



Careers in STEM: Mathematics

Research scientist (maths)

Research mathematicians work to apply their expert knowledge of mathematics for a range of commercial and academic purposes. The work of a research mathematician will be varied depending on the area of maths they are working on, but will include elements of pure and applied maths, including algebra, geometry and mathematical biology. Research mathematicians will work to develop new theories and identify trends in data.

Research scientists work in a range of settings where mathematics is used to understand data or in research and development, but will mainly be within the industrial sector, government departments and academic institutions.

Useful skills for research scientists working in mathematics are:

- strong mathematics interest
- the ability to analyse and interpret data
- complex problem solving skills
- excellent oral and written communication skills

Research scientists will have a good honours degree in a relevant subject that has significant mathematical content, such as mathematics and physics. It is likely that most people working as a research scientist will be working towards a postgraduate research qualification, such as a PhD.

Visit the following websites for more information about futures in research science:

<https://www.prospects.ac.uk/job-profiles/research-scientist-maths>

<https://www.allaboutcareers.com/careers/job-profile/research-scientist-maths>