



**EUB  
European Baccalaureate**

# **The EU HAM-ST Advanced High School Programmes**

**The EDUCATION PLAN**

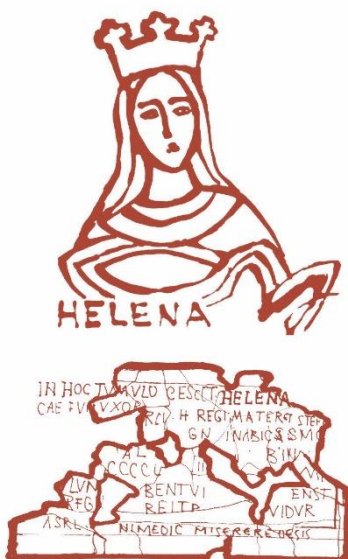
**Fifth and Sixth Form**



Queen Helen  
(976 A. D.)

### 'Queen Helen' College

Has been named after Queen Helen who reigned in the 10th century and was regarded 'the most favourite person in a thousand-year-long reminiscence of the Croatian people'



Queen Helen Epitaph  
dated 976 A.D.

IN HOC TUMULO QUESCIT HELENA FAMOSA, QUE FUIT  
UXOR MIHAELI REGI, MATERQUE STEFANI REGIS,  
HABENAS RENUIT REGNI, VIII IDUS MENSIS OCTOBRIS  
IN PACE HIC ORDINATA FUIT ANNO AB INCARNATIONE  
DOMINI DCCCCLXXVI INDICTIONE IV, CICLO LUNARI  
V, EPACTA XVII, CICLO SOLARI V, CONCURRENTI VI,  
ISTAQUE VIVENS FUIT REGINA, MATER FIT

PUPILLORUM TUTORQUE VIDUARUM,  
ICQUE ASPICIENS VIR ANIME DIC MISERERE DEUS

### ENGLISH TRANSLATION

In this grave rests Helen (Jelena) the Glorious, wife of King Michael (Krešimir) and the mother of King Stephen (Držislav). She ruled the Kingdom. On the 8th day prior to Ides of October 976 she was buried here to rest in peace... from the incarnation of Our Lord, fourth indiction, fifth lunar cycle, seventeenth epact, fifth solar cycle in conjunction with the sixth.

During her life as Queen she also became the mother to orphans and the protectress of widows.

May those who look here say: God, have mercy on her soul.

### The Queen Jelena Artistic View

Josip Botteri Dini  
professor at Academy of Art  
University of Split



## **EUB**

European Baccalaureate

# **The EU HAM-ST Advanced high School Programme**

Education in English

Fifth and Sixth Form

## **The EU HAM-ST Advanced High School Programmes**

### **INTRODUCTION**

The European (EU)HAM-ST Advanced High School programme in which HAM-ST is the acronym for Humanities, Arts, Mathematics, Science and Technology, is based on the values of the triple educational core of humanities, arts and mathematics or HAM.

The HAM is an educational 'sine qua-non' for the development of humanities, social and natural sciences as well as for the innovative and creative development of new technologies. European HAM-ST programme is being prepared to be implemented in English language under the following name:



# **ZAGREB**

**The Capital of the Republic of Croatia**



**ADVISORS and MENTORS**  
**EU HAM-ST EDUCATION OF THE YOUTH**



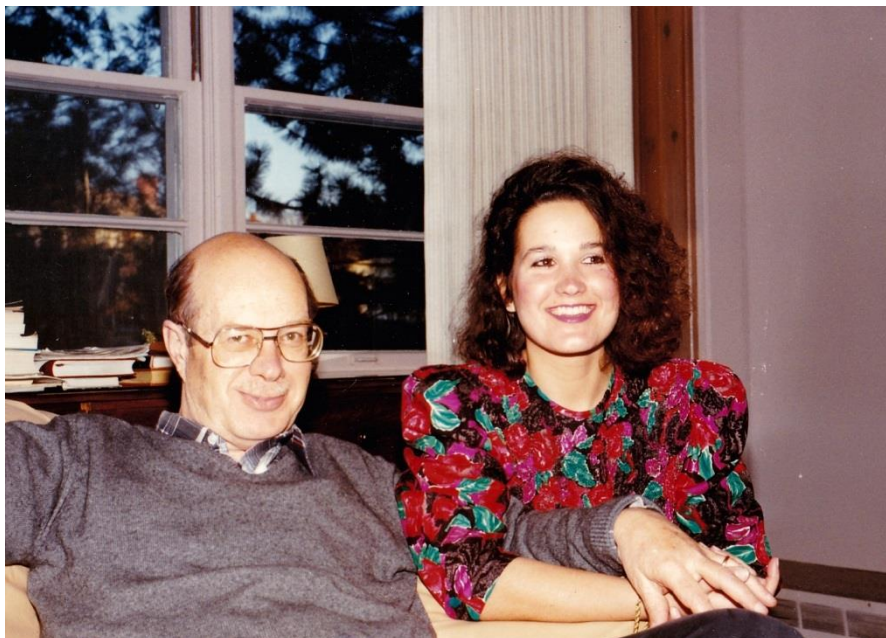
**HAM Trinity**

**IN MEMORIAM**  
**And Gratitude**

**Humanities: Katjleen V. Wilkes (Oxford), Mathematics: Neli Tomić Plazibat (EF, Split), Andro Mikelić (Lyon),  
Science and Technology: Sean P- McGlyn (LSU, USA), Tonko Graovac (IRB, Zagreb), Communication and Media:  
Art J. Meyer (St Louis USA) and others.**

**Rest in peace**





## COMMUNICATION and MEDIA

prof. dr. sc. Art Meyer  
Dean St Louis College (USA)

My visit to Croatia have been frequent for more than 25 years. During that time, I have had numerous opportunities to observe deteriorating conditions in educational conditions in Croatian educational institutions. I hope that your efforts will produce results to enrich the lives of the students and Croatian society at large".

Jan. 28th. 1994

Prof. dr. Jasna/and Art Meyer  
/Professors of Communications at WMC/  
Georgetown)and St Louis, USA/

# THE PHILOSOPHY OF THE EU HAM-ST ADVANCED PROGRAMMES

## FOREWORD

### ANCIENT CLASSICAL CURRICULUM

5th century B.C.

#### EDUCATION IN CLASSICAL ANTIQUITY

Humanists in Classical antiquity during the 5th and 4th century B.C. discarded the studies of nature and the world based on myth and religion. They introduced the systematic study of nature and the world based on the harmonic unity, as well as wide-range and wholesome educational programme – a curriculum known as paideia. This system of acquiring knowledge based on grammar accuracy and intellectual correctness, eventually evolved into:



### SEVEN LIBERAL ARTS

**QUADRIVIUM:** arithmetic, geometry, music and astronomy

**TRIVIUM:** grammar, rhetoric and logic

Philosophy was accepted as the mother of all seven liberal arts.

## SUMMARY

The EU HAM-ST (abbreviation for European Humanities, Arts, Mathematics, Science and Technology) is a new and advanced curriculum which emphasizes the immeasurable importance of humanities, arts and mathematics in the education of young people aiming at creative and innovative development of all segments of the new, digital society of the 21st century. This advanced EU HAM-ST programme is the core of the European-Croatian curriculum of the gymnasium with different courses of study which was first implemented in 'Queen Helen' College in Split in 2012 by the Ministry of Science and Education permit, and since 2021 it became the national programme with public rights in the gymnasium education in the Republic of Croatia.

## CROATIAN-EUROPEAN ADVANCED HIGH SCHOOL PROGRAMMES



REPUBLIKA HRVATSKA  
MINISTARSTVO ZNANOSTI I OBRAZOVANJA  
mzo.gov.hr

KLASA: UP/I-602-03/20-05/00045  
URBROJ: 533-05-21-0003

Zagreb, 22. rujna 2021.

Na temelju članka 92. Zakona o odgoju i obrazovanju u osnovnoj i srednjoj školi (Narodne novine, broj 87/08, 86/09, 92/10, 105/10, 90/11, 05/12, 16/12, 86/12, 126/12, 94/13, 152/14, 07/17, 68/18, 98/19 i 64/20), članka 4. Pravilnika o načinu i postupku utvrđivanja uvjeta za početak rada školske ustanove (Narodne novine, broj 141/09 i 95/20), a u povodu zahtjeva Gimnazijskog kolegija „Kraljica Jelena“ s pravom javnosti, Nodilova ul. 1, Split, u predmetu utvrđivanja uvjeta za početak izvođenja obrazovnog programa pod nazivom hrvatsko-europska gimnazija s usmjerenjima, ministar znanosti i obrazovanja donosi

### RJEŠENJE

Odobrava se Gimnazijskom kolegiju „Kraljica Jelena“ s pravom javnosti, Nodilova ul. 1, Split, početak izvođenja obrazovnog programa pod nazivom **hrvatsko-europska gimnazija s usmjerenjima (šifra: 321109)**.

### Obrazloženje

Gimnazijski kolegij „Kraljica Jelena“ s pravom javnosti, Nodilova ul. 1, Split, podnio je zahtjev za početak izvođenja obrazovnog programa pod nazivom hrvatsko-europska gimnazija s usmjerenjima, skraćenog naziva gimnazija s usmjerenjima.

U postupku koji je prethodio ovom rješenju, a na temelju priložene dokumentacije, utvrđeno je da škola ispunjava uvjete propisane člankom 4. Pravilnika o načinu i postupku utvrđivanja uvjeta za početak rada školske ustanove (Narodne novine, broj 141/09 i 95/20) pa je riješeno kao u izreci.

Ovim rješenjem stavlja se izvan snage rješenje (UP/I-602-03/20-05/00045; URBROJ: 533-05-20-0002) od 2. studenoga 2020. godine.

### Pouka o pravnom lijeku

Protiv ovog rješenja nije dopuštena žalba, ali se može pokrenuti upravni spor tužbom kod nadležnoga upravnog suda u roku od 30 dana od dana primitka rješenja.



## INTRODUCTION

Science, education and culture in their creative synergy have enhanced economy and development of new technologies in all historical periods until the contemporary digital society of the 21st century. Croatian people have belonged for more than a thousand years to the European civilisation arising from the fascinating Mediterranean culture with Classical Greek curriculum from the 5th century B.C., which became the educational origin of the first European universities and gymnasiums in the early Mediaeval period.

In Croatia, the most renowned is the Jesuit Classical Gymnasium founded in Zagreb in 1607, evolving later into the national Central European university in Zagreb.



## **THE PHILOSOPHY OF THE EU HAM-ST ADVANCED PROGRAMME**

Humanities and arts, together with mathematics are 'conditio sine qua-non' for the creativity and imagination in education of young people and therefore crucial for their successful contribution to the new achievements in the development of science and new advanced technologies of the 21st century. At the threshold of the new technological revolution, Croatia and the European Union face increased demand in the development of economy, science, culture, and particularly new information technologies based on the use of artificial intelligence.

The competitiveness of Croatia and the European Union can solely be guaranteed by means of innovative and creative human resources educated in the excellence of contemporary HAM-ST programme, which is the main aim of all programmes in the non-profit 'Queen Helen' College, ranging from the programme of Croatian-European gymnasium with different courses of study to all new variants of the programme currently being prepared for implementation in Croatian and English language under the name EU HAM-ST or EU-Ham programmes.

All the variants of EU HAM-ST programme in Queen Helen College are based on indisputable values of Mediterranean and Central European educational tradition with the implementation of ideas belonging to modern European and worldwide education, underlain by the following trinity:

- **humanities and social sciences**
- **arts, studying 2-3 modern European languages and mathematics**
- **natural sciences, information technology and artificial intelligence with applied knowledge**

Humanities, arts and mathematics (abbreviation HUM or HAM in English) are the setting stones for the development of science, new technologies and applied artificial intelligence in the new technological revolution of the digital society currently being developed at the beginning of the third millennium.

The trinity of humanities, arts and mathematics form the educational core or the heart of new, advanced variants of the advanced EU HAM-ST programme that ultimately provides completeness in education and comprises the STEM programme in narrower sense.

European perspectives and competitiveness of all the European Union member states can only be ensured by new, innovative and creative generations of young people from Croatia and the European Union, that will successfully rise to the challenges of the new technological revolution in the digital society of the 21st century.

## **EU FORUM AND CEEESS PROGRAMME**

### **EU FORUM**

EU Forum has an exceptionally important role to give young people practical knowledge, to encourage empathy and creativity, as well as to embrace the perspectives of European digital society with applied knowledge in the development of advanced economy, science and culture aiming at the progress of new advanced technologies of modern Croatia and the European Union. EU Forum fulfills its requirements through educational contents of subjects such as the Applied EU Studies (abbreviation in Croatian: AEUS) with four modules as follows: Modul 1 Applied psychology, Modul 2 Applied sociology, Modul 3 European union and Croatia, Modul 4 Science, EU Society and New High Tech

## SEEESI PROGRAMME

SEEESI programme is in step with the educational philosophy of the advanced HAM-ST (abbreviation for Humanities, Arts, Mathematics, Science and Technology) which is the core of all educational programmes in the Queen Helen College in Split. SEEESI programme is the optional part of the EU Forum which consists of student activities and workshops in the field of creativity, education, ethics, ecology and social-humanitarian aid within a wide range of students' interests, from creative writing, debates and discussions, design, comics, film and theatre, music, to contemporary ethical issues, human rights, bioethics, climate change and ecology to sports and health, volunteering and social support to those in need.

## ACADEMIC PRINCIPLES OF THE QUEEN HELEN COLLEGE

- FIRSTLY Academic excellence of teachers and students in education  
SECONDLY Academic freedom in improving all segments of education and the school's public activities  
LASTLY National, racial and religious tolerance and human rights

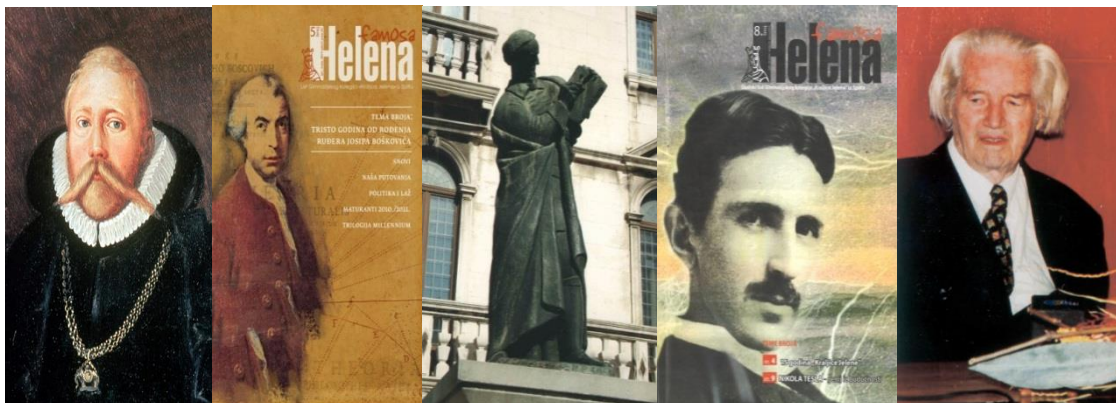
## CONCLUSION

The philosophy of the EU ST-HAM European-Croatian educational programmes in the Queen Helen College in Split is based on excellence in the education of the young, provided by the trinity of humanities, ars and mathematics as the educational core or the heart of all the new variants, i.e. the advanced EU HAM-ST curriculum.

The EU HAM-ST programmes with their excellence aim at creating young human potential that are innovative and creative enough to ensure competitiveness at the beginning of the third millenium and in the new techological revolution of the modern digital society in Croatia and the European Union.

## EU HAM-ST CROATIAN HISTORICAL HERITAGE

Throughout a long historical period, great personalities in European and worldwide science, culture and techology were born within the Croatian territory, from St. Jerolim at the end of the 4th century to the founder of Croatian literature and a great European Latinist Marko Marulić Splitsanin, to Faust Vrančić, Ruđer Josip Bošković, Nikola Tesla, Ivan Meštrović, Ivan Supek, Croatian Nobel Prize laureates and numerous successful contemporary scientists, artists and new techology developers in Croatia and worldwide.



Marko Marulić Splitsanin  
Marcus Marulus Spalathensis  
(1450. – 1523.)



## **The HAM-ST Advanced Education of Youth in EU**

Education in English

### **FOREWORD**

'Queen Helen' College in Split, being a non-profit, secular school, prepares advanced HAM-ST (Acronym for Humanities, Arts, Mathematics, Science, Technology) educational programmes in English language with the main aim of academic excellence, as well as financial availability to young people in both Croatia and European Union.

These advanced educational HAM-ST programmes of basic education are based on the values of Mediterranean and European culture, education and science that have developed from the educational core of humanities, arts and mathematics, which is 'sine-qua-non' in the development of science and new technologies in the new digital environment of Croatia and European Union in the 21st century.

These new and advanced European HAM-ST programmes will be fully realized in English language, with the exception of Croatian language classes, aiming at educational excellence in the education of innovative and creative generations of young people from Croatia and European Union. They will create competitive and democratic Croatia and European Union and successfully rise to the unpredictable challenges of the new digital environment of the 21st century.

Historical and contemporary achievements of European education based on humanities, arts and mathematics, through implementation of the advanced, contemporary educational programmes of STEN, UNESCO's IB, Italian 'Scientifico' and other national and international programmes, together build these new European HAM-ST advanced programmes in English language as follows:

**The EU HAM-ST  
Advanced High School**

**The EU HAM-ST  
Advanced Middle School**

**The EU HAM  
Advanced Elementary School**



ISSA (Island Vis)

## MEDITERRANEAN CROATIA



PHAROS (Island Hvar)

SCADRONA (Skradin)

### he EU HAM-ST Advanced High School Programme

This new version of the advanced EU HAM-ST programme is based on millenium-long achievements of the Mediterranean culture and indisputable values of Croatian central-European education, as well as the implementation of the contents of modern contemporary education, resulting in this advanced **European HAM-ST High School Programme** becoming an open educational programme available for the creation of new creative and innovative young potential, aiming at building modern and competitive Croatia and the European Union in the digital society of the 21st century.

## MEDITERRANEAN CROATIA

European culture, science and education stems from thousand-year-long tradition of the classical Greek curriculum with seven liberal arts, which was the educational foundation of the first European universities, such as Salamanca in Spain, Bologna in Italy and Oxford in Great Britain. Mediterranean Croatia is an area of great European cultures with ancient towns on the islands and along the coast, such as:

SPLIT (Greek: Aspalathos), SOLIN (lat. Salona), CAVTAT (Greek: Epidaurium), DUBROVNIK (Latin: Ragusina), VID (Latin: Naronna), KORČULA (Greek: Korkyera), HVAR (Greek: Faros), VIS (Greek: Issa), TROGIR (Greek: Tragioriom), SKRADIN (Latin: Scadrona), ZADAR (Latin: Jadera), NIN (Latin: Aeona), PULA (Latin: Pietas Iulia), etc.

### Marko Marulić Splitski

Marko Marulić, the father of Croatian language and literature, was born in 1450 in the Dioclecian's Palace in Split. He was buried in 1524 in St Francis Monastery in Split.

His epic poem Judith written in 1501 Croatian language made him the greatest poet in Croatian literature and the father of Croatian language and literature, becoming at the same time the most famous European Latinist, read even among the European royalty.

He signed his works written in Latin language as Marcus Marulus Spalathensis (Marko Marulić Splitski).

In honour of this great bard of Croatian poetry and language and a great European Latinist, in literary circles Split is referred to as Marul's town.

## CROATIAN NATIONAL PARKS

Krka, Mljet



### CROATIA AND EUROPE

Croatia has belonged to the western European civilization since the Carolingian Empire under Charlemagne, followed by the rule of Hungaria, Austria, Venice, Napoleon's France and Austro-Hungarian Empire. That fact has been finally 'crowned' by Croatian accession treaty and full membership in the European Union at the beginning of the 21st century.



## **SPLIT**

Queen Jelena (Greek: Helen) College is located in Split's historical core, in one of the most beautiful Mediterranean surroundings, more specifically in the building housing the famous 'Natko Nodilo' Classical Gymnasium under the leadership of the school principal Frane Bulić at the end of the 19th century.

In 1897 world-famous scientist and archeologist priest Frane Bulić discovered the remains of Queen Helen's sarcophagus with an epitaph dated in the 9th century in Paleo-Christian town of Solin (Salona).

Along with the rich historical and cultural heritage since the classical antiquity, Split is also famous for its Diocletian's Palace built in 304 A.D. and protected by UNESCO.

Split has become a political, cultural and educational centre, as well as world-famous sports centre.



Diocletian Palace –  
394th Year

# THE ADVANCED HAM-ST PROGRAMME

## ORGANIZATION SCHEME

### INTRODUCTION

European HAM-ST Programme is introduced in two versions, the former being the bilingual version in English and Croatian, and the latter being the English language version, both of which have the purpose of giving the parents and future students the possibility of freely selecting the programme suitable to their own needs. In addition, there is also the original Croatian-European version, which has been carried out in Croatian since 2012. European HAM-ST's educational plans have relied on advanced HAM-ST (short for Humanistics, Art, Mathematics, Science, Technology) programme, whose Croatian version has been successfully implemented in Kraljica Jelena High School since 2012, with the permission from the Ministry of Science and Education of the Republic of Croatia.

The organisation scheme of the advanced version of the HAM-ST high school programme follows the international standard classification, for instance UNESCO's International Baccalaureate (IB) programme, in the following way:

**5th Form**  
**Age 14 -16**  
**1st and 2nd Grade**

### ORGANIZATION SCHEME

The purpose of EU ST-HAM programme is the education of 1st and 2nd grade students (Fifth form), carried out in classes with 16-18 students with the complete programme according to the following scheme:

#### A. BASIC PART

Croatian language\*, Mathematics, English, Latin, Art (Modul 1 Fine Arts, Modul 2 Music), History, Physics, Science (Modul 1 Biology, Modul 2 Chemistry, Modul 3 Geography), Information Technology and Artificial Intelligence (IT and AI)

EU Forum  
Knowledge and Citizenship Education  
Modul 1 Applied Psychology, Modul 2 Applied Sociology,  
Physical Education and Health  
Optional Subject\*  
Croatian Programme of Religious Knowledge, Ethics

#### B. ADVANCED PART

2nd EU Language  
French, German, Italian, Spanish

Science (Modul 1 Biology, Modul 2 Chemistry, Modul 3 Geography)

#### C. FREE ACTIVITIES AND WORKSHOPS

CEEES Programme  
of Free Actions and Workshops in Creativity, Education, Ethics, Ecology, Social Support.  
Field-trips to the monuments from the Ancient Greek period, and Roman historical monuments in Italy

**Sixth Form**  
**Age 16 – 18**  
**3rd and 4th Grade**

### **ORGANIZATION SCHEME**

Within this EU ST-HAM programme, after successfully completing the first two years of the high school programme, the students, with their parents' consent, choose one of the seven available educational courses. Their class remains the educational unit in which the common or the basic part of the EU ST-HAM programme is being carried out for all the students.

#### **A. BASIC PART**

Croatian language, Mathematics, English language, History, Philosophy(with Logics), Physics, Science A or B, IT and AI  
EU Forum  
Knowledge and Citizenship Education  
Modul 3 Croatia and EU Modul 4 Science and Cognition  
Physical Education and Health  
Optional subjects

#### **B. ADVANCED PART**

Having successfully completed the first two years of the high school programme (the Fifth Form), the students, with their parents' consent, choose one of the available programmes classified into seven educational groups:

### **SEVEN GROUPS** **The EU HAM-ST Advanced High School Programme**

- Group 1 HUMANISTICS, CLASSICS, SOCIETY**
- Group 2 EU LANGUAGES, HUMANISTICS, IT and AI**
- Group 3 SCIENCE, MEDICINE, IT and AI**
- Group 4 COMPUTING, MATHEMATICS, IT and AI**
- Group 5 ARCHITECTURE, DESIGN, ART**
- Group 6 BUSINESS, ECONOMICS, IT and AI**
- Group 7 EUROPEAN STUDIES, SOCIETY, IT and AI**

#### TEACHING LANGUAGE

English  
2nd and 3rd EU Languages  
French, German,  
Italian, Spanish

The Croatian language course is carried out in Croatian, as well as the Religious Education lessons, according to the agreement between the Holy See and the Republic of Croatia.

IT and AI are English acronyms for Information Technology and Artificial Intelligence.

#### **C. FREE ACTIONS AND WORKSHOPS**

CEEES is the programme of free actions and workshops in creativity, education, ethics, ecology and social support.

**Excursions**



# QUEEN JELENA COLLEGE CEREMONIAL OPENING

October 14th. 2002



## GOSTI

akademik Ivo Šlaus, predsjednik Svjetske akademije znanosti  
Izaslanik Vlade i Sabora RH  
mr. sc. Nansi Ivanišević,  
bivša ministrica znanosti i obrazovanja RH  
prof, dr. sc. Bernard Peroš,  
prorektor Sveučilišta u Splitu  
fra Pero Đida, dr. sc. don Ivan Čubelić, dr. sc. don Ivan Grubišić  
Splitsko-makarska nadbiskupija

**The EU HAM-ST  
ADVANCED HIGH SCHOOL PROGRAMMES  
Education Plan**

**FIFTH and SIXTH FORM**

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	Native language with literature	4	4	4	4
	Mathematics	4	4	4	4
	English	4	4	3	3
	2nd EU language	2	2	2	2
	Latin	2	2	-	-
	History	2	2	2	2
	Art	1+1	1+1	-	-
	Social Sciences	-	-	1	1
	Philosophy	-	-	1	2
	Physics	2	2	2	2
	Science	4+2	4+2	3+1	3+1
	IT and AI	2	2	1	1
	Physical Education and Health	2	2	2	2
	Optional subject	-	-	-	-
<b>B</b>	<b>ADVANCED PART</b>				
	Subject A				
	Subject B				
	Subject C				
	Subject D				
	EU Forum: TKCS	1	1	1	1
	<b>EUROPEAN FORUM</b>				
	<b>Workshops on Civilship Education</b>				
	<b>The CEEESS Programme of Free Actions and Workshops in Creativity, Education, Ethics, Ecology, and Social Support</b>				
	<b>Total</b>	<b>31+2</b>	<b>31+2</b>	<b>30+2</b>	<b>30+2</b>

**EDUCATIONAL EXCURSIONS**

**Ancient Greece, Ancient Rome and Renaissance and Graduate Study Excursion**

**MODULS:**

EU Forum: TKCS modul 1 Applied Psychology, Modul 2 Applied Sociology, Modul 3 Croatia in European Union, Modul 4 Cognition and Science

Art: Modul 1 Fine Arts, Modul 2 Music

Science: Modul 1 Biology, Modul 2 Chemistry, Modul 3 Geography

EU Forum Free Actions and Workshops in Creativity, Education, Ethics, Ecology, Social Support

**Social Sciences Modul 1 PSYHOLOGY, Modul 2 Sociology**



**1st Century A.D.**

**SALONA  
HISTORICAL ORIGIN OF CROATIAN NATION**



## INTRODUCTION TO THE SUBJECTS OF THE EUB PROGRAMME

### SIXTH FORM

		GODINA			
B.	ADVANCED PROGRAMME	I	II	III	IV
	Advanced English	-	-	2	1
	Advanced Physics	-	-	1	1
	Ancient Greek	-	-	2	2
	AI and Robotics	-	-	1	1
	Astronomy and Astrophysics				
	Art: Modul 1 Fine Arts	1	1		
	Art: Modul 2 Music				
	Contemporary Architecture	-	-	1	1
	Contemporary European Literature	-	-	1-2	1
	Contemporary Philosophy	-	-	1	1
	Communication	-	-	1	1
	Computing	-	-	1	1
	Drama	-	-	1	1
	Drawing and Design	-	-		
	EU Forum: TKCS	1	1	1	1
	European Studies	-	-	1	1
	Financial Mathematics	-	-	2	1
	Geophysics	-	-	1	1
	IT and AI	-	-	1	1
	Methods of Applied Mathematics	-	-	1-2	1
	Philosophy of Religions	-	-	2	1
	Politics, Economy, and Business	-	-	1	1
	Science Modul 1 Biology Modul 2 Chemistry Modul 3 Geography	-	-	5+1	5+1
	2nd and 3rd EU Language	2	2	2	2
	Theory of Design	-	-	1	1

**ADVANCED ENGLISH**  
3rd and 4th Year  
6th Form

Education fond of hours in one week (Year): 1 hours a week (35/32 hours a year)  
PROFESOR: Nedica Kalebić

**Queen Jelena College**  
**Croatian and European High School**

## Programme/or Group 1



**Marko Marulić/Marcus Marulus Spalathensus  
Father of Croatian Literature  
Great European Latin Wrater**

## HUMANISTICS, CLASSICS, SOCIETY

<b>B.</b>	<b>ADVANCED ART</b>				
	<b>Ancient Greek</b>	-	-	<b>2</b>	<b>2</b>
	<b>Art</b>	-	-	<b>1+1</b>	<b>1+1</b>
	<b>Contemporary European Literature</b>	-	-	<b>1</b>	<b>1</b>
	<b>Drama</b>	-	-	<b>1</b>	<b>1</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN  
 2nd EU Modern Languages  
 SIXTH FORM: Science  
 Modul 1 Biology, Modul 2 Geography

High School Programme 1

**HUMANISTICS, CLASSICS, SOCIETY**

5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	Native Language	4	4	4	4
	Mathematics	4	4	4	4
	English	4	4	3	3
	2nd EU Language	2	2	2	2
	Latin	2	2	-	-
	History	2	2	2	2
	Art	1+1	1+1	1+1	1+1
	Social Sciences	-	-	1	1
	Philosophy	-	-	2	2
	Physics	2	2	2	2
	Science	4+2	4+2	3+1	3+1
	IT and AI	2	2	1	1
	Physical Education and Health	2	2	2	2
	Optional Subject	1	1	1	1
<b>B</b>	<b>ADVANCED PART</b>				
	Ancient Greek	-	-	2	2
	Drama	-	-	1	1
	Contemporary European Literature	-	-	1	1
	EU Forum: TKCS	-	,-	1	1
<b>C.</b>	<b>EUROEAN FORUM</b>				
	<b>Civilship Education</b>				
	<b>The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology, and Social Supports</b>				
	<b>Total</b>	<b>31+2</b>	<b>31+2</b>	<b>30+2</b>	<b>30+2</b>

Sixth Form

Science Modul 1 Biology, Modul 2 Geography

## Programme/or Group 2



**ZADAR**  
(lat. Jadera)

### EU LANGUAGES, HUMANISTICS, IT and AI

B.	ADVANCED PART OF EU BEP				
	<b>Advanced English</b>	-	-	<b>2</b>	<b>1</b>
	<b>Communication and Media</b>	-	-	<b>1</b>	<b>1</b>
	<b>Contemporary European Literature</b>	-	-	<b>1</b>	<b>1</b>
	<b>Art</b>	-	-	<b>1+1</b>	<b>1+1</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN  
 2nd EU Modern Languages  
 SIXTH FORM: Science  
 Modul 1 Biology, Modul 2 Geography

High School Programme 2

**EU LANGUAGES, HUMANISTICS, IT and AI**

5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	<b>Native Language</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
	<b>Mathematics</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
	<b>English</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>3</b>
	<b>2nd EU Language</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	<b>Latin</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>
	<b>History</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	<b>Art</b>	<b>1+1</b>	<b>1+1</b>	<b>1</b>	<b>1</b>
	<b>Social Sciences</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>
	<b>Philosophy</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2</b>
	<b>Physics</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	<b>Science</b>	<b>4+2</b>	<b>2</b>	<b>3+1</b>	<b>3+1</b>
	<b>IT and AI</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>Physical Education and Health</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	<b>Optional Subject</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
B	ADVANCED PART				
	<b>Advanced English</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>
	<b>Contemporary European Literature</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>
	<b>Communication and Media</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
C.	EUROPEAN FORUM				
	<b>Civilship Education</b>				
	<b>The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology, and Social Supports</b>				
	<b>Total</b>	<b>31+2</b>	<b>31+2</b>	<b>30+2</b>	<b>30+2</b>

Sixth Form

Science Modul 1 Biology, Modul 2 Geography



### Programme/or Group 3



**After being educated in Queen Jelena College  
many students excell at the University of medicine in Split and Zagreb**

### SCIENCE, MEDICINE, IT and AI

B.	ADVANCED PART OF EU BEP	-	-	3	4
	<b>Physics</b>	-	-	<b>+1</b>	<b>+1</b>
	<b>Methods of Applied Mathematics</b>	-	-	<b>2</b>	<b>1</b>
	<b>Advanced Physics</b>	-	-	<b>1</b>	<b>1</b>
	<b>Science</b>	-	-	<b>+2</b>	<b>+2</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN

2nd EU Modern Languages

SIXTH FORM

Science Modul 1 Chemistry Modul 2 Biology, Modul 3 Geography

## SCIENCE, MEDICINE, IT and AI

### 5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	Native Language	4	4	4	4
	Mathematics	4	4	4	4
	English	4	4	3	3
	2nd EU Language	2	2	2	2
	Latin	2	2	-	-
	History	2	2	2	2
	Art	1+1	1+1	-	-
	Social Sciences	-	-	1	1
	Philosophy	-	-	1	2
	Physics	2	2	2+1	2+1
	Science	4+1	4+1	5+1	5+1
	IT and AI	2	2	1	1
	Physical Education and Health	2	2	2	2
	Optional Subject	1	1	1	1
<b>B</b>	<b>ADVANCED PART</b>				
	Methods of Applied Mathematics	-	-	2	1
	Advanced Physics	-	-	1	1
	EU Forum: TKCS	1	1	1	1
<b>C.</b>	<b>EUROPEAN FORUM</b>				
	Civilship Education				
	The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology, and Social Supports				
	<b>Total</b>	<b>33+2</b>	<b>33+2</b>	<b>33+2</b>	<b>33+2</b>

### Sixth Form

Science Modul 1 Chemistry, Modul 2 Biology, Modul 3 Geography

## Programme/or Group 4



### COMPUTING, MATHEMATICS, IT and AI

B.	ADVANCED PART OF EU BEP	-	-	3	4
	<b>Mathematics</b>	-	-	+1	+1
	<b>Methods of Applied Mathematics</b>	-	-	2	1
	<b>Computing</b>	-	-	1	1
	<b>Artificial Intelligence</b>	-	-	1	1
	<b>EU Forum: TKCS</b>	1	1	1	1

Native Language: CROATIAN  
 2nd EU Modern Languages  
 SIXTH FORM: Science  
 Modul 1 Biology, Modul 2 Geography

## COMPUTING, MATHEMATICS, IT and AI

### 5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	Native Language	4	4	4	4
	Mathematics	4	4	4+1	4+1
	English Language	3	3	3	3
	2nd EU Language	2	2	2	2
	Latin	2	2	-	-
	History	2	2	2	2
	Art	1+1	1+1	-	-
	Social Sciences	-	-	1	1
	Philosophy	-	-	1	2
	Physics	2	2	2	2
	Science	4+2	4+2	3+1	3+1
	IT and AI	2	2	1	1
	Physical Education and Health	2	2	2	2
	Optional Subject	1	1	1	1
<b>B</b>	<b>ADVANCED PART</b>				
	Methods of Applied Mathematics	-	-	2	1
	Computing	-	-	2	1
	EUForum: TKCS	1	1	1	1
<b>C.</b>	<b>EUROPEAN FORUM</b>				
	<b>Civilship Education</b>				
	<b>The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology, and Social Supports</b>				
	<b>Total</b>	<b>33+2</b>	<b>33+2</b>	<b>33+2</b>	<b>33+2</b>

### Sixth Form

Science Modul 1 Chemistry, Modul 2 Biology, Modul 3 Geography

## Programme/or Group 5



**HVAR**  
(Greek: Pharos)

## ARCHITECTURE, DESIGN and ART

B.	ADVANCED PART OF EU BEP				
	<b>Art</b>	-	-	<b>1+1</b>	<b>1+1</b>
	<b>Theory of Design</b>	-	-	<b>1</b>	<b>1</b>
	<b>Drawing Architecture/ or Applied Design</b>	-	-	<b>1</b>	<b>1</b>
	<b>Communication and Media</b>	-	-	<b>1</b>	<b>1</b>
	<b>EU Forum: TKCS</b>	<b>1-</b>	<b>1-</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN  
2nd and 3rd EU Modern Languages  
SIXTH Form  
Science Modul 1 Biology, Modul 2 Geography

## ARCHITECTURE, DESIGN, ART

5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	<b>Native Language</b>	4	4	4	4
	<b>Mathematics</b>	4	4	4	4
	<b>English Language</b>	4	4	3	3
	<b>2nd EU Language</b>	2	2	2	2
	<b>Latin</b>	2	2	-	-
	<b>History</b>	2	2	2	2
	<b>Art</b>	1+1	1+1	1+1	1+1
	<b>Social Sciences</b>	-	-	1	1
	<b>Philosophy</b>	-	-	1	2
	<b>Physics</b>	2	2	2	2
	<b>Science</b>	4+2	4+2	4+1	4+1
	<b>IT and AI</b>	2	2	1	1
	<b>Physical Education and Health</b>	2	2	2	2
	<b>Optional Subject</b>	1	1	1	1
<b>B</b>	<b>ADVANCED PART</b>				
	<b>Art</b>	-	-	1+1	1+1
	<b>Theory of Design</b>	-	-	1	1
	<b>Drawing in Architecture/ or Applied Design</b>	-	-	1	-
	<b>EU Forum: TKCS</b>	1	1	1	1
<b>C.</b>	<b>EUROPEAN FORUM</b>				
	<b>Civilship Education</b>				
	<b>The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology and Social Supports</b>				
	<b>Total</b>	<b>31+2</b>	<b>31+2</b>	<b>30+2</b>	<b>30+2</b>

## Programme/or Group 6



KORČULA  
Greek: Korkyera

### BUSINESS, ECONOMY, IT and AI

<b>B.</b>	<b>ADVANCED PART OF EU BEP</b>	-	-	<b>4</b>	<b>4</b>
	<b>Politics, Economy and Business</b>	-	-	<b>1</b>	<b>1</b>
	<b>Financial Mathematics</b>	-	-	<b>2</b>	<b>1</b>
	<b>Commjnkcation and Media</b>	-	-	<b>1</b>	<b>1</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN  
2nd EU Modern Languages  
SIXTH FORM: Science  
Modul 1 Biology, Modul 2 Geography

High School Programme 6

BUSINESS, ECONOMY, IT and AI

5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	<b>Native Language</b>	4	4	4	4
	<b>Mathematics</b>	4	4	4	4
	<b>English Language</b>	4	4	3	3
	<b>2nd EU Language</b>	2	2	2	2
	<b>Latin</b>	2	2	-	-
	<b>History</b>	2	2	2	2
	<b>Art</b>	1+1	1+1	-	-
	<b>Social Sciences</b>	-	-	1	1
	<b>Philosophy</b>	-	-	1	2
	<b>Physics</b>	2	2	2	2
	<b>Science</b>	4+2	4+2	3+1	3+1
	<b>IT and AI</b>	2	2	1	1
	<b>Physical Education and Health</b>	2	2	2	2
	<b>Optional Subject</b>	1	1	1	1
B	ADVANCED PART				
	<b>Financial Mathematics</b>	-	-	1	1
	<b>Politics, Economy and Business</b>	-	-	2	1
	<b>Communication and Media</b>	-	-	1	1
	<b>EU Forum: TKCS</b>	1	1	1	1
C.	EUROPEAN FORUM				
	<b>Civilship Education</b>				
	<b>The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology and Social Supports</b>				
	<b>Total</b>	<b>33+2</b>	<b>33+2</b>	<b>32+2</b>	<b>32+2</b>

Sixth Form

Science Modul 1 Biology, Modul 2 Geography



## Programme/or Group 7



Dubrovnik  
Lat.: Ragusinum

### EUROPEAN STUDIES, SOCIETY, IT and AI

<b>B.</b>	<b>ADVANCED PART OF EU BEP</b>	-	-	<b>4</b>	<b>5</b>
	<b>3rd EU Language</b>	-	-	<b>2</b>	<b>2</b>
	<b>European Studies</b>	-	-	<b>1</b>	<b>1</b>
	<b>Philosophy of Religions</b>	-	-	<b>2</b>	<b>1</b>
	<b>Communication and Media</b>	-	-	<b>1</b>	<b>1</b>
	<b>EU Forum: TKCS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

Native Language: CROATIAN  
2nd EU Modern Languages  
SIXTH FORM: Science  
Modul 1 Biology, Modul 2 Geography

## EUROPEAN STUDIES, SOCIETY, IT and AI

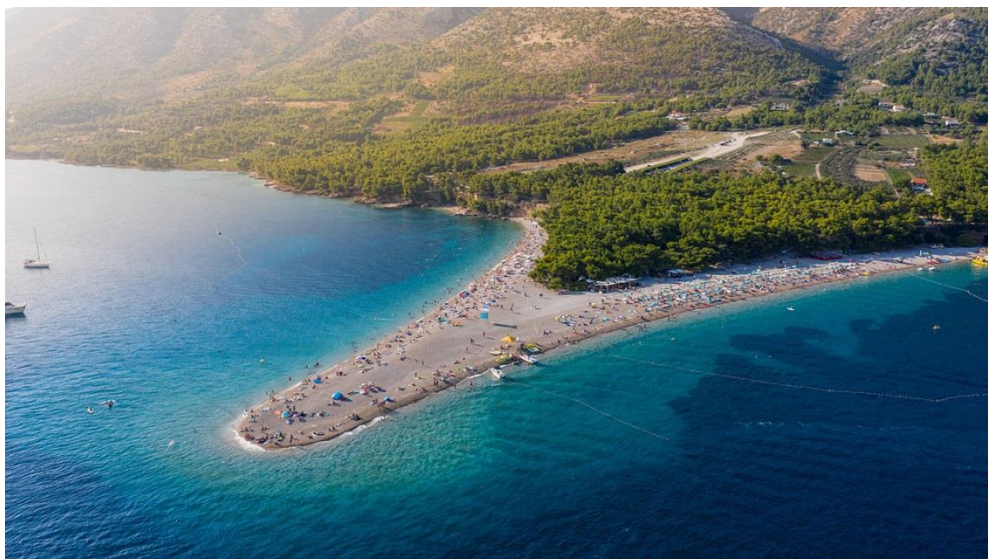
### 5th and 6th Form

A	FUNDAMENTAL PART	YEAR			
		I.	II.	III.	IV.
	Native Language	4	4	4	4
	Mathematics	4	4	4	4
	English Language	3	3	3	3
	2nd EU Language	2	2	2	2
	Latin	2	2	-	-
	History	2	2	2	2
	Art	1+1	1+1	-	-
	Social Sciences	-	-	1	1
	Philosophy	-	-	1	2
	Physics	2	2	2	2
	Science	4+2	4+2	3+1	3+1
	IT and AI	2	2	1	1
	Physical Education and Health	2	2	2	2
	Optional Subject	1	1	1	1
B	ADVANCED PART				
	3rd EU Language	-	-	2	2
	European Studies	-	-	1	1
	Philosophy of Religions	-	-	2	1
	Communication and Media	-	-	1	1
	EU Forum: TKCS	1	1	1	1
C.	EUROPEAN FORUM				
	Civilship Education				
	The CEEESS Programme of Free Action and Workshops in Creativity, Education, Ethics, Ecology and Social Supports				
	<b>Total</b>	<b>31+2</b>	<b>31+2</b>	<b>30+2</b>	<b>30+2</b>

### Sixth Form

Science Modul 1 Biology, Modul 2 Geography

**ZLATNI RAT  
EUROPSKI POZNATA PLAŽA**



**OTOK BRAČ ISPRED SPLITA**

**MEDITERRANEAN  
CROATIA**



**NP Brijuni**

**Grad Pula**

**NP Mljet**



SVEUČILIŠTE U ZAGREBU  
UNIVERSITAS STUDIORUM  
ZAGRABIENSIS

Zahvaljujem na pismu 20. svibnja i ljubaznoj ponudi da budem član Int'l Advisory Board i vanjski "gostujući-profesor" za predmet Physical Sciences na Kolegiju "Kraljica Jelena" u Splitu.

Sa zadovoljstvom prihvaćam obje ponude radujući se da ću svojim doprinosom pripomoci da se ova zamisao ostvari.

Zagreb 5. lipnja 1994. godine

prof. dr. sc. Akeksa Bjeliš

rektor Sveučilišta u Zagrebu,  
redoviti profesor teorijske fizike  
na PMF-u Sveučilišta u Zagrebu



SVEUČILIŠTE U SPLITU  
UNIVERSITAS STUDIORUM  
SPALATENSIS

Spomenuti projekt omogućava učenicima poticanje kreativnosti pa se tako posebna pažnja pridaje umjetnosti i ostalim oblicima izražavanja svih osobnih potencijala, računajući ne samo tekstualno i verbalno izražavanje. Takvim odgojem koji vodi računa i o osobnim nadahnućima učenika obrazuju se mladi ljudi koji će steći samosvijest i pravo na kreativni stav prema svijetu, posebno prema neposrednom socijalnom okruženju.

Split, rujan 2001. godine

prof. dr. sc. Ivo Babić

rektor Sveučilišta u Splitu 8 (2001.),  
red. profesor povijesti umjetnosti  
na FF-U Sveučilišta u Splitu



I am very pleased indeed to accept your invitation to become a member of the Advisory Board of Queen Helena's College, and look forward to cooperating with you".

May 6th, 1994

Dr. Kathleen V. Wilkes,  
OXFORD UNIVERSITY



EMBASSY OF THE  
UNITED STATES OF AMERICA  
Zagreb, Croatia

I am impressed by your initiative and determination to found a top-quality school in Split, especially on a private, non-profit basis. Many of America's best educational institutions were founded in just a way".

January 20th, 1994

Peter W. Galbraith

## IN MEMORIAM



**Diploma in Math,  
MaD and PhD at University of Zagreb  
Professor of Mathematics and Applied Math at  
University of Split  
Principal of Queen Jelena College in Split  
(co-Founder and adviser of Queen Jelena College)**





Svjetski poznati japanski znanstvenik prof. dr. sc. Kenzo MYAZAKI  
pored sarkofaga hrvatske kraljice Jelene (d. 976 A.D.)  
MHAS u Splitu

#### CONCLUSION

Based on many century-long values of the Croatian historical and contemporary gymnasium, the contemporary values of the Mediterranean education and the acquired knowledge in cooperation with the renowned Croatian and world-wide famous scientists, this modern Croatian-European gymnasium programme has been created for the education of new Croatian and European potentials, aiming at building modern European Union in the new digital society of the 21st century.

#### ACKNOWLEDGEMENT

Long-lasting acknowledgement to the colleagues in the Kraljica Jelena Gymnasium, as well as the renowned Croatian and world-wide famous scientists for their valuable contribution to the new advanced ST-HAM educational programme of the Croatian and European school of the 21st century.

Ivan Plazibat

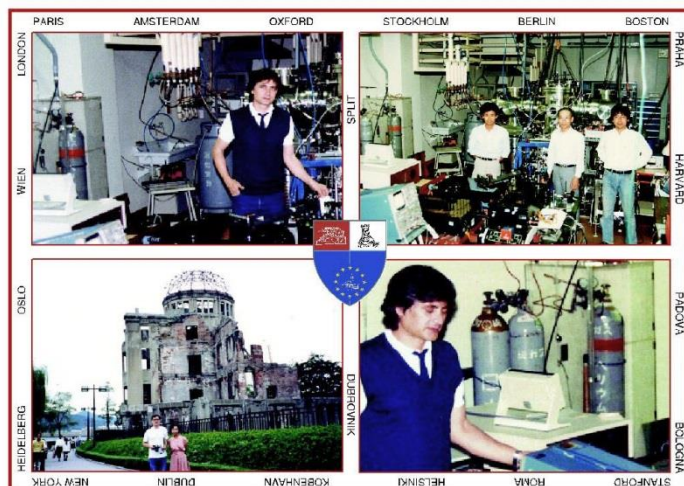
## SCIENCE, ADVANCED EDUCATION and CULTURE



Nobelovac J.C. Polanyi  
(Toronto Univ., Canada)

Unaprijeđene nastave fizike  
u gimnaziji u Splitu

Professor Kenzo Miyazaki  
ETL/Tsukuba Science City



Professor Robb J. Grover  
BNL/USA

St Clare's / St Hilda's Oxford

IMS, Japan

U društvu kineske znanstvenice  
Academia Sinica / Peking

Tokyo University

Head of Project

### Coherent High Power IR - VUV/XUV Nonlinear Light Sources

Time of Flight PES of Quantum States

OKAZAKI

Nat'nk Research Institutes of Japan



**Kolegij kraljice Jelene  
Nodilova 1  
HR-21 00 Split**

**Telefon +(0)21 321 222 Mobitel +385/ (0)91 321 22 21**

