Progression Routes (CEAIG)

CEAIG opportunities are specifically identified on mid-term plan for each unit; teaching staff incorporate these opportunities into lesson discussions and tasks.

Further study
Students studying GCSE Computer Science at Acklam Grange School have many opportunities to go on and enhance their studies further:

KS5:
- **Middlesbrough College** - A Levels – Computer Science. Games Development L3 Technical Diploma, Games, Animation and VFX Skills L3 Extended Diploma, Application and Web Development L3, Information Technology L3, Networking and Security, T Level Technical Qualification in Digital Production Design and Development L3
- **Prior Pursglove Sixth Form** - A Levels – Computer Science, Cambridge TEC IT L3
- **Stockton Sixth Form** - A Levels – Computer Science BTEC Information Technology L3
- **Macmillan** - A Level Computing, BTEC ICT L3 Extended Certificate
- **Conyers Sixth Form** – A Levels – Computer Science, BTEC Information Technology L3
- **Redcar and Cleveland College** – OCR diploma Digital Application Developer L3
- **Stockton Riverside College** – A Levels – Computer Science, National Extended Diploma in IT L3, National Extended Certificate in IT L3

Higher Education:
- **Middlesbrough College** BA(Hons) Games Design, Foundation Degree Games Design, BSc(Hons) Computing, Foundation Degree Computing
- **Stockton Riverside College** HNC Computing and Systems Development
- **University of Cumbria** – BA(Hons) Games Design
- **Durham University** BSc(Hons) Computer Science
- **Newcastle University** BSc(Hons) Computer Science, BSc(Hons) Computer Science (Game Engineering), BSc(Hons) Computer Science (Software Engineering), BSc(Hons) Computer Science (Security and Resilience)
- **University of Leeds** – BSc(Hons) Computer Science, BSc Computer Science (Digital & Technology Solutions), BSc(Hons) Computer Science with Artificial Intelligence
- **University of Sunderland** BSc(Hons) Computing Education with QTS, BSc(Hons) Computer Science, BSc(Hons) Cybersecurity and Digital Forensics, BSc(Hons) Game Development, BSc(Hons) Networks and Cybersecurity, BSc(Hons) Web and Mobile Development
- **Teesside University** BSc(Hons) Computing, BSc(Hons) Computer and Digital Forensics, BA(Hons) Computer Animation, BA(Hons) Computer Character Animation, BA(Hons) Computer Games Art, BA(Hons) Computer Games Design, BSc(Hons) Computer Games Programming, BSc(Hons) Computer Science, BsC(Hons) Information Technology, BA(Hons) 2D Animation and Stop Motion, BSc(Hons) Artificial Intelligence, BSc(Hons) Cybersecurity and Networks
- **University of York** BSc(Hons) Computer Science, BSc(Hons) Computer Science with Artificial Intelligence, BSc(Hons) Computer Science with Cyber Security, BSc(Hons) Interactive Media

Apprenticeship Providers

Students studying Digital Technology at Acklam Grange School have the following opportunities to follow an apprenticeship programme post-16:

- **Stockton Riverside College** – offer a range of apprenticeships including IT Application Specialist, IT, Software, Web and Telecoms Apprenticeship
- **Northern Skills Group** – offer a range of apprenticeships including Infrastructure Technician Apprenticeship, Apprentice IT Systems Analyst, IT Apprentice, Content Producer Apprentice
- **ITEC North East** – offer a range of apprenticeships including Software Developer Apprentice, Network Engineer Apprentice, Digital Marketer Apprentice, Infrastructure Technician Apprentice

Potential Careers

IT project and programme managers £51,500

Programmers and Software Developers £38,200

IT business analysts, IT architects and systems designers £37,400

Telecommunications Engineers £30,000

IT user support technicians £26,800

Web Designers/Developers £26,500

Marketing Associate Professionals £20,100

Salaries are average estimates on UK based jobs.

The Local Labour Market

Labour market intelligence from 2019 shows the digital sector is a growing key sector in Middlesbrough with over 6,000 people currently employed. There are over 2,500 extra digital sector jobs predicted in the Tees Valley area between now and 2024. Employers are looking to recruit the next generation of computing talent to grow their workforce. Computing skills are vital for Britain's economic future. The Tees Valley is a hotbed for digital technology innovation, with a super cluster emerging in Middlesbrough. There are over 7,000 jobs available across Teesside's thriving tech scene, with the average salary for an IT Business Analyst and System Designer being £44,867. A qualification based in digital technology would support students to accessing these vacancies as it would give students an understanding of the skills they would likely be looking for in their workforce. The most requested specialist skills in the digital labour market in Middlesbrough 2018 were analytical thinking, problem solving, communication and creative thinking. A GCSE Computer Science qualification will provide students with a grounding of these skills to enable them to continue to develop them as they get older.