Induction Task

Computer Science

Essential Information

Exam Board: AQA
Specification Code: 7517/D (Python)
Teachers: Mr. Cosby, Mr. Dearman, Dr. Smitheman

Tasks to be completed:

PART A - research, analyse and report on the implications of generative A.I.

A starting point here

Write a short report (approximately 500 words) that answers:

1. **What are the legal implications of generative A.I. ?**
   a. **impacts on the Data Protection Act**
   b. **impacts on the Copyright Design and patents act**

2. **What are the implications of generative A.I. in the following industries**
   a. **creative industries**
   b. **tech industries**
   c. **education industries**

3. **What is the differences between *General* Artificial Intelligence and *Generative* Artificial intelligence?**
   a. **What are the limitations of Generative A.I. ?**
   b. **What are the possibilities of General A.I.?**

PART B - Python Programming exercises

- **Finish the exercises from the induction lesson**

- **Attempt three+ Codewars exercises**

Google classroom code: zxbuhf5m / Link to exercises

What you will need to submit:

- Written report (500 words)
- Programming work - share on classroom / shared document

What else could I do to prepare?

Read

- Issac Computer Science
- Think like a computer scientist
- Wiki-books A-Level computer science
- The Register

Watch

- Craig and Dave video playlist
- Top 20 TED talks for Computer Scientists
- MIT - Introduction to Computer Science and programming

Listen

- Tech life podcast
- Computerphile

All tasks to handed in during the first lesson of a subject in September