

„Improving Technical Education in Europe“

ein ERASMUS+ Projekt
der AUEA(Birmingham, UK) und der HTL
Mödling



HTL Mödling

Größte HTL Österreichs

11 Höhere Abteilungen

9 Fachschulen

7 Kollegs

ca. 3500 Schülerinnen und Schüler

ca. 400 Lehrerinnen und Lehrer



AUEA unmittelbar nach Fertigstellung (2012)

AUEA

Aston **U**niversity **E**ngineering **A**cademy

Startete 2012 als berufsbildenden
technische Schule (UTC) mit dem
Schwerpunkten Maschinenbau und
Mechatronik mit 120 Schülerinnen
und Schüler

Heute

ca. 400 Schülerinnen und Schüler
ca. 40 Lehrerinnen, Lehrer und
Support Personal

UTCs

- Neuer Schultyp in UK startete in 2010 mit der JCP Academy (AUEA startetet 2012)
- Finanziert durch Lord Baker und dem Baker Dearing Educational Trust
- Es sind berufsbildenden Schulen für Schülerinnen und Schüler von 14 – 19 Jahren.
Also vergleichbar mit der HTL
- Die AUEA wird von der Aston University (eine berufsbildenden Universität) und von Firmen unterstützt.



Unsere Zusammenarbeit

- 2011 erster Besuch des Direktors der AUEA an der HTL Mödling
- 2012 Erste Exkursion an die AUEA
- 2013 - 2014 Leonardo Projekt – von AUEA
20 Studentinnen und Studenten der AUEA absolvierten 14
tägige Praktika in Betrieben in und um Mödling
- 2014 - 2017 KA2 Projekt (Improving Technical Education in
Europe).
- 2016 - 2019 KA2 Projekt – Auslandssemester in UK und
Österreich



Hauptziele des Projektes

- **Sprache & Technischer Schwerpunkt! (HTL)**
 - Für Lehrerinnen und Lehrer – CLIL
 - Für Schülerinnen und Schüler – Fachsprache und Konversation
- **Unterrichtsmethodik (HTL)**
 - Einsatz von PCs/Tablets und Internet im Unterricht
 - Unterrichtsgestaltung (für Lehrer)
- **Fachpraktischen Ausbildung (AUEA)**
- **Internationale Erfahrung sammeln (AUEA)**

Erreicht wurde das durch Lern- und Lehraufenthalten von Schülergruppen in Birmingham und Mödling



Kurzzeit-Projekte für Schülerinnen und Schüler der HTL in Birmingham

- 7 Tage Aktivitäten gemeinsam mit Schülerinnen und Schülern der Partnerschule
- Programm beinhaltet immer folgende Elemente (werden variiert):
 - Birmingham Challenge: eine Selfie Schnitzeljagd durch Birmingham
Ziel ist es u.a. Scones mit Clotted cream und Marmelade zu beschaffen
 - Ein Unterrichtsprojekt zum Thema Naturwissenschaften bzw. Employability
Fahrzeug mit Raketenantrieb/Bewerbung
 - Firmenbesuche (Jaguar, Landrover, Cadbury etc.)/Universitätsbesuche
 - Kultur/Museumsbesuche/Kinoabende (Ironbridge/Black Country Museum)
- **Insgesamt haben: 113 Schülerinnen und Schüler und 15 Lehrerinnen und Lehrer teilgenommen**

Bewerbungen auf PC

Look at the CVs on your tables.
Write 2 positives and 2 negatives for each one

Group Activity: Brainstorm

- 5 different people are applying for a job in your company.
- What are the 5 **most important** things you want to know about them?



Design your own digital CV

- www.canva.com
- Sign up for free with your email
- THINK about the job you are applying for. ADAPT your CV accordingly.
- The AUEA students in each group are going to help the Austrian students to make a CV

A
Katie Simon
katie@erasmuscollege.nl | facebook.com/katie | erasmuscollege.nl

EXPERIENCE

WorkMez, New York City | www.workmez.com
Data Analytics Intern, January to May 2015

- Advised board partner campaigns on product positioning, sample size, and demographic targets
- Built analytics reports using insights extracted from SQL database
- Created advanced Excel formulas (VLOOKUP, pivot tables, IF statements)

EventMez, New York City | www.eventmez.com
Content Intern, June to August 2014

- Increased site traffic and conversion ROI's with targeted SEO strategies
- Wrote and published 5+ articles per week (twice employee average) totaling 100 posts
- Trained colleagues in HTML and WordPress elements to increase team productivity

Global Climate Travel, New York City | www.globalclimatetravel.com
Community Engagement Director, April to September 2013

- Managed email marketing campaign for student travel company
- Increased Facebook following by 40% and total Facebook reach by 400%

Stigma, Boston, MA | www.stigmagroup.org
Founder and Director, August 2009 to July 2010

- Engaged 3,000+ members in six months to take action against child sex trafficking
- Gave peer-to-peer speeches to thousands of students and facilitated 50+ leadership workshops
- Organized 23 50mg cruises to the U.S., Canada, and Hong Kong
- Fundraised over \$100,000 through grants and events for awareness campaigns

PROJECTS

Surviving in Numbers, Boston, MA | www.survivinginnumbers.org
Campaign Consultant, March to June 2014

- Raised \$6,700 through crowdfunding campaign to fund sexual assault prevention organization

Green Guerrillas, New York City | www.greenguerrillas.org
Brand & Campaign Consultant, February to April 2014

- Presented goals, tactics, and timeline for "Bride of the Boroughs" community fundraising campaign
- Introduced logo and language changes that respectfully adopted and still uses today

SKILLS

Tools: Excel, Google Analytics, Salesforce, MailChimp, Adobe Creative Suite
Technical: SQL, HTML/CSS, Python, R, Bash, Git
Spoken Languages: English, Conversational Spanish and Hebrew

EDUCATION

New York University, College of Arts and Sciences | May 2013

- B.A. in International Study with Honors (C.A., I.30, Dean's List 2014)
- Concentration: Narrative Nonfiction
- Minor: Web Programming and Applications

B

CURRICULUM VITAE
HELLO MY NAME IS RICCARDO SABATINI.

A SHORT PRESENTATION

Hi, I'm Riccardo Sabatini, a 28-year-old Italian student living in London. I'm currently studying for my Master's degree in Business Administration at the University of London. I have a strong background in marketing and communication, and I'm looking for a challenging role where I can apply my skills and contribute to the success of the organization.

EDUCATION

UNIVERSITY OF LONDON
Master's Degree in Business Administration, 2014-2016

UNIVERSITY OF TORINO
Bachelor's Degree in Business Administration, 2011-2014

WORK EXPERIENCE

MARKETING ASSISTANT
ABC COMPANY, 2015-2016

- Managed social media campaigns for a leading brand, increasing engagement by 20%.
- Conducted market research and competitor analysis to inform marketing strategy.

COMMUNICATIONS OFFICER
DEF COMPANY, 2013-2015

- Developed and executed communication plans for various projects, ensuring timely and effective delivery.
- Collaborated with cross-functional teams to align communication efforts with organizational goals.

SKILLS

- **Language:** Italian (Native), English (Fluent)
- **Technical:** Microsoft Office, Adobe Creative Suite, Social Media Management
- **Soft Skills:** Teamwork, Communication, Problem Solving, Time Management

HOBBIES

Reading, Traveling, Hiking, Playing Chess

C



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Rocket Car – Science Project

Design



Herstellung



Ergebnis



Birmingham Challenges

Challenges

- ⦿ A jar of strawberry jam
- ⦿ 1 homemade scone
- ⦿ A bank note that can be used in Monaco
- ⦿ A german-language newspapers with today's date (13.12.2016)
- ⦿ A team photograph at the Frankfurt Christmas Market, lowest/highest point of the city, sculpture by Laurence Broderick, building designed by Thomas Archer

Selfie Sculpture by Laurence Broderick

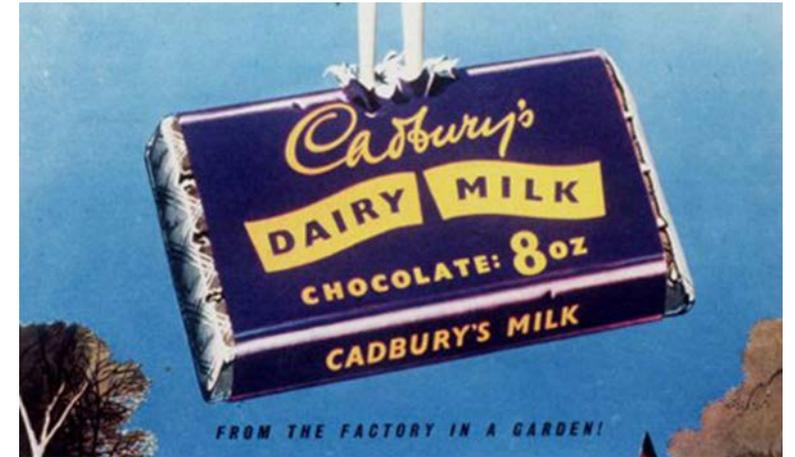


Firmenbesuche

Land Rover



Cadbury



Jaguar



Kurzzeit-Projekte für Schülerinnen und Schüler der AUEA in Mödling

- 14 tägige Aktivitäten gemeinsam mit Schülerinnen und Schülern der HTL
- Programm beinhaltet immer folgende Elemente (werden variiert):
 - Unterschiedliche Workshops mit Schülerinnen und Schülern der HTL
 - Werkstättenprojekte in Metall/Holz/Elektro Werkstätte
 - Firmenbesuche (KTM; EVN etc.)/Städetrips – Graz/Salzburg
 - Kultur/Museumsbesuche/Kinoabende (Schönbrunn/UNO/Wien Innenstadt)
 - Ein Outdoor Event (Wildwasser oder Skifahren)
- **Insgesamt haben 90 Schülerinnen und Schüler und 20 Lehrerinnen und Lehrer der AUEA teilgenommen**

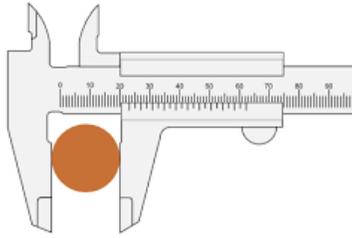
Schmiede



Measure with the caliper (page 10)

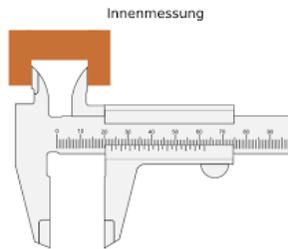
External Measurements

For external measurements the measuring legs should be guided as far as possible over the workpiece. The measuring legs should be used only for the measurement of narrow grooves.



Internal measu

For internal measurements, first the fixed measuring leg is placed in the bore and then the movable one. The measured value is displayed directly by the crossing knobs.



Depth measuremen

For depth measurements, the depth measurement is performed with the depth measuring rod



21/10/2016 – CLIL&ICT-WS: Asking – Answering questions about their views on several topics

Workshop of our 4BHME with the guest class from Birmingham

Four or five students comprising two Austrian and two or three UK students formed work groups.

The Austrian students interviewed the UK students and the UK students interviewed the Austrian students alternatively about their views on several topics of school, technology, business, economics, and life in general.

Each group was free to choose their topics and think of interesting questions. The only requirement was that the questions should be fun, interesting and entertaining.

All answers had to be documented by the Austrian and UK students. In the end, two groups are selected, and they made a short presentation on the discussion questions with interesting, surprising or funny answers.

Differences in the school system of both countries, places for entertainment and free time activities were the most discussed questions in the groups.



Photo: left: Mr Benedikt POYER at the back and Mr Alexander ANNERL at the front, both HTL Mödling, 4BHME right: Mr Lewis TAYLOR-JOHNSON at the back and Mr Kaleem RIAZ at the front, both AUEA Birmingham

Smartphones or tablets were used to search for vocabulary.

2016-10-26, Werner Bisich

ICT about 19/10/2016 – CLIL&ICT-WS: Playing the Business Master Ga

Workshop of Birmingham and Austrian class

Two students from AUEA Birmingham and two students from HTL Mödling formed groups and played the Business Master Game.

They had a lot of fun, practised communication in English, and shared their knowledge about economics too.

A Khoot quiz using mobile phones has been played too.



Photo: left: Mr Wolfgang HIEBLER in the back and Mr Julius LANG in the front, both HTL Mödling, 4AHME right: Mr Othman KENEWA in the back and Mr Mohamed BARREH in the front, both AUEA Birmingham

The **Business Master Game** is a board game. It combines **Monopoly** and **Trivial Pursuit**. It is a game based on the Austrian economy meant for schools and vocational education.

Knowing, investing, cashing in – a reflection of entrepreneurial reality. In Business Master you can **buy and sell companies**, invest in them, **turn them into a public limited company**, list them on the **stock exchange**, and **issue shares**.

Some **question cards on economic topics** ensure that **entrepreneurial know-how** is a decisive factor, not just luck and strategy.

The player **who owns the most companies**, the **most valuable shares**, and the **most cash**, is the **winner** at the end of the agreed playing period.

The **question cards are structured according to the European Business Competence License (EBC[®]L)**, which means that Business Master can be used both in school and for training adults. The **question cards are divided into a "Junior" and a "Senior" version** and, therefore, can be used at all school levels and types. There are Austrian and international championships.

2016-10-20, Werner Bisich

Wir möchten gerne möglichst viele Lehrerinnen und Lehrer und Schülerinnen und Schüler für das Lernen von Europa interessieren.

■ **Lehrerinnen und Lehrer:**

- 2016: 14 Kursbesucher (English + Methodik); 15 Job Shadowing Aktivitäten (D, NL, UK, P) (HTL Mödling)
- 2017: Genehmigtes KA1 Projekt des LSR f NÖ für Kurse und Job Shadowing für HTL (7 Htls)

■ **Schülerinnen und Schüler**

- **Ein Nachfolgeprojekt (KA2) mit der AUEA wurde 2016 genehmigt (bis 2019)**
 - 5 Schülerinnen und Schüler der AUEA verbringen derzeit ein Auslandssemester in Mödling
 - 2 Schüler der HTL haben das SS 2017 an der AUEA absolviert; 2 Schüler sind für das SS 2018 angemeldet