

# MATHS AT WORK!

## SPECSAVERS CO. CARLOW



**My relationship with Maths wasn't the best in school until after I learned how important it is in all jobs. Seeing the applications of Maths in real life situations made it much easier for me.**

My job is to help people to choose frames and lenses based on what information the optometrist gives to me. Maths is a big part of my job as all prescriptions are numbers, for example when making up reading glasses we have to add the reading prescriptions on to the regular prescription to get the prescription that's necessary for the patient.

**Charis Kane** - Optical Assistant

## MARINE INSTITUTE CO. GALWAY



**I fell in love with Maths when I realised it was more than reciting tables.**

I am a fisheries scientist, I estimate how many fish are in the sea, predict how many we will have next year, and advise fishermen and policy makers on how to best use this resource. Maths provides a common language to communicate our understanding of the world around us, to question and describe what we see and need, and to develop creative solutions.

**Claire Moore** - Team Leader in Demersal Fisheries

## MET ÉIREANN DUBLIN



**Maths is essential to my job and I've been passionate about it since school.**

I'm a weather forecaster in Met Éireann and my job is to work out the most likely weather we can expect. It's fascinating how from complex equations we can help protect people from extreme weather. I use Numerical Weather Prediction models. These take in millions of observations and use complex equations to calculate what the atmosphere will be in the future. As there are always uncertainties, I use probabilities to categorise possible futures.

**Andrew Doran-Sherlock** - Meteorologist

## MTU CORK SCHOOL OF MUSIC



**I am a percussionist. I play any instruments that you have to hit to make a noise. Sometimes I have to make my own instruments to create the sounds that various composers and directors ask for. Having a good intuition for Maths, numbers and patterns in general, has been really useful in working out how these things work.**

I always enjoyed finding patterns in things, whether that's music, nature, machinery, or anything really. Once you start to recognise patterns in things and how Maths can help with that, you won't stop!

**Alex Petcu-Colan** - Percussionist, Freelance Musician and Lecturer

## ACORN LIFE DAC CO. GALWAY



**As a Trainee Actuary in the life insurance industry, I use forecasting, Maths and statistics to evaluate the probability of events, to develop new and improve our existing Protection, Savings, Pensions and Investments plans. I also apply these skills to provide quotes for various scenarios, ensuring each policyholder's needs are met and giving them peace of mind about the future.**

Maths is the cornerstone of my career. What felt like a struggle in school has become a powerful tool for solving problems and making impactful decisions. My early struggles with Maths turned into strengths, teaching me resilience and problem-solving skills. Embrace Maths, it can be the key to unlocking your potential and open doors to new opportunities.

**Ashleigh Hyland** - Trainee Actuary

## MSD BALLYDINE CO. TIPPERARY



**Maths is crucial in our modern world, playing a central role in various aspects of society. From creating artificial intelligence to developing video games, Maths is the key that makes so many things possible.**

As a chemical engineer, I provide technical process support to the manufacture of medicines which are supplied to patients globally. Whether I'm performing statistical analyses to monitor process performance, analysing manufacturing data to solve problems or calculating raw material quantity requirements, Maths is central to my work. Maths extends beyond equations; it develops problem-solving abilities and logical thinking, invaluable in any career.

**Joe Sheehan** - Chemical Engineer

