

# MAXIMISING POTENTIAL THROUGH STUDY PROGRAMMES – ALIN

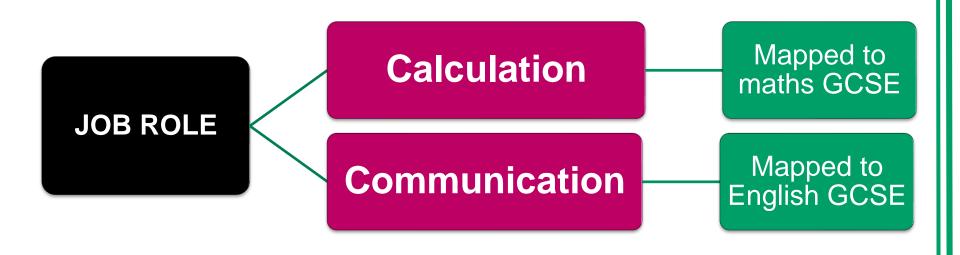
Now into its 4th year supporting providers in developing and managing 16-19 Study programmes to improve the quality and delivery.



## **CURRENT PICTURE AND AIM OF THE WEBINAR**

- The embedding of maths and English skills continues to be a challenge for some providers.
- The introduction of T Levels will present change in the sector.
- The aim of this webinar is to:
- Focus on the embedding of maths and English skills linked to the technical routes.
- Promote a range of resources that map maths and English skills to job roles providing contextualisation for learners and staff.

# **RE-ENERGISING MATHS AND ENGLISH**



# **CALCULATION**

Fractions

Geometry

Understand and use mathematical formula

Probability

Where can students practice these?

#### **CALCULATION SKILLS**

#### Take one of the calculation skills:

- What does this mean for your sector?
- How can a learner demonstrate this on work experience?
- Give some examples of what they can do.
- How important is this skill to their job?
- Why?
- How can this map to GCSE?





# Exploring Careers Through Technical Routes Travel Agent

#### The Industry

The travel industry is exciting! A travel agent helps customers plan and organise travel requirements to ensure they have the best trip, holiday or visit. They spend time consulting customers, suppliers and keeping updated with travel restrictions. They make bookings with travel companies including airlines, car hire companies, cruise lines, hotels, railways, travel insurance companies or packace holiday operators.

Travel agents can be offered discounts on travel. Some employers also allow staff to go on educational visits so they can experience products firsthand to improve personal knowledge of the holidays they are organising and selling.

When working in a high street travel agent shop staff ususally wear company uniforms to show the professionalism of their service. In a travel call centre dress is often more informal.

Association of British Travel Agents
were ablacom
Thomson Retail
www.bijsbask.co.uk/wars-sh-ks-travel/homeon-retail/apprentices

#### Skills and Requirements

Travel agents spend much of their time communicating with customers and suppliers. They need:

- Active listening skills, taking time to fully understand customer requirements or information from suppliers
   Excellent customer service skills with individual
- customers and groups
   Strong verbal communication skills with a good telephone manner
- The ability to cope with pressure at busy times
   Commercial awareness and effective sales skills to
- Commercial awareness and effective sales skills to persuade customers to make bookings
   Confident in the use of technology for using
- booking reservation systems or for producing customer itineraries Attention to detail for checking the accuracy of a
- Attention to detail for checking the accuracy of a customer's booking.

Travel knowledge is an important aspect of the job so it helps if you have a good knowledge of where places are in the world and/or have personal travel experience.

Travel and tourism is one of the UK economy's most vibrant, diverse and valuable industries, contributing a staggering £127 billion to GDP annually and sustaining over 3 million UK jobs. Source: Association of British Travel Agents

## TRAVEL AGENT



**Tasks** 

Calculation skills

Links to GCSE

**Progression routes** 





#### Exploring Careers Through **Technical** Routes

Working and Learning as a Travel Agent



#### Job Roles & Progression

#### Study Programme

Levels 2 and 3 Travel and Tourism



#### Further study

HND

Travel and Tourism. FdA Tourism Management. BA (Hons)

Tourism Management. Travel and Tourism. Tourism with Business



#### Calculation including problem solving

#### Tasks

- 1. Use a travel guide to estimate and calculate the elapsed flying time of a long haul flight.
- 2. Calculate the speed an aircraft will need to travel at to ensure landing on time.
- Calculate detailed costings for a customer's holiday using at least 2 different travel brochures.
- 4. Exchange currency for a customer from British Pounds to Furos
- Plot temperatures on a graph promoting Greece as a popular destination to show a customer the best month to travel.

#### Links to GCSE Maths

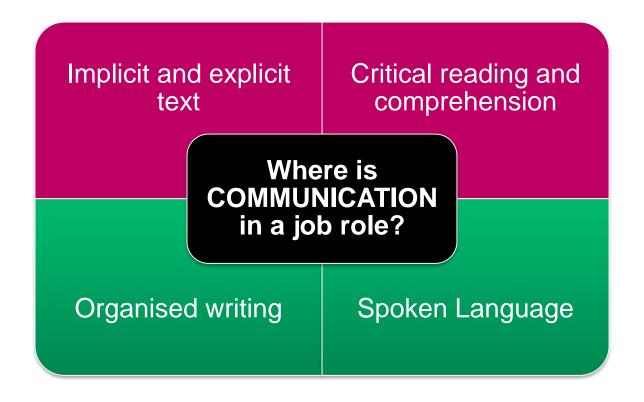
- Number (whole numbers addition. subtraction; approximation - estimating calculations).
- Geometry and measure (units of measure –
- Number (whole numbers addition. subtraction).

Geometry and measure (units of measure unit pricing).

- Number (whole numbers multiplication): decimals- converting between decimals).
- Algebra (graphs). Statistics (collecting data - types of data).

Communication, all forms

#### COMMUNICATION



# **COMMUNICATION SKILLS**

Take one of the communication skills:

- What does this mean for your sector?
- How can a learner demonstrate this on work experience?
- Give some examples of what they can do.
- Why does it matter that they need to be able to do this?
- What part of the English GCSE will they practice?









#### Communication, all forms

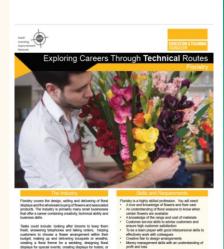
#### Tasks

- 1. Help a customer choose the most appropriate flowers for their occasion.
- 2. Produce a leaflet to advise customers on the after care of their plants and flowers.
- 3. Take orders for an anniversary party by telephone and arrange delivery.
- Discuss options for wreath flowers with a bereaved family.
- 5. Manage the emails, social channels and press releases to promote the business.

#### Links to GCSE English Language

- Spoken language (speaking and listening
   – audience and purpose, standard English,
   discussion skills; personal presence body
   language, eye contact).
- 2. **Writing** (writing non-fiction writing a guide, planning a structure, organising information paragraphs).
- 3. **Spoken language** (speaking and listening audience and purpose).
- 4. **Spoken language** (speaking audience and purpose, discussion skills; personal presence body language, eye contact).
- Writing (context, audience, purpose; writing non-fiction - social media).
   Spelling, punctuation and grammar (common spelling errors, punctuation).

# Floristry Level 3



\*Currently there are over 8,400 florist businesses employing nearly 17,000 people.

Over half of the income generated is comprised of people buying flowers for themselves.

## **TECHNICAL ROUTE FLYERS**



Over 55 produced promoting maths and English skills

All 15 technical routes with practical tasks in job roles

Links to GCSE maths and English

Links to new Functional Skills maths and English

## MAKING THE FLYERS RELEVANT

# Front page

- Appealing for students to read
- Recognisable for employers and industry specialists
- Relevant to the vocational sector
- Skills and attributes required
- Statistics
- Where they can get further information

# Reverse side

- Tasks they may do at work Calculation and Communication
- Mapping tasks to maths and English (GCSE or Functional Skills)
- An example progression route from their Study Programme

## **HOW CAN YOU USE THESE FLYERS?**

With students to show them about the sector, identify potential job roles, skills required and progression opportunities

Help them plan out their own career path

Create with students for specific job roles that they can do on work experience

Focus on the tasks they will complete and identify CALCULATION & COMMUNICATION

Employability skills

Log work activities and

skill development

How do these skills link to their GCSE or Functional Skills

- Calculation & Communication

# CREATE A TECHNICAL FLYER

- 1. Research current information on the sector
- Statistics
- Motivational and interesting facts
- Sources of information

- 4. Identify some

  Communication and

  Calculation tasks they could do
- Map these to maths skills and English skills
- Functional Skills or GCSE

#### 2. Skills and requirements

- What vocational skills are required?
- What employability skills and attributes are required?
- Any communication or calculation requirements?
- 3. Create a sample progression route
- How can a learner start?
- What can they do after their study programme?
- What aspirations can they have?

# SPECIFIC IMPACT OF THE PROJECTS AROUND CALCULATION AND COMMUNICATION

- "Maths and English will be rebranded as communication and calculation. Lessons will be called e.g. Communication in Business, Calculation in Business etc."
   Training 2000
- "Best practice in developing maths skills to improve the understanding of concepts and overcoming barriers to learning maths" Key Training
- "Review the delivery of English and maths in work experience in each vocational area and map work activities to ensure that learners have the best opportunity to develop their relevant skills" Myerscough College

# **ANIMATIONS – TO REACH A WIDER AUDIENCE**

- Promote communication and calculation in job roles.
- Limited to one and a half minutes for maximum impact.
- 15 completed.
- Click below to access the video
- Childcare



This resource has been created by ALIN to support the Education and Training Foundation (ETF) project 'Developing work placement that promotes maths and English skills' For further resources go to http://www.et-foundation.co.uk



## OCCUPATIONAL ROUTE FLYERS





# Exploring Careers Through Occupational Routes Barber

#### The Industry

A barber specialises in male hair grooming. This includes cutting, colouring, trimming and shaving of beards and moustaches. They need to be skilled in cutting men's hair and familiar with techniques such as clipper work, scissorsover-comb and hot lather shaving with a straight blade.

Turkish barbering has become increasingly popular as they also doemassage, waxing of the nose and burning of fin hai is.

Being a barber is a fun and creative career and the number of jobs is constantly increasing.

Where can you get more information?

British Barbers Association

http://britishbarbers.com/about-us

#### Skills and Requirements

Barbering today is about men becoming more image conscious so you need to be creative and enjoy meeting people.

You will also need to have:

- · Good presentation and personal hygiene
- Good conversation skills to build customer relationships
- Knowledge of past and current hairstyles and trends
- · The ability to be a good kistener
- A willingness to work flei b e hour s days
- · A high degree of dexterity and coordination
- Good health with the ability to stand for long periods of time
- Commitment, as salons require high standards of attendance and time-keeping.

Level 2

Barber

Level 2

Arable Farming



'Barber shop wet shaves have become increasingly popular as the male grooming industry has taken off.'

Source: Telegraph.co.uk

#### Communication, all forms

Tasks		

2. Keep up to date with the

latest celebrity hair trends.

# Links to L2 Functional skills English

Barber

Level 2

consultation with a new customer.

1. Have a style

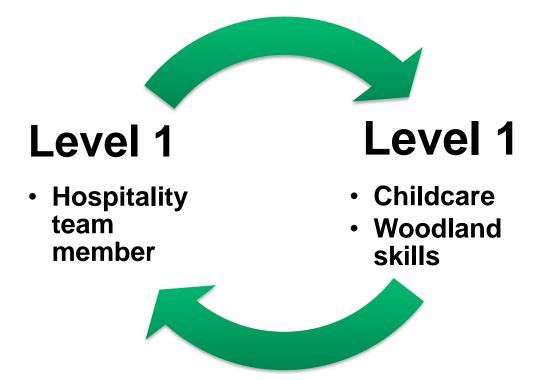
- 1. Speaking, listening and communicating SLC/L2.4 Make requests and ask detailed and pertinent questions to obtain specific information.
- 2. Reading
- R/L2.5 Use a range of reference materials and appropriate resources.

3. Prepare a flyer to promote late evening working at the salon.

3. Writing composition WC/L2.3 Organise writing for different purposes using appropriate format and structure (e.g. standard templates, paragraphs, bullet points, tables).

# **OCCUPATIONAL ROUTE FLYERS**





#### Calculation including problem solving

#### Tasks

1. Approximate how many guests you will have in the hotel over a month, thinking about the difference between week day and weekend occupancy and looking at previous trends.

#### Links to L1 Functional skills maths

1. Number

**N/L1.12** Approximate by rounding to a whole number or to one or two decimal places.

Hospitality
Team Member
Level 1

2. Calculate how much time you should allow for each customer at a table including the turnaround of their food order.

2. Number

**N/L1.3** Multiply and divide whole numbers and decimals.

3. Pick a cocktail and work out the ratios of each ingredient in that cocktail.

3. Number

**N/L1.5** Use simple formulae expressed in words for one or two-step operations.

# IMPACT TO DATE



The development and production of the exploring (Technical and Occupational) route flyers has exceeded any anticipated impact that was expected.

This innovative resource developed around the 15 routes outlined in the Sainsbury report, has been hugely welcomed by providers.

The promotional flyers resources link directly to the occupational and technical routes offered, and are mapped to maths and English FS and GCSE. They create clear and informative material that can be used by Learners, Providers, **Employers and** Parents.





# Embedding maths into Technical Routes Algebra in Catering

#### What is Algebra?

You use algebra to solve a problem.

Algebra is a set of rules to follow, to make sure that things work out correctly.

Imagine the chaos of running a kitchen without rules.

You need to understand that maths has rules just like the kitchen!

#### Using Algebra

- Calculating cooking times
- Costing meals and staffing for catering events
- Converting measurements such as weights and temperatures
- Upscaling ratios of cooking recipes
- Adding or removing percentages (service charges and discounts)
- Calculating ratios of serving staff to customers.
- Calculating statistics on customer surveys or responses to marketing.

#### BODMAS

One of the rules of calculation is the rule of BODMAS.

Calculations should be carried out in the following order:

- B Brackets (complete anything in brackets first)
- O Orders (powers, square roots
- DM Division or Multiplication (if you have a calculation involving division and multiplication, complete them as they appear from left to right)
- AS Addition and subtraction. Finally calculate any addition and subtraction (if you have a calculation involving addition and subtraction, complete them as they appear from left to right).

"Why should I learn algebra - I'm never going there!" Billy Connolly

#### Request from London College Principal

 Specifically to look at one aspect of maths

# Technical route Hospitality and Catering

Algebra



The word "algebra" comes from Arabic and roughly translates as "finding the missing part."
Its first use in English was as a term for fixing a broken limb in surgery!

## **ANIMATIONS**



Video promoting calculation in the construction industry.

Also completed are mini video's in job roles:

- Electrician
- Nail technician
- Plastering
- Software development
- Automotive industry
- Chainsaw

Construction

# **POSTERS**

- **Fitness**
- Tractor driving
- Barista
- Childcare
- Accident repair

#### Promoting **Calculation** skills through Technical Routes

**Working in the Fitness Industry** 

**Body mass index** (BMI)



weight in kilograms (kg) height in metres (m)



your height again

Calories burnt

Kcal per hour

Target HR zone

60-80% of MHR

Maximum heart rate

220 - age = MHR

**Heart rate BPM** 

Running cadence

Speed

(kph or mph)

Time - length of workout

(minutes)

Set treadmill inclination

Learning

Improvemer Network

% (percentages)

Angle of inclination

Degrees (0-10°)

Steps per minute

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# **BRAND NEW STUDY PROGRAMME EXHIBITION SITE LAUNCHED DECEMBER 2018!**



#### STUDY PROGRAMMES

Maximising learners' potential

AN EXCELLENCE GATEWAY **EXHIBITION SITE** 

HOME

MANAGING STUDY PROGRAMMES

TECHNICAL ROUTE RESOURCES

MONITORING LEARNER PROGRESS RESOURCES

CASE STUDIES



# BRAND NEW STUDY PROGRAMME EXHIBITION SITE LAUNCHED DECEMBER 2018!

- The Excellence Gateway Exhibition Site, launched by the ETF brings together all the key information and resources to help post-16 providers of study programmes in one place.
- Resources include reports, training materials, presentations, flyers, videos, posters, and case studies from study programmes.
- https://studyprogrammes.excellencegateway.org.uk/

# DEVELOPING STUDY PROGRAMMES THAT PROMOTE SOCIAL ACTION, MATHS AND ENGLISH.

- A bespoke package developing highly effective study programmes including work placements.
- This programme delivers a flexible and personalised support service with proven positive impact.
- The 'wrap around' support package will include a practical hands-on approach to goal setting, planning and cascade of activities across the organisation to help drive developments forward.
- Resources to promote social action, maths and English skills.

## **SOCIAL ACTION**

Colleges and schools have been "encouraged" to make social action such as volunteering a component of 16-19 study programmes for the first time by the Department for Education.

New guidance on 16-19 study programmes states that social action can be classed as a form of work experience. The document stresses that it can only be included alongside other forms of work experience.

#### WHAT IS SOCIAL ACTION?

The dictionary definition is:

'practical action in the service of others to create positive change'.

The guidance states:

"In a work experience context social action can take the form of young people honing their work related skills and behaviours to have a positive community impact".

## TYPES OF SOCIAL ACTION





INFO@ ALIN.ORG.UK

ETFOUNDATION.CO.UK

# THANK YOU ANY QUESTIONS?