

## Careers in STEM: Technology

### Computer games programmer

Computer games programmers use their expert coding knowledge to convert games designs into games for a range of devices, from games consoles to phone apps.

Job roles within computer games programming will vary on the type of game and size of the company. Large games companies will hire a wide number of programmers to work on specific game elements, however smaller companies may require a programmer to be involved in games conception and design as well as programming.

Computer games programmers focus on producing high quality code using programming languages, review code they have written to ensure quality and solve complex technical problems within the games production. They need to work closely with designers to ensure they create the game to the brief and work closely with other members of the programming team to create a consistent end product.

Useful skills for Computer games programmers are:

- A creative and imaginative personality
- Excellent IT skills and technical ability
- Attention to detail and problem solving
- Ability to work as part of a team

Computer games programmers will have a good background in mathematics and IT, and will generally study computer games design and programming at university. It is also important to gain relevant work experience alongside study, which is often an option in many degree level courses, and helps to build a portfolio of work and create contacts in the industry.

Visit the following websites for more information about futures in computer games programming:

<https://www.prospects.ac.uk/job-profiles/games-developer>

<https://nationalcareersservice.direct.gov.uk/job-profiles/computer-games-developer>

