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**Maths into Finance 2017**  
**Edinburgh**

**Guidance Notes for Schools**

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## Maths into Finance: An Overview

### Background

*TechFest is a charitable organisation, based in Aberdeen, promoting and delivering Science, Technology, Engineering and Mathematics events to schools.*

**Maths into Finance** is a one day event designed and developed by TechFest to give S2 pupils an insight into how Mathematics can be applied to real-life situations. These events encourage students to engage with Industry Professionals and use the Maths they learn in school to solve problems tackled daily by these professionals and build financial skills for life.

Maths into Finance builds on TechFest's successful programme Maths in the Pipeline with a new theme, the Financial Services Industry. We aim to establish a strong platform for careers and life skills for Secondary School aged pupils across Scotland. Within our schools there is a need to support Maths teachers with practical applications and cross curricular learning. The aim for Scotland's young people is to mature into a financially literate society and programmes such as Maths into Finance support their financial education as well as offering a greater understanding of the career options available within one of Scotland's largest industries.

TechFest has a long track record of delivering events to schools across Scotland and used the opportunity of working with Aberdeen Considine to deliver this programme in the areas that Aberdeen Considine operates, giving this programme significant geographic reach in 2016 and 2017.

Utilising our network of teachers that support our expertise of the curriculum alongside the financial division of Aberdeen Considine to act as advisors, TechFest has designed, developed and will deliver a one-day practical application of maths in the financial services industry.

This programme provides the additional opportunity for Aberdeen Considine staff to work alongside TechFest in the delivery of these events across Scotland, meeting students as Industry Professionals at each of the events, with additional options to deliver the workshops and judge the final business challenge.

### What happens at Maths into Finance?

Workshops have been designed to encourage teamwork and introduce the pupils to mathematical modelling.

The day starts with an ice breaker challenge, identifying the difference between wanting and needing, an important part of personal money management. The remainder of the workshops have been designed to establish important links to learning with real data being used throughout to add authenticity.

The afternoon Business Challenge is the highlight of the day and time to test skills established and developed throughout the sessions held before lunch. With a deadline to meet and critical choices to be made this problem requires accuracy and teamwork. Each team is called upon to give a five minute presentation of their solution with all team members taking part.

## Outcomes

Pupils and teachers enjoy seeing the practical side of Maths. They learn new methods and see first-hand the value of Maths to the financial sector. They enjoy working alongside Industry Professionals and finding out about their jobs and career paths.

## Event Information

**Date:** Wednesday 11<sup>th</sup> October 2017

**Venue:** Edinburgh College, Sighthill Campus

**Times:** **Exact timings tbc.**  
*(The day will run approx.during schools hours)*

**Schools:** Places are offered to all schools in the area. Confirmation of your school's place will be sent shortly after the nomination closing date on Wednesday 27<sup>th</sup> September.

**A teacher from each school must be present at all times.**

**Pupils:** Keen and enthusiastic S2 Mathematicians.