preparatory work to enhance your understanding of the taught topics. Preparatory work not only reinforces classroom learning but also helps to foster lifelong learning and study habits and provides an opportunity for you to be responsible for your own learning. You are required to complete the preparatory work which is detailed below. The preparatory work is used to assess your level of commitment to this course.

Please be aware that prep work is an important aspect of your induction onto all courses at Wilberforce Sixth Form College. Please have this ready to hand in during enrolment or to your course teacher in the first week of lessons.

Kind regards

Stewart Edwards

Faculty Head for Professional Skills & Performance

Task 1 - Research

Using this link <https://www.audio-technica.com/cms/site/9904525cd25e0d8d/index.html> research two key types of microphone (Dynamic and Condenser).

During your research you should aim to find out the following information:

- What are the important qualities of each microphone (key terms include **frequency response**, **sensitivity** and **polar pattern**)
- When might you choose to use these kinds of microphones and why?
- Are there any limitations or situations these would not be suitable for?

Task 2 - Create

Using the information you have gathered, write a brief guide in your own words to using Dynamic and Condenser microphones. You can do this in word or PowerPoint, and you are welcome to include images if this will help with your explanations.

You could talk about what kind of instruments each type is best suited to, how you might use them during recording or live performances and anything you need to be careful of to avoid problems.

Task 3 - Questions

- Explain briefly in your own words what a microphone does:
- What does the polar pattern tell us about a microphone?
- Why have you chosen to study Music Technology and how do you think this will benefit you in the future?