

EUROPEAN SCHOOL  
KARLSRUHE

*Primary & Secondary*

# Challenge Programme

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And  
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# 1. Framework

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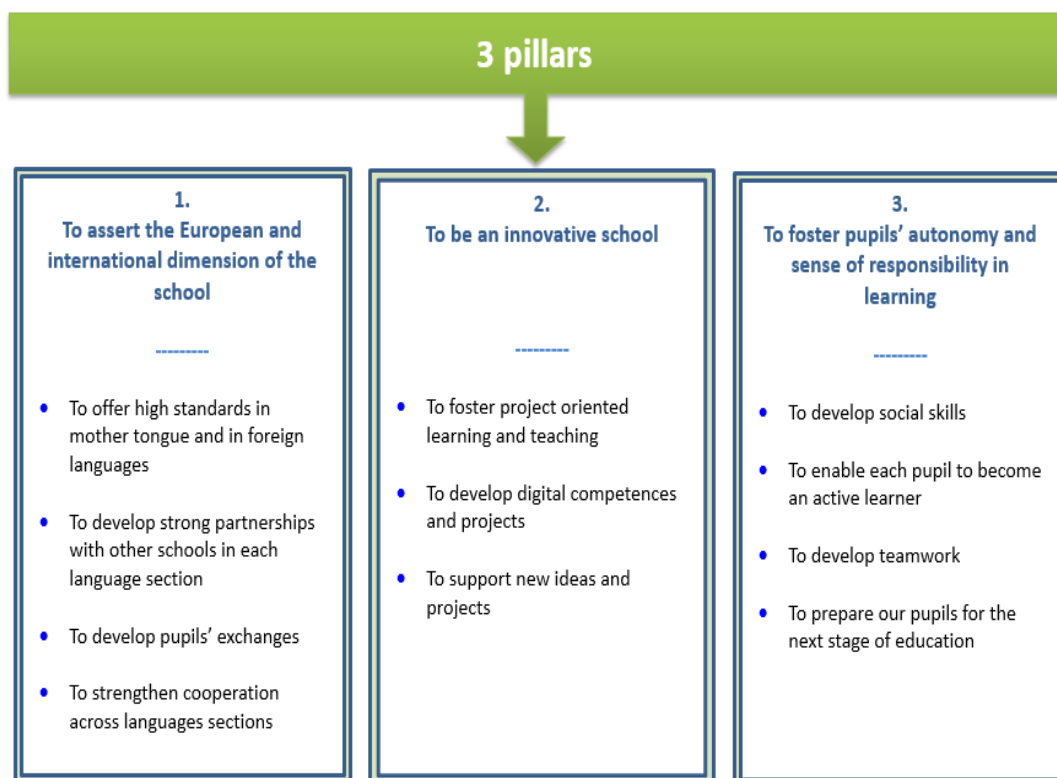
## 1.1. Context

### 1.1.1. Mission of the European School

The mission of the European School Karlsruhe is to provide, in a safe environment, a high-quality multilingual and multicultural education for Nursery, Primary and Secondary level pupils and to give each pupil the best possibilities to develop her/his individual personalities and potential based on key competences. Furthermore, the mission is to let the JRC-Karlsruhe, the Technology Region Karlsruhe and the Land Baden- Württemberg benefit from the presence of ESK.

### 1.1.2. Vision in teaching and learning of the European School Karlsruhe

A common vision in teaching and learning is developed in the School, based on 3 specific pillars (Ref. *Multi-Annual School Development Plan 2019-2021*):



### 1.1.3. *Educational Support in the European School*

In the European Schools, “different forms and levels of support are provided, designed to ensure appropriate help for pupils experiencing difficulties and having special educational needs at any point in their school career, to allow them to develop and progress according to their potential and to be successfully integrated” (*Policy on the Provision of Educational Support in the European Schools*, Ref.: 2012-05-D-14-en-9).

## 1.2. General aims of the Challenge Programme

Normal daily classroom differentiation should cater for all children, including those of higher ability. The challenge programme is an extension to what is already being provided by the class and subject teachers in our school.

The Challenge Programme is an opportunity for gifted but also talented and motivated pupils to develop their potential, through extra activities and projects. At the European School Karlsruhe, the *Challenge Programme* is a part of and funded by the Educational Support budget.

## 1.3. Organisational Principles

### **Pupil profile to attend the Challenge Programme:**

- Gifted or talented pupils/students
- High achievers
- Highly motivated pupils/students

### **The Challenge Programme consists of 3 Parts:**

- 1) Differentiated activities for these pupils in the classroom during the normal lessons
- 2) The general aims of the programme is to enhance the learning of gifted or talented pupils by developing some of their areas of talent/interest at the same time acknowledging and providing support for the specific areas children may have difficulties with. (social skills/ empathy, life skills/ autonomous learning and the need for ongoing pastoral care)
- 3) Extra lessons in specific areas are provided for the target pupils

### **Procedure:**

- Class teachers recommend pupils for the Challenge Programme extra lessons.
- An advisory group including the support coordinators decides upon the availability and participation. There are a limited number of places available. Available courses may change over time.
- The Director approves the proposal of the advisory group
- When the advisory group have finalised the pupil list, the parents of those children are informed about the opportunity (This is not an afterschool activity like those offered by the Parent’s Association where parents register their child themselves)

## 2. Organisation and offer for 2020-2021

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### Differentiation:

Differentiation forms the basis of effective teaching. It is essential for all pupils, including those pupils requiring support. Differentiated teaching aimed at meeting all the pupils' needs is the responsibility of every teacher working in the European Schools and must be common classroom practice. Differentiated teaching ensures that in planning and delivering lessons, teachers are aware of and take into consideration the different learning styles and individual needs of all pupils.

(Ref.: 2012-05-D-14-en-9)

Differentiation is therefore the first and common response to stimulate and nurture talented and motivated pupils in both the primary and the secondary school.

### 2.1. PRIMARY SCHOOL

#### Existing Provision:

- **Visual arts:** Volksbank art competition, art gallery trips, art and drama EU hours groups
- **Music and dance:** High ability children in music and art are recommended to take extra outside lessons. Choir and EU dance groups during EU hours, various performances throughout school year, Christmas, Sommerfest, choir festival, harmonic tower performances
- **Sports:** Kinder marathon, athletics, swimming and basketball competitions
- **Creative and productive thinking/entrepreneurship/leadership:** Film club, newspaper, choir, class representatives
- **Mechanical Ingenuity/Logical Thinking/Maths/Scientific/ICT:** Robotics, film club, JRC Scientists yearly lessons in lab including experiments classes 1-5
- **Kangaroo maths, Matific** for ICT and maths

#### New Provision 2020/2021: 3 Extra Lessons

- **Mechanical Ingenuity/Logical Thinking/Maths/Scientific/ICT:**  
The program focuses on the development of thinking skills in a general and mathematical sense. Pupils discover and explore more logical-mathematical relationships beyond regular mathematics education.  
**Project leader:** Frau Proppe
- **Creative and productive thinking/entrepreneurship/leadership:**  
This is a project based lesson in which pupils have an opportunity to explore a chosen topic in depth. IT will play a large role in the learning situation, both for research and presentation.  
**Project leader:** Frau Braun

- Mechanical Ingenuity/Programmation/Robotics/ICT:

The program focuses on the development of thinking skills by using Robotics, starting with basics programming concepts and simple challenges. Pupils learn to recognize patterns in tasks and automate by working with maqueen robots. *Have fun while learning* is the motto of this group.

**Project leaders:** Mrs Madappa and Mr Suryanarayana

- **Considerations:**
  - To avoid pupils not following the required subjects and lessons laid down in the general rules for the European schools, **the 3 extra lessons are scheduled on Wednesday afternoons.** (Outside of the regular timetabled lessons)
  - **The target group are pupils in P3-P5**, but in rare and exceptional cases, pupils from P2 can be recommended by class teachers. The focus of the groups may change and/or additional groups created depending on our findings. A record of pupils participating in the extra lessons on Wednesday will be kept by the support coordinators.

## 2.2. SECONDARY SCHOOL

- **Cross-sectional, cross-disciplinary and age-related**
- **In the secondary school, pupils with special skills or those who are highly motivated can be supported by participating in the Challenge programme.**
- Beside the regular projects offered in the secondary school, such as the [European School Science Symposium](#), [Model European Council](#), [FAME](#), [EUROSPORT](#), [Model of United Nations](#), [LEGO MINDSTORMS](#), [Arduino](#) or [school first aiders](#), pupils will be able to participate in specific projects every semester for the Challenge programme. Important people in public life (journalists, artists, politicians, scientists ...) will be invited to our school for this purpose.

### New Provision 2020/2021:

- **Book Club:**  
Students develop their skills in advanced verbal discussion and critical analysis through the enjoyment of reading various texts that are literary in nature.  
Leader: Ms. Graner
- **Creative Writing:**  
Approach the writing in its artisan aspects, transforming the reader into an author. Writing work will focus on writing about oneself and transfigure autobiographical writing into the narrative invention of a story.  
Project Leaders: Ms. Raucci
- **Develop an application in Python language:**  
Develop a Python programme that can be used by teachers to assess students' skills.  
Project Leader: Mr. Saggiotto
- **Eine Welt für alle/One World for all, our ideas of a future living together in our one world**  
High-achieving and motivated pupils stand up for their values and develop dialogue about the ecological and social implications of our current lifestyle as well as action initiatives to implement in our school.  
Projects in collaboration with our partner school EPCM in Bujumbura and Gitega (Burundi).  
Project leader: Ms. Oehm

- **Fahrradwerkstatt/Bike Workshop:**  
Make a diagnosis and repair bikes, maintain the school bikes and produce a multilanguage handbook about bike maintenance and repair.  
Project Leaders: Ms. Viehmann
- **Journalists' Club:**  
Conduct interviews, make coverages, write reports, compile and publish a school newspaper, produce podcasts, webcasts, video blogs.  
Project Leaders: Ms. Menu, Mr. Fastner
- **Maths for the future:**  
Use MyiMaths computer package and practical problems to develop higher order maths skills. Potential participation in residential visits.  
Project leader: Mr. Rowlands
- **Parcours d'excellence en latin/ Course of excellence in Latin:**  
Extend the study of Latin beyond S3 with motivated and committed students in order to participate in the 2021 edition of the European Latin-Greek Festival in Lyon, France.  
Leader: Mr. Maffre
- **Photo Labor/Photo Lab:**  
Explore the main methods and techniques of digital photography as well as some aspects of analogue photography, use ambient light and artificial lighting. Learn about the main photographic styles and how to use these in the service of an artistic intention.  
Leader: Mr. Grandjanin, Ms Lang
- **School Band:**  
Play, practice, record and perform rock songs. Learn about instrumental advanced techniques, sound techniques and the organization and production of professional recording and shows.  
Leader: Mr. Escarate, Mr. Muller
- **Theatre clubs for French speakers:**  
"Mise en scène de La Dispute (1744) de Marivaux"  
Discover the 18th century French literature, learn and play a text, produce a film of the play.  
Project leader: Mr. Chevalier