

MySEK

Our virtual learning ecosystem



A brief history

In 2015 SEK Education Group saw the need to design a virtual work environment that went beyond what was then considered a conventional learning platform. We already thought, at that time, glimpsing what the future would bring, that our students and teachers would need a personalised digital space that would allow them to work and study, alone or collaboratively, at any time and from anywhere. Therefore, we set about building an environment in which teachers and students were able to find all the tools, academic content, resources and information they needed for their work and to collaborate with classmates and colleagues.

That vision led us to develop MySEK. And our efforts have meant that we can today ensure that our students continue to enjoy as rich and varied learning experience as possible during the current lockdown.

Today's MySEK 1.0 features twenty-five integrated tools. Twenty-five specific software licenses integrated in the same space. So MySEK is much more than a virtual learning platform, it is a personalised environment that amplifies the possibilities of online work.

Technical features

MySEK is a one-of-kind education platform, the only one of its kind in the sector, and the fruit of years of R&D work. It was created by a multidisciplinary team of computer engineers, specialists in educational technology, teachers and counsellors.

A proprietary development by SEK Education Group, it is purpose built with the latest available technological advances and hosted in the Azure cloud, with microservices architecture, Kubernetes, Graph, Big Data and RPA processes.

The platform acts as a hub for both own and third party education and technology tools. This way, all users -students and teachers- can access a multitude of resources and applications with a single sign-on Azure ID.

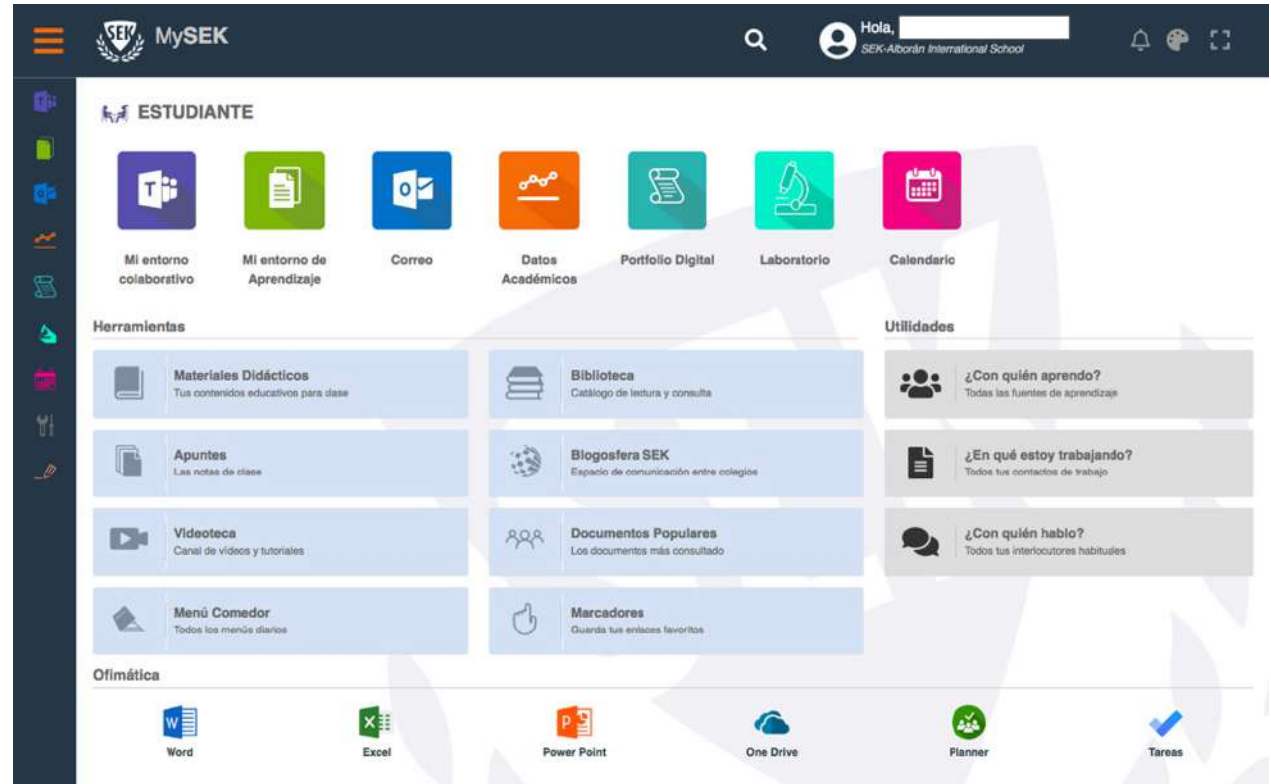
The platform's Data Lake contains all the marks from the past 25 years, resulting from a major standardisation and data management process.

Likewise, MySEK is capable of housing large quantities of information and evidence of learning, allowing us to take the first steps towards using artificial intelligence and advanced learning analytics. All this to meet the needs of each of our students and ensure the success of their educational process.

During the COVID-19 crisis, thanks to our IT and technology infrastructure and our teachers' digital skills, we have been able to ensure the continuity of distance learning for each student.

All our students have a **single username** that allows them to sign-on to their work environment.

When entering their email and password they access a **desktop** with **25 different functionalities**.

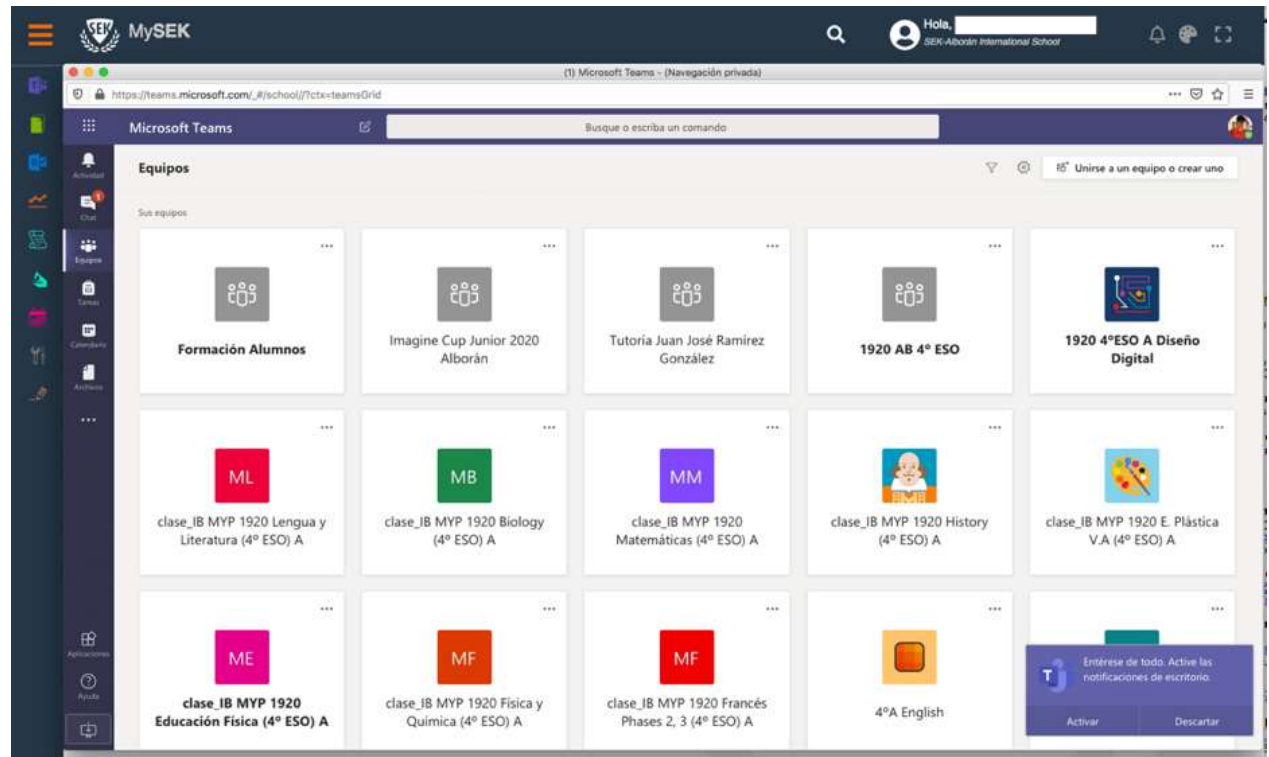


Our Community generates a huge amount of valuable content, so we have developed a **metasearch engine** to index and locate any type of resource that a student may need. When launching a search (we have used the term "Pythagoras"), all those references that match the term will appear. The explanatory fact sheet includes all of the information needed by students. Just select the link to access that specific resource.

The screenshot shows the MySEK search interface. At the top, there is a search bar with the text '176 resultados' and a user profile for 'Holia, SEK-Abodón International School'. On the left, a sidebar contains a search filter section titled 'FILTRAR RESULTADOS' with a search icon and the text 'Buscar: Pitágoras'. Below this, there are three dropdown menus for 'TIPO', 'ÁREA DE CONOCIMIENTO', and 'CONTEXTO EDUCATIVO', along with a 'FILTRAR' button and a 'Limpiar filtros' link. The main content area displays three search results, each with a document icon, a title, a type, a date, and a summary. The first result is 'U6_PA12ESO_Apuntes_Geometria.pdf' (2.8 MB) from NGL, updated on May 14, 2018. The second is 'Contenidos_matemáticas_examen_final__2°eso.doc' (1.6 MB) from AGM, updated on May 30, 2018. The third is 'U6_3PA12ESO_Apuntes_Geometria.pdf' (2.8 MB) from NGL, updated on May 25, 2018. Each result includes a detailed 'Resumen' section with specific curriculum details.

Students can access **Microsoft Teams** from their **Collaborative Environment**, Teams is probably the most all-round tool for promoting **collaborative work**.

From the start of the year, all the education cycles, subjects and classes are synchronised so that students and teachers find the work groups already set up.



In My learning environment students can access the LMS, the IB Learning Management System. A space in which they share content, work calendars and tasks with their teachers.

The screenshot displays the ManageBac LMS interface for a student. The browser address bar shows the URL <https://sekalboran.managebac.com/student>. The page title is "ManageBac | Tablero de Control - (Navegación privada)".

The main content area is titled "Tablero de Control" and features a calendar for the "Próximas 2 semanas" (Next 2 weeks). The calendar shows events for the following dates:

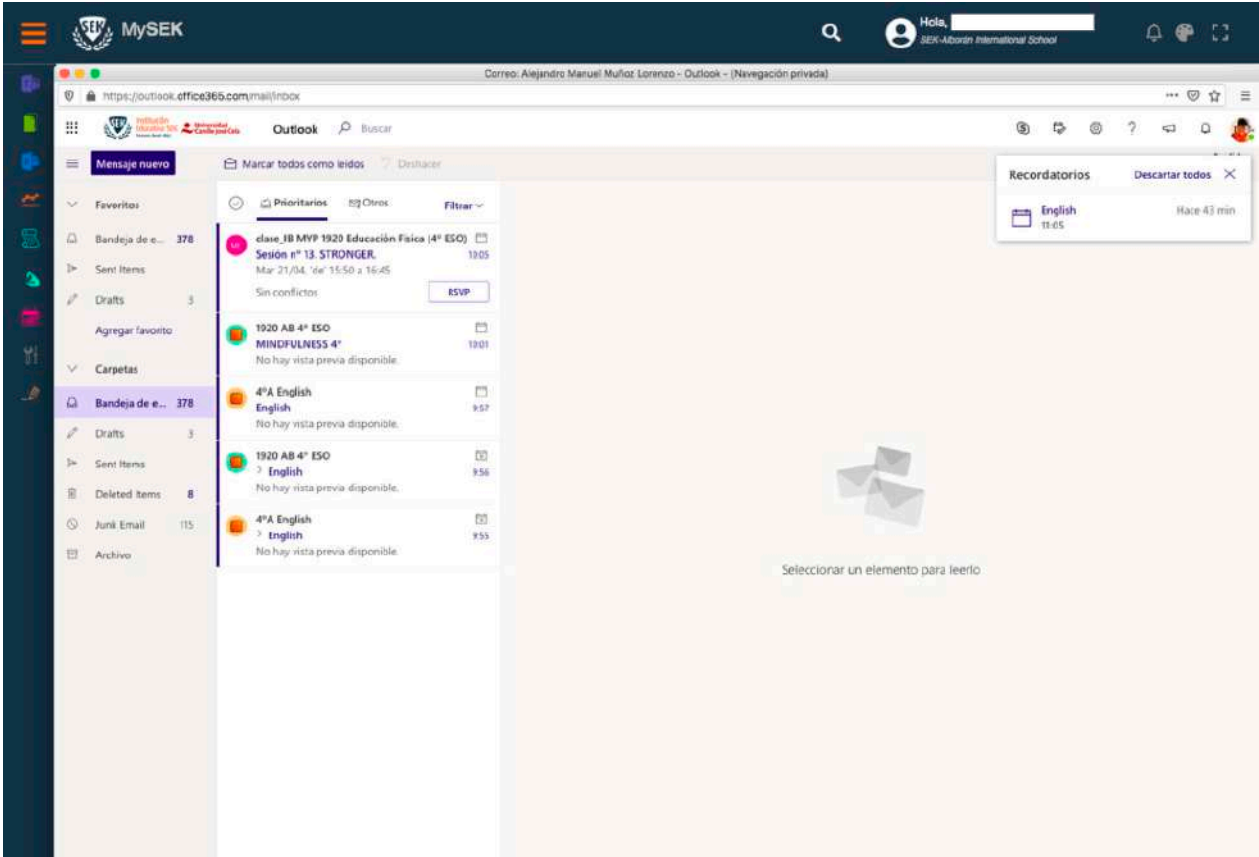
- Monday, 21: 3:30PM Sesión nº 13. Stronger. IRON. (Formative, Formative); 11:55PM Livre pages 40 et 41.
- Tuesday, 22: 8PM Welcome to my culture! (Formative, Formative); 8PM Smart Cities: Misión y Cliente objetivo (Formative, Formative); 8PM Smart Cities: Trabajo con Canva (Formative, Formative); 3:00PM Pages 46 et 48 (Formative, Formative); 5:00PM Smart Cities: Trabajo con Canva (Formative, Formative); 5:00PM Día del Libro 2020 (Formative, Formative).
- Wednesday, 23: 12:20PM Civilisation (livre pages 48 et 49) (Formative, Formative); 12:20PM Civilisation (livre pages 48 et 49) (Formative, Formative); 12:20PM Civilisation (Formative, Formative).
- Thursday, 24: 9:40AM Cuestonari Maratona (Formative, Formative); 4PM ENTREGA DE LAS FOTOS DE LA SESIÓN 9 Y DE LA SESIÓN 10 (Formative, Formative).
- Friday, 25: 4PM ENTREGA DE LAS FOTOS DE LA SESIÓN 11 Y DE LA SESIÓN 12 (Formative, Formative).

Below the calendar is a section titled "Upcoming Events or Deadlines" with a list of events:

- 20 Sesión nº 13. Stronger. IRON. (Formative, Formative) - lunes at 3:50 PM
- 20 Livre pages 40 et 41 (Formative, Formative) - lunes at 11:55 PM
- 21 Welcome to my culture! (Formative, Formative) - martes at 5:00 PM
- 21 Smart Cities: Misión y Cliente objetivo (Formative, Formative) - martes at 5:00 PM
- 22 Pages 46 et 48 (Formative, Formative) - miércoles at 3:00 PM
- 22 Smart Cities: Trabajo con Canva (Formative, Formative) - miércoles at 5:00 PM
- 23 Día del Libro 2020 (Formative, Formative) - Todos el Día
- 23 SA Servicio al action (Formative, Formative) - Todos el Día
- 23 Civilisation (livre pages 48 et 49) (Formative, Formative) - Jueves at 12:20 PM

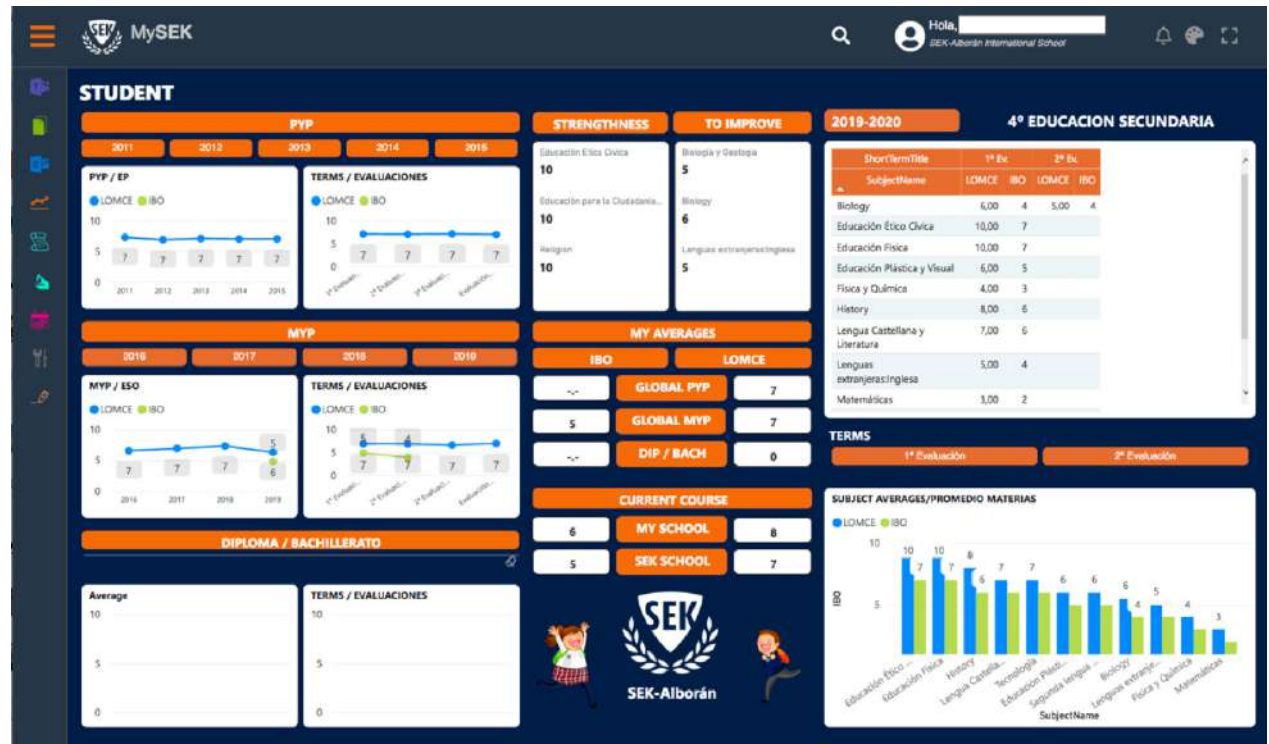
The interface includes a sidebar with navigation options: "Agregar rápidamente", "GENERAL" (Tablero de Control, Calendario, IB Manager), and "ACADÉMICOS" (Casos, Portafolio, Reportes, Reflexiones, Grupos). The right sidebar shows the user's profile, "Guía Estudiantil", "PADRES", "CLASE", "MYP ADVISOR", "CONTACTOS CLAVES", and "Subject Centre" (Default Deadlines, Default Exams, Theory of Knowledge, Extended Essay, Creativity, Activity & Service, Resources).

Every student has access to their **email account**.

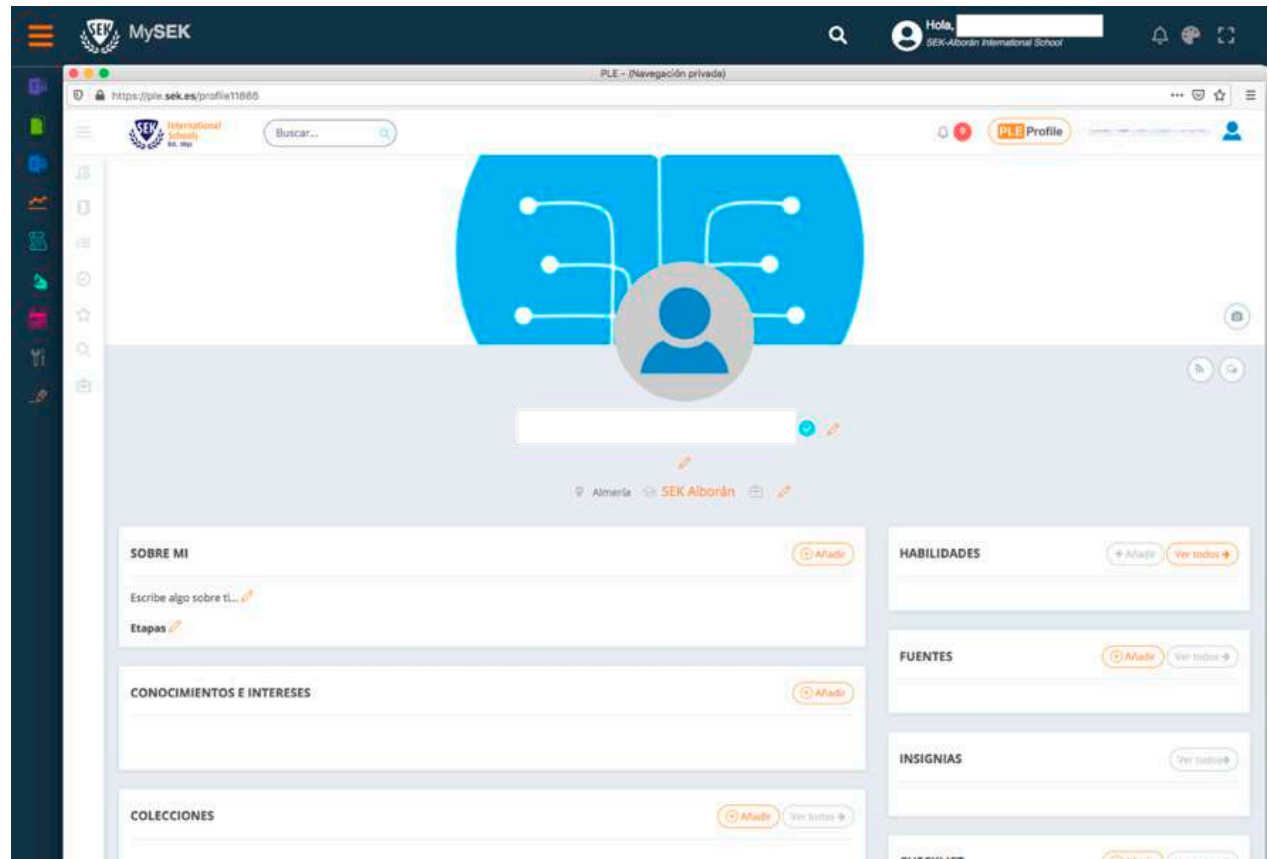


They can also view their own private **set of indicators that outline their academic evolution over time.**

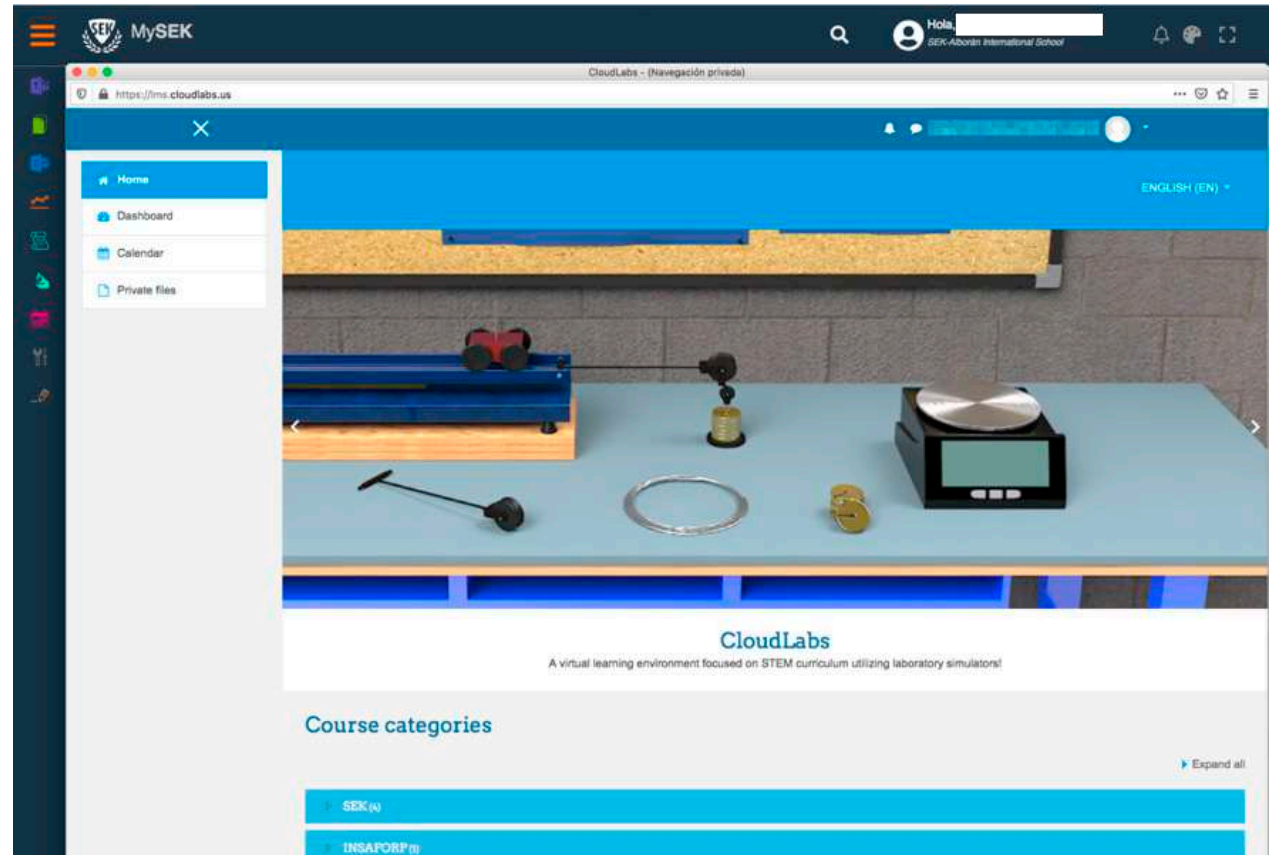
We believe that the **Academic data** tool constitutes an exceptional means of support because it allows students to discuss with their teachers and tutors what should be improved or rectified, thus allowing them to take an active role in their own learning process. It also allows us to foresee possible individual needs for our guidance departments to intervene using the appropriate protocols.



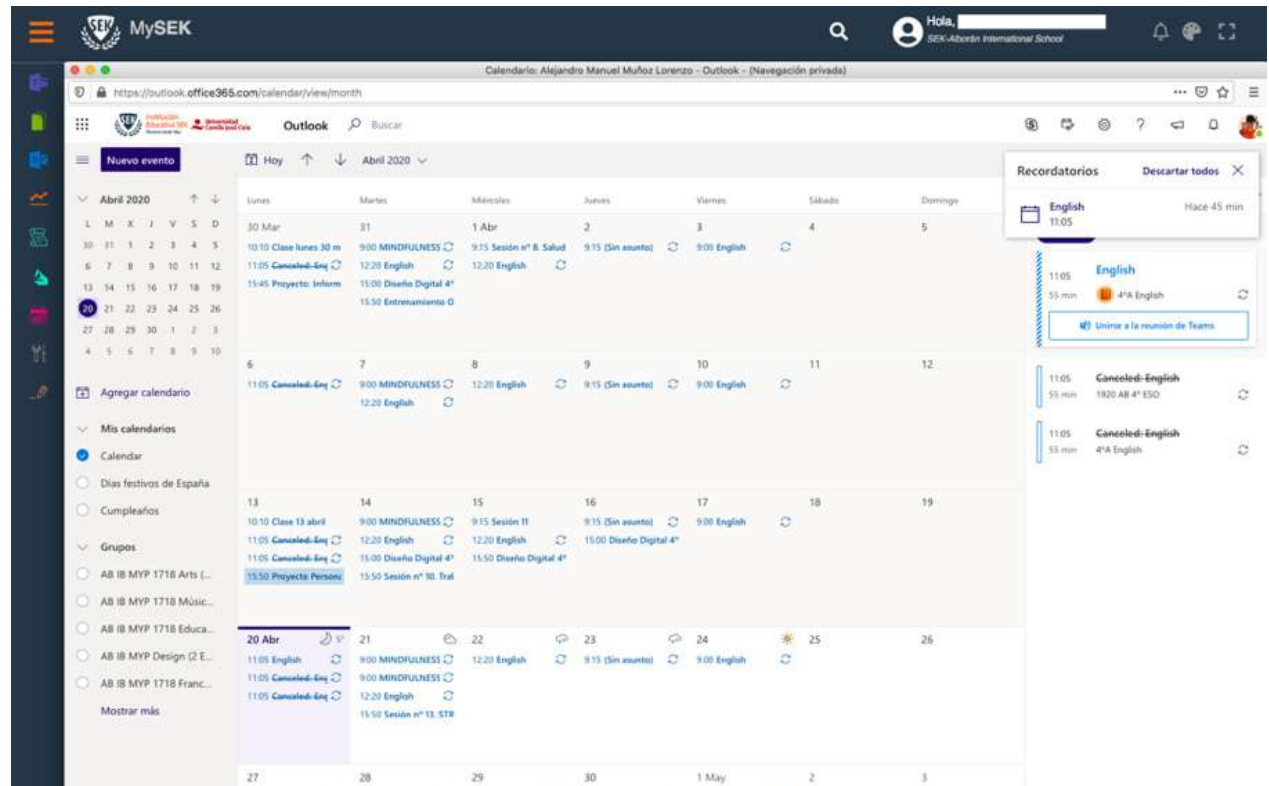
Our students carry out numerous activities beyond the demands of national and international curricula. Our aim is to train citizens with global competencies that allow them to successfully face an uncertain future. Collecting all evidence of learning over their school life is essential because they will reflect skills and aptitudes just as important, or more so, than those of a conventional curriculum. In their **Digital Portfolio** our students have a **unique portfolio containing all the evidence of their individual learning process** (no data appears in the image opposite to ensure anonymity).



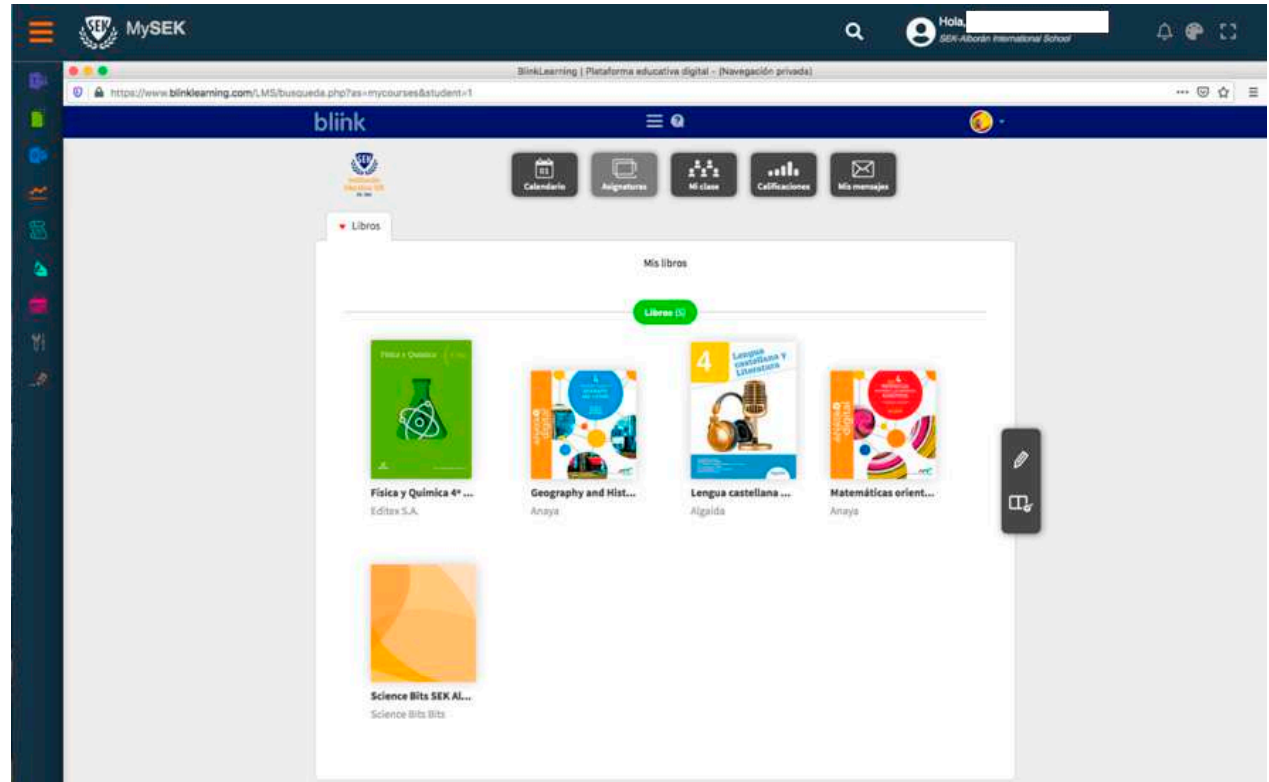
SEK places special emphasis on STEM disciplines (Science, Technology, Engineering & Mathematics). During this lockdown, many of the projects that normally take place in maker spaces cannot be carried out. Which is why we have added a new software platform to MySEK specially designed to simulate experiments for all these disciplines. This **virtual laboratory allows unlimited simulation of scientific experiences** just like a real one.



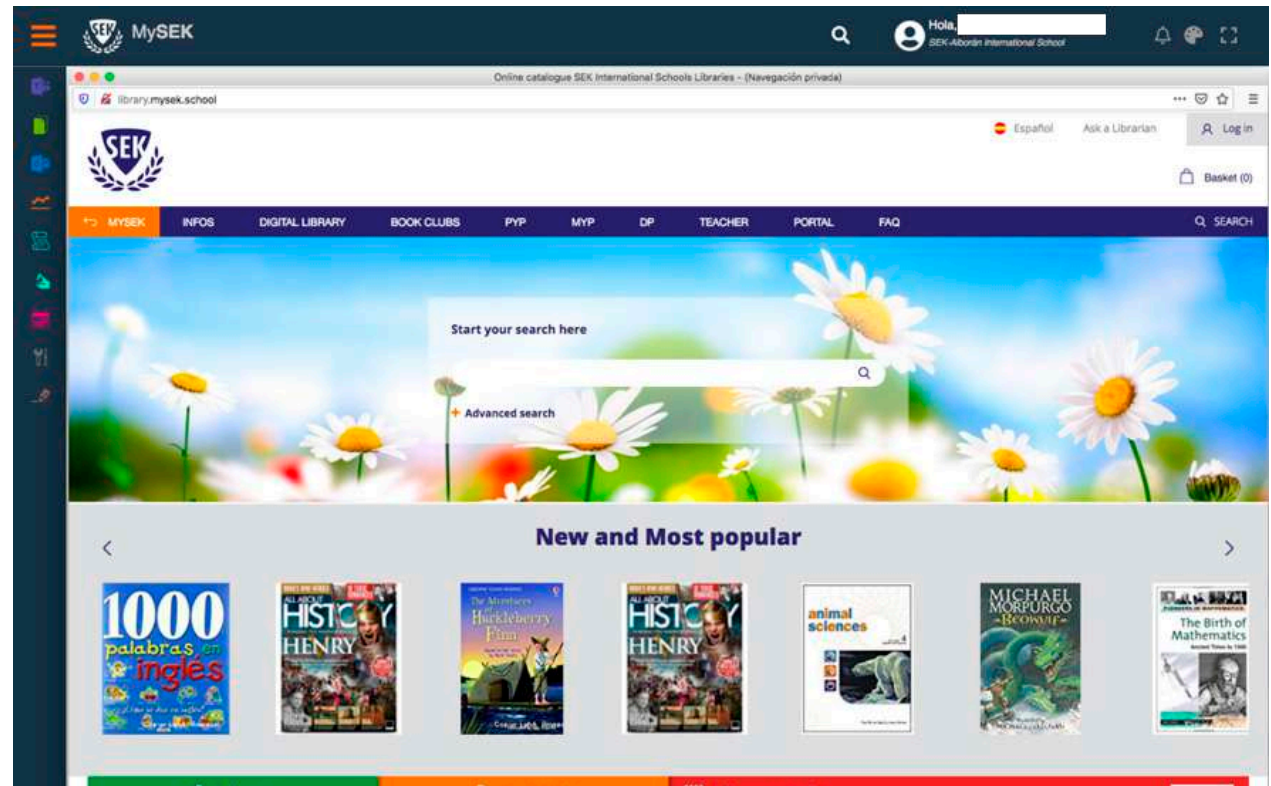
Each of our students has a **personal calendar** that features, from the beginning of the year, their class timetables, tasks, exams and coursework deadlines. It is essential, particularly in a virtual work environment, to clearly mark and signpost shared work milestones.



Each of our students has a **virtual bookshelf** with those **digital textbooks** that they will need throughout the year. Thanks to our special deals with the textbook publishers with which we work, we have set up a one-stop shop for our students to access all the **teaching materials** they may need.

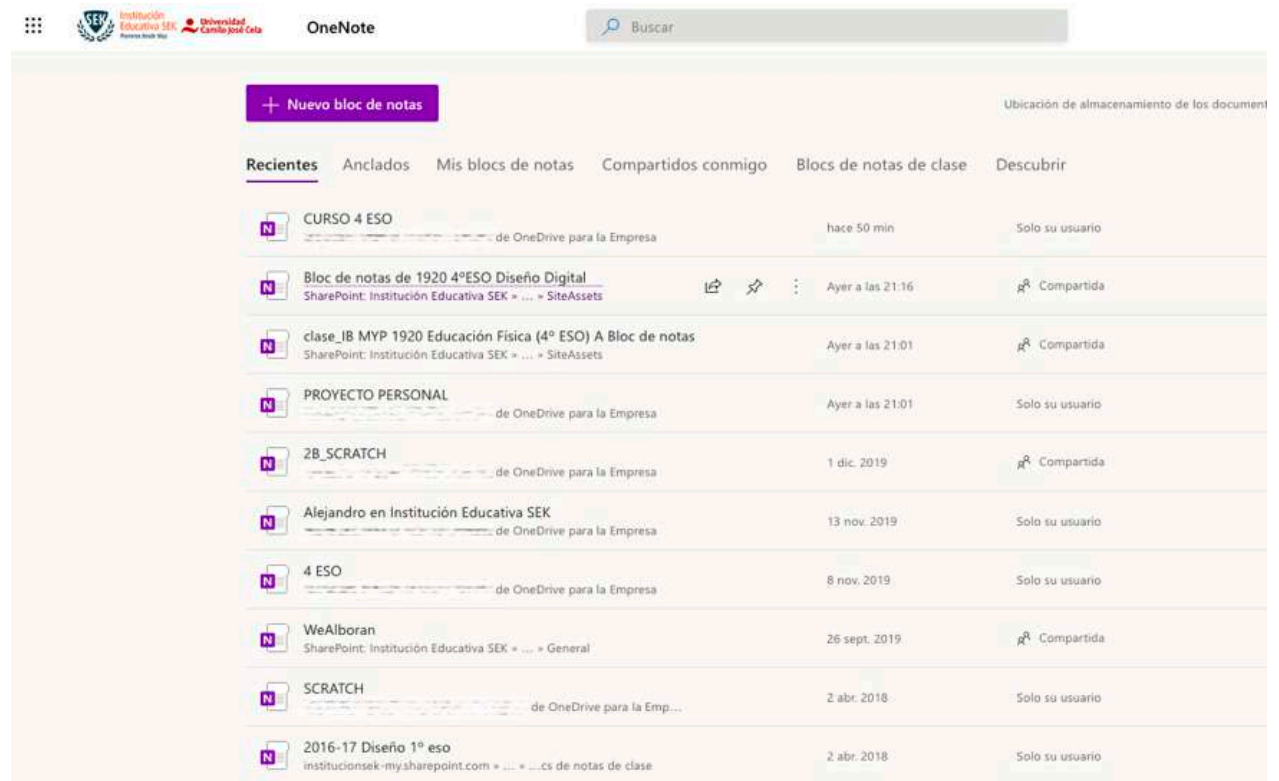


Our students also have access to **centralised catalogue of all the resources** -digital and analogue- that are housed in our **school libraries**. Any student can locate and use the resources on our network.



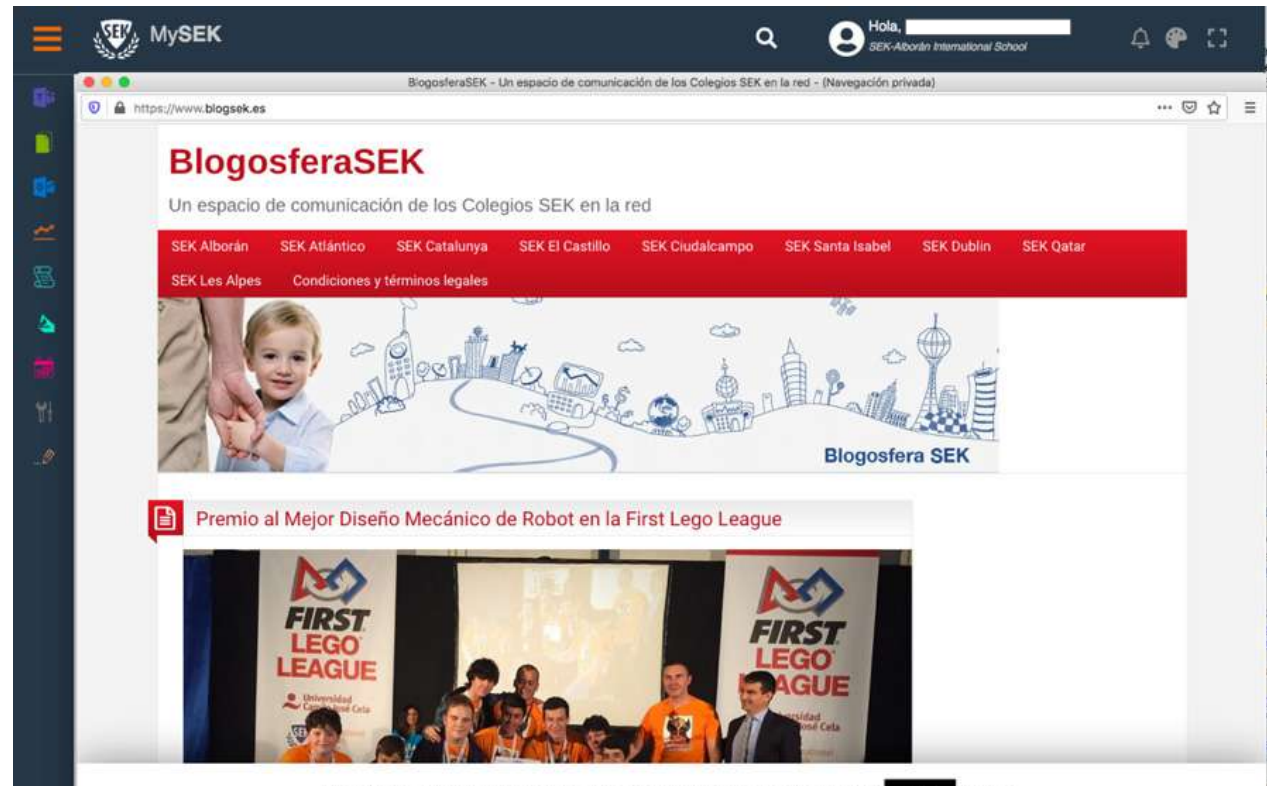
Each student has an individual **Notebook** in which they can collect evidence of their learning process: texts, images, drawings, videos, audio files, annotations... Everything can be added to **OneNote**.

OneNote has the added advantage that it can be shared. From the start of the academic year notebooks are automatically synchronised so that in each stage, subject and class teachers and students can share notes, content, questions, answers, etc.

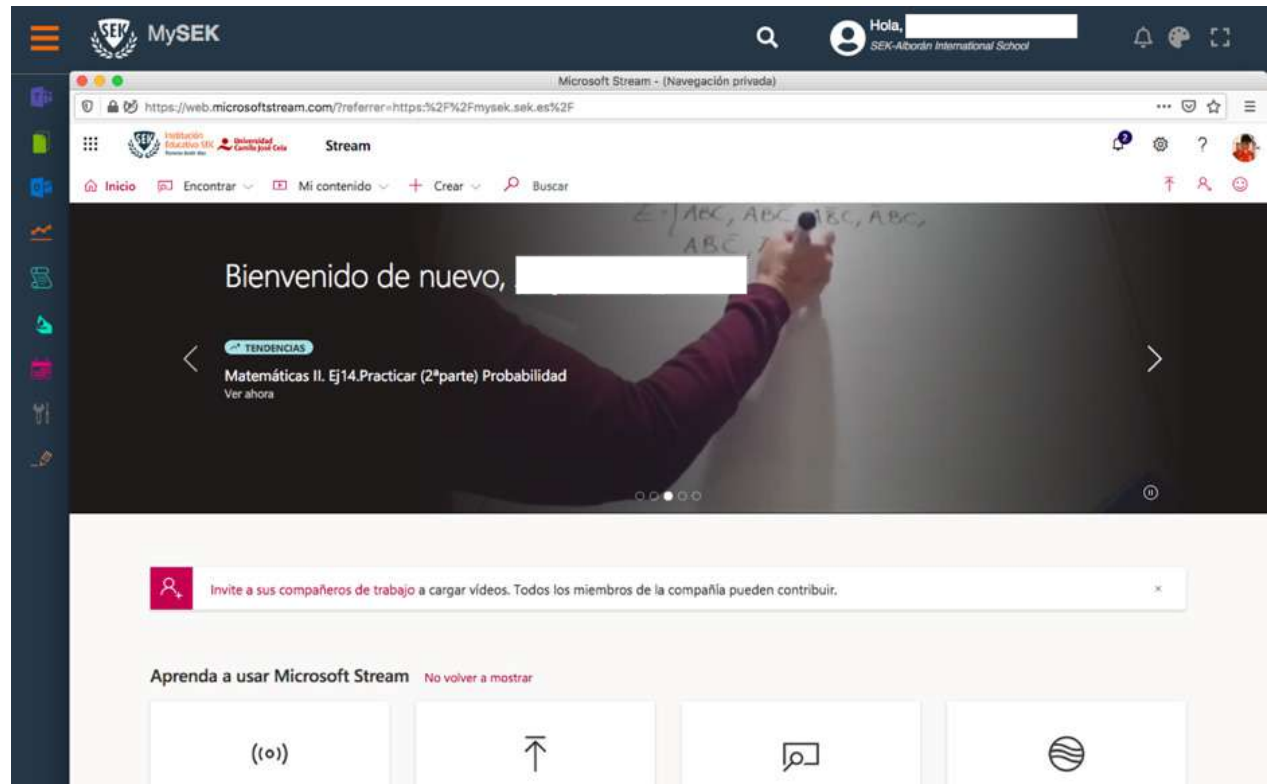


Our Community also boasts a **blog network** in which news about projects, extracurricular activities or any other relevant event from each school is featured.

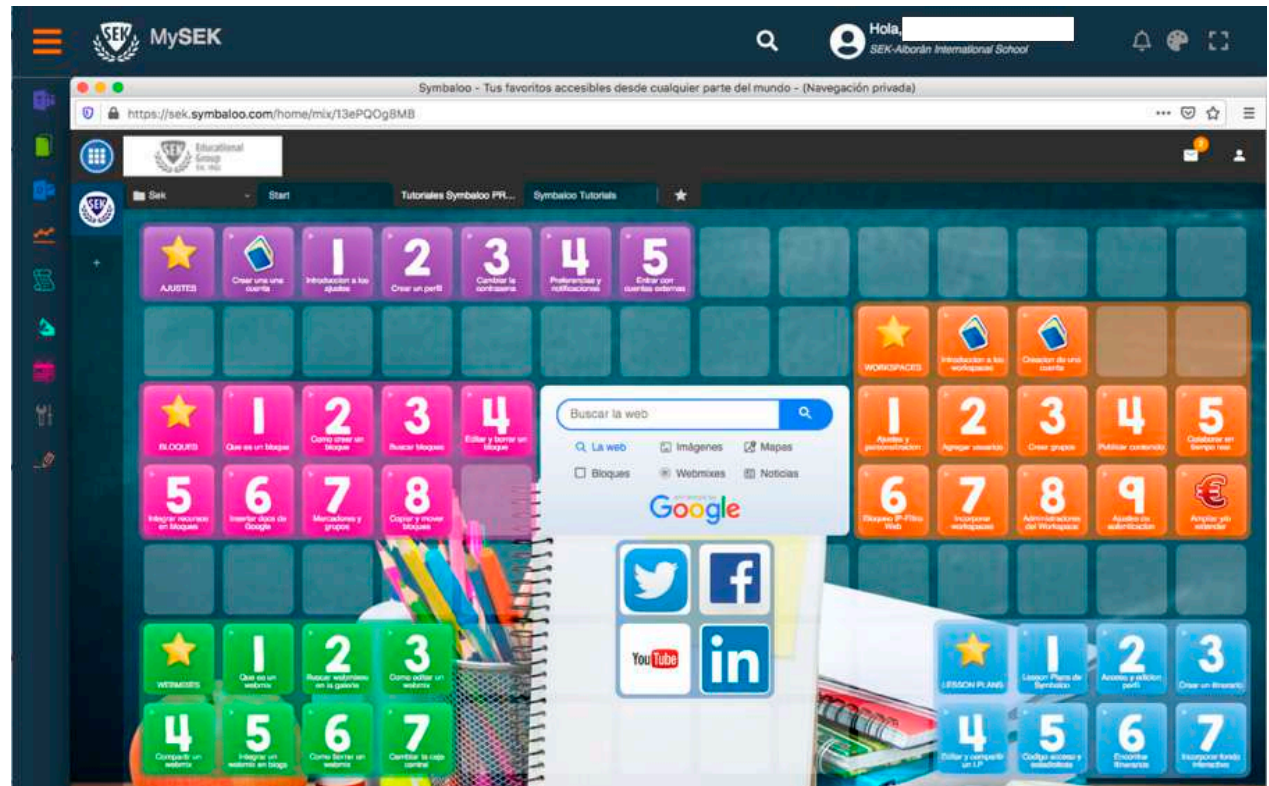
Our students can view the blogs from their own school and other SEK schools in a simple layout.



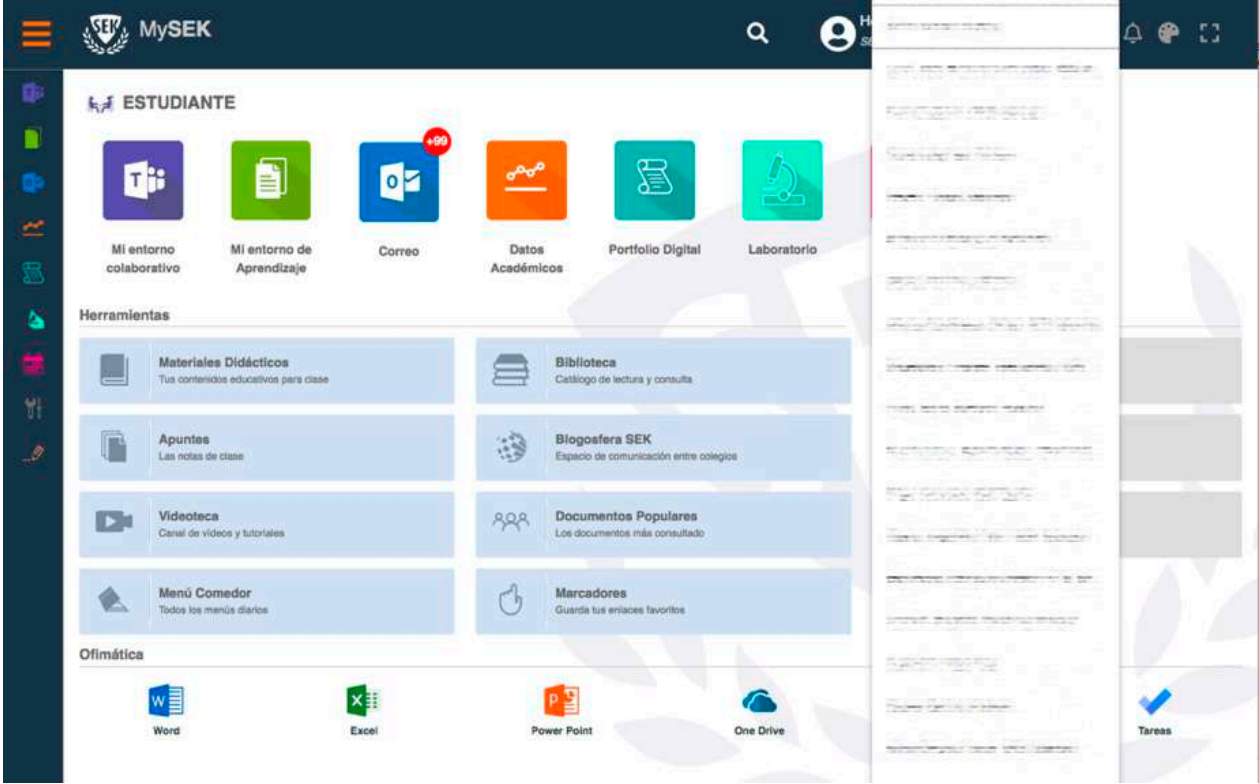
We also have our own video platform. A **video library** in which our teachers can add all kinds of **audiovisual content to support or complement face-to-face or online training**. We have added dozens of specific video tutorials, which our teachers record so that their students can consult and replay specific lessons and presentations necessary for their work.



Today there is a wealth of valuable teaching content online. By using the **Markers** tool both teachers and students can **classify and share all those resources** that have been previously selected. A simple and visual way to **organise the enormous amount of information** that we find online.



The aim of MySEK is to facilitate collaboration and resource sharing, so our students have access both to the groups they belong to and their classmates with whom they work regularly.



Ofimática



Word



Excel



Power Point



One Drive



Planner



Tareas

In addition to all of the above, our students can use **Office 365**. Featuring not only the most commonly used software, but other applications that allow them to plan projects collaboratively (Planner), organise their daily workload (To Do), or save content securely in the cloud (OneDrive).

To ensure the optimal performance of MySEK, during the lockdown we have intensified specialised **training** of all our **teachers** through webinars taught by SEK specialists, video tutorials and set up a newsletter to share best teaching practices.

MySEK 2.0. MySEK will continue to evolve over the coming academic year with new updates that respond to the needs of our users, always with the aim of contributing to the best personal and collective learning experience.

