HİSAR SCHOOL INFORMATION STRATEGIES CENTER

2021- 2022

2nd SEMESTER REPORT

HİSAR OKULLARI
İSTANBUL

ISC Report for 1st Trimester

ISC Report for 2nd Trimester

C O N T E N T S

Information Strategies Center

Hisar School Information Strategies Center maintains its mission of **Establishing information and communication technologies as a natural part of the academic process,** while also following the mission and vision of our school, **Our goal is to identify informatics strategies to support learning environments, and to structure a sustainable, manageable and dynamic ecosystem that can rapidly adapt to changing conditions and needs within K12 integrity.**

Sustainability and Standards

ISTE Standards

As per our school's aim to design informatics strategies in a way that supports learning environments, and to structure a sustainable, manageable and dynamic ecosystem that can rapidly adapt to changing conditions and needs within K12 integrity, we determine the roles of our students and teachers according to the international education technology standards of the International Society for Technology in Education (ISTE).

Table 1: ISTE Standards for Teachers and Students

ISTE STANDARDS FOR TEACHERS [1]	ISTE STANDARDS FOR STUDENTS [2]
Learner	Empowered Learner
Leader	Digital Citizen
Digital Citizen	Knowledge Constructor
Collaborator	Innovative Designer
Designer	Computational Thinker
Facilitator	Creative Communicator
Analyst	Global Collaborator

"ISTE Standards for Educators | ISTE." https://www.iste.org/standards/for-educators. Accessed 16 Jun. 2020.

"ISTE Standards for Educators | ISTE." https://www.iste.org/standards/iste-standards-for-students. Accessed 16 Jun. 2021.

Table 2: Descriptions of ISTE Standards

	ISTE STANDARDS FOR TEACHERS [3]	ISTE STANDARDS FOR STUDENTS [4]
Empowered Professional	**Learner** Educators continually improve their practice by learning from and with others and exploring proven and promising practices that leverage technology to improve student learning.	Empowered Learner
	Leader Educators seek out opportunities for leadership to support student empowerment and success and to improve teaching and learning.	Digital Citizen
	Citizen Educators inspire students to positively contribute to and responsibly participate in the digital world.	Knowledge Constructor
Learning Catalyst	**Collaborator** Educators dedicate time to collaborate with both colleagues and students to improve practice, discover and share resources and ideas, and solve problems.	Innovative Designer
	Designer Educators design authentic, learner-driven activities and environments that recognize and accommodate learner variability.	Computational Thinker
	Facilitator Educators facilitate learning with technology to support student achievement of the ISTE Standards for Students.	Creative Communicator
	Analyst Educators understand and use data to drive their instruction and support students in achieving their learning goals.	Global Collaborator

1 "ISTE Standards for Educators | ISTE." https://www.iste.org/standards/for-educators. Accessed 16 Jun. 2020.

2 "ISTE Standards for Educators | ISTE." https://www.iste.org/standards/iste-standards-for-students. Accessed 16 Jun. 2021.

Digital Citizenship, Ethics and Awareness

As the students of a Common Sense accredited school, our students are expected to show sensitivity towards digital citizenship, ethics and awareness and to abide by rules and the process is carefully monitored for all possible scenarios. In this regard, we place a strong emphasis on the following subjects.

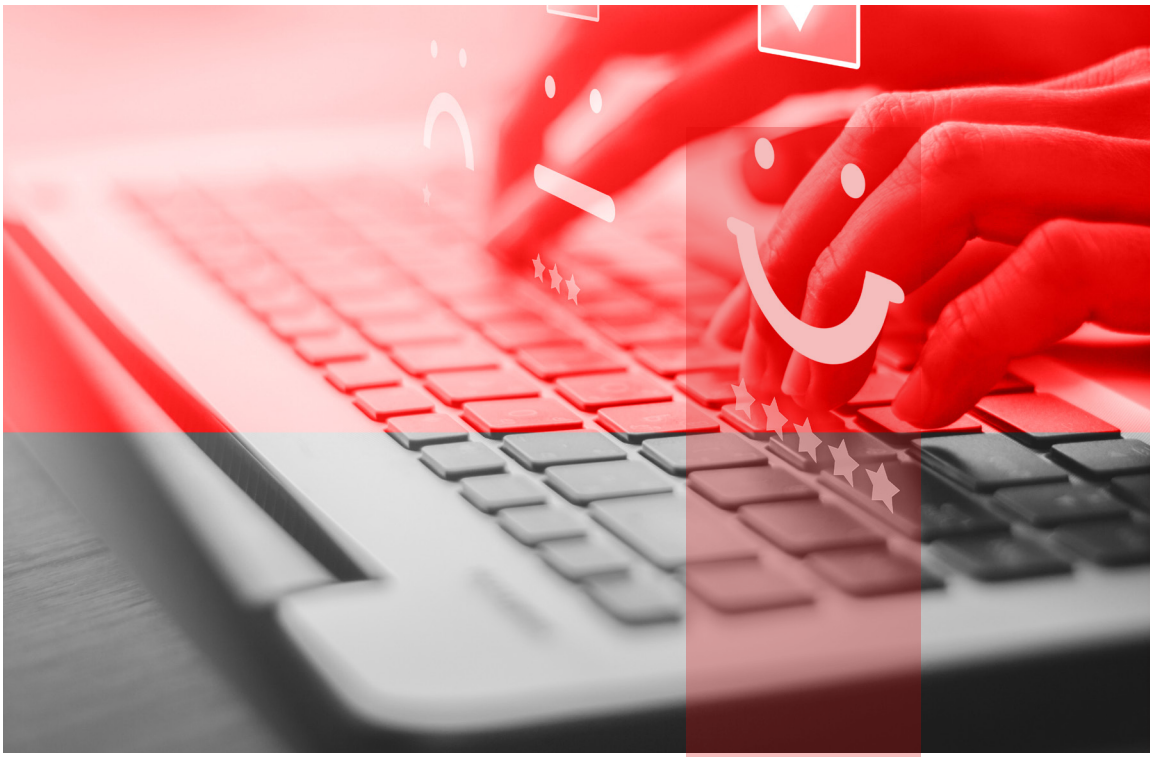
- Digital Confidentiality and Security
- Self-Expression and Digital Identity
- Being Part of The Internet Culture
- Acting in Accordance with the Academic Integrity Guidelines

Academic Content

Materials shared by Hisar School are published on our website for all users to access. On the other hand, all the materials shared through Google Classroom include the academic processes between the relevant course, teacher, and students. All shareholders are notified that **presentations, videos, worksheets, documents, tests, and all course-related materials cannot be shared with third parties due to intellectual property rights.**

The Process

Members of the Informatics Strategies Center held weekly meetings regularly to sustain the academic process that was continued with different models at different levels and accomplished the specified steps. General Manager and School Principals closely monitored the process through the ISC meetings and briefing reports.



Hyflex: Hybrid & Flexible Education Policy

Hisar School Hyflex: Hybrid & Flexible Education Policy reflects our attitude towards providing education with a multi-channel approach and integrating technology with learning environments. This document also describes the roles and responsibilities of our teachers, students, and parents. The policy serves as a point of reference and it is regularly improved and updated to ensure our process is easy to follow, manageable, and sustainable.

In order to reflect our approach and create a roadmap for all shareholders, we updated the Distance Education Policy for the 6th time as part of our preparations for the 2021-2022 Academic Year. Then we published the last update as the Hisar School Hyflex: Hybrid & Flexible Education Policy.

Offering a flexible structure that is adaptable to changing conditions, HyFlex refers to a dynamic process that allows for switching between models and scenarios (face-to-face, distance, hybrid.) The name itself comes from a combination of the words Hybrid and Flexible. Within the scope of HyFlex, technology is considered a natural part of the learning process. This approach enables flexibility and allow students to follow their lessons without interruption regardless of where, how or when they attend the class.

Technology Roadmap & Software Policy

So that our academic processes can be run effectively as part of our preparations for the 2021-2022 Academic Year, we undertook comprehensive efforts about the devices and apps that will be used. These efforts include the Hisar School Software Policy that we created and shared with our academic staff. Within the context of this policy, we referred to the following general principles about selecting software and setting a roadmap to facilitate academic processes.

General Principles

2021-2022 Akademik Yılı hazırlıkları kapsamında akademik süreçlerin efektif bir şekilde yürütülmesini sağlamak amacı ile kullanılacak cihazları ve uygulamaları kapsayan detaylı çalışmalar yürütülmüştür. Bu çalışmalar kapsamında Hisar Okulları Yazılım Politikası oluşturulmuş ve akademik kadro ile paylaşılmıştır. Bu politika kapsamında akademik süreçleri desteklemek için kullanılacak yazılımların seçimi ve teknoloji yol haritasının belirlenmesi konusunda aşağıda belirtilen genel prensipler dikkate alınmıştır.

- The compatibility of the software/application with the school's technical infrastructure.
- The compliance of software/application with the ISTE/Common Sense Standards.
- KVKK compliance.
- Sustainability.
- Maintaining continuity of the utilized applications across K12 levels.
- Opting for applications specified on the Technology Roadmap for Teachers.
- Uniting tools with similar purpose.
- Implementing the licensing policy of software/application for educational institutions.

Determining Technology Roadmap

At the end of each academic year, ISC handles the preparation process for the next academic year in line with the criteria set out in the Hisar School Software Policy to meet the needs of school departments and to support HyFlex Class Design Strategies.

A list containing the applications that comply with the Hyflex Course Design Standards, are suggested by the ISC, and conveyed by the department heads/teachers in line with the above-mentioned general principles was then submitted for the executive board's approval. When evaluating the applications to create the list, we gave priority to the applications put forth by the international agencies ISTE/Common Sense and classified these applications according to the following categories.

- Operational
- Education
- Content
- Productivity
- Assessment

Technology Roadmap: A and Technology Roadmap B lists were shared with the academic staff upon the executive board's approval. Additionally, the details specified in the Hisar School Software Policy were shared with the academic staff and department heads.

Technology Roadmap: A & B Lists
License Request Form

Table 3: Technology Roadmap A

TECHNOLOGY ROADMAP : A 2021-2022			
Product Name	**Type**	**Primary Purpose**	**Level**
Adobe CC	Operational	Creation	K12
Baamboozle	Instructional	Interactive Learning	Preschool & Primary School
Canva Edu	Productivity	Creation	K12
Cisco WebEx	Operational	Communications	K12
Edpuzzle	Instructional	Interactive Learning	K12
Flipgrid	Productivity	Creation	K12
Genially	Instructional	Interactive Learning	Middle School
Google Calendar	Operational	Communications	K12 K12
Google Classroom	Operational	Classroom Management/LMS	K12
Google Docs	Productivity	Creation	K12

Google Drawing	Productivity	Creation	K12
Google Drive	Operational	Storage	K12
Google Forms	Operational	Survey / Assessment	K12
Google Jamboard	Productivity	Collaboration	K12
Google Meet	Operational	Communications	K12
Google Sheets	Productivity	Creation	K12
Google Sites	Productivity	Creation	K12
Google Slides	Productivity	Creation	K12
Kahoot	Assessment	Formative Assessment	K12
Mentimeter	Instructional	Interactive Learning	K12
Microsoft Teams	Operational	Productivity / LMS / Communication	K12
MindMeister	Productivity	Creation	K12
Miro	Operational	Collaboration	K12
Nearpod	Instructional	Interactive Learning	K12
Notability	Operational	Creation	Middle School & High School
Seesaw	Operational	Classroom Management / LMS	Preschool
Padlet	Productivity	Collaboration	K12
PearDeck	Instructional	Interactive Learning	K12
Quizlet	Assessment	Formative Assessment	K12
QuickTime Player	Productivity	Productivity	K12
Socrative	Assessment	Formative Assessment	K12
Teacher X	PG	Supplementary	K12
Urkund	Plagiarism	Plagiarism	K12
Wordwall Pro	Instructional	Interactive Learning	K12
YouTube	Productivity	Productivity	K12
Zoom	Operational	Communications	Institutional

Table 4: Technology Roadmap B

TECHNOLOGY ROADMAP : B 2021-2022			
Product Name	**Type**	**Primary Purpose**	**Level**
Achieve 3000	Content	Supplementary	High School
Gizmos	Content	Supplementary	Middle School
Morpa	Content	Supplementary	Primary & Middle School
MozaWeb	Content	Supplementary	Middle School
Okuvaryum	Content	Supplementary	Primary School
Razkids	Content	Supplementary	Primary School
School History	Content	Supplementary	High School
V Cloud	Content	Supplementary	Middle School

The contents listed below are updated as part of our preparations for the 2021-2022 Academic Year.

- Hisar School Technology Standards
- Web 101-Programs and Applications Used by Hisar School
- Video 101-Important Reminders for Course Videos and Presentations

HyFlex Course Design Strategies

We created the HyFlex Course Design Strategies document to ensure compliance with the standards, policies and roadmaps during the Hyflex: Hybrid & Flexible Education period; reveal learning strategies that are naturally inherent in academic processes; provide appropriate technical infrastructure, tools and resources to implement those strategies; and share the course designs prepared by Hisar School teachers for different levels and branches in this regard.

As part of these efforts, WHERETO method was used to devise learning experiences and activities as part of the learning plan step, which is the step 3 of the Understanding by Design (UbD) approach. WHERETO method coincides with the strategies and approaches[5] defined as the building blocks of learning (The Building Blocks of an Online Lesson - Catlin Tucker) as shown in the tables below.

5 "The Building Blocks of an Online Lesson - Catlin Tucker." 11 May. 2020,

Table 5: UbD and HyFlex Course Design Strategies

	UbD "WhereTo"	HyFlex "Course Design Strategies"
W	How will you help your students know where they are headed and why?	**Instruction and Modelling** **Discussion** Research and Exploration Cooperation and Common Missions Practice and Review Assessment Reflection and Metacognitive Skill Building
H	How will you grab and hold students' interest and enthusiasm through thought-provoking activities that point toward the main ideas, key questions and performance tasks?	Instruction and Modelling **Discussion** **Research and Exploration** **Cooperation and Common Missions** Practice and Review Assessment Reflection and Metacognitive Skill Building
E	What experiences (real or simulated) will students be provided so that their understandings and the matters can be deemed as real? Which learning activities will help students explore key questions? Which guidelines do you need to help students acquire the skills which are necessary for their ultimate performance?	**Instruction and Modelling** Discussion **Research and Exploration** **Cooperation and Common Missions** **Practice and Review** Assessment Reflection and Metacognitive Skill Building
R	How will you prompt students to reflect and rethink to reach an in-depth understanding of the subject matter? How will you guide students to revisit, revise and improve their studies via feedback and self-evaluation?	Instruction and Modelling Discussion Research and Exploration Cooperation and Common Missions **Practice and Review** **Assessment** **Reflection and Metacognitive Skill Building**

E	How will students express their understanding of their ultimate performances and outputs? How will you engage them in a meaningful self-evaluation so that they can identify their strengths and weaknesses before setting goals for the future?	Instruction and Modelling Discussion Research and Exploration Cooperation and Common Missions **Practice and Review** **Assessment** **Reflection and Metacognitive Skill Building**

T	How will you tailor the content, process and output to address the unique learning styles and interests of every learner?	Instruction and Modelling Discussion **Research and Exploration** **Cooperation and Common Missions** **Practice and Review** **Assessment** **Reflection and Metacognitive Skill Building**

O	Activities are designed and sorted to maximize class participation and student efficiency. What is the best way to organize the learning activities you provide?	Instruction and Modelling Discussion **Research and Exploration** **Cooperation and Common Missions** **Practice and Review** **Assessment** **Reflection and Metacognitive Skill Building**

Table 6: The Building Blocks of an Online Lesson

The Building Blocks of an Online Lesson' Catlin Tucker	
Instruction and Modelling	Explain concepts related to your course content, and provide fundamental information and directions.
Communication, Discussion and Conversation	Create opportunities for students to speak and express opinions on texts, videos, current events and topics unique to your course.
Research and Exploration	Create an environment to encourage students to research a subject or issue, explore deeply, learn from each other, and share discovered knowledge.
Cooperation and Common Missions	Group students online, ask them to work on shared tasks to create opportunities encouraging cooperation and creativity.
Practice and Review	Give your students the means to apply their knowledge and skills, to reflect and review. Connect students with practice and review activities to reinforce their understanding of concepts and help them refine their skills.
Assessment	Please evaluate your students' learning.
Reflection and Metacognitive Skill Building	Encourage students to reflect on their learning. What did they learn? How did they learn it? What questions do they have?

The detailed explanations, suggestions and implementations you can use for each step are specified in the HyFlex Course Design Strategies.

Academic Priorities

In the Looking Forward: Academic Processes document, the academic priorities were determined by the approval of the school principals and shared with the relevant academic staff as part of our preparations for the 2021 - 2022 academic year.

Supporting Teachers

Adhering to the statements made by the Ministry of National Education (MEB), we regularly shared the announcements or information letters that would enable our teachers to adapt to this process with our academic staff. Information letters contain explanations and suggestions on the following subjects.

- Hisar Schools Hybrid & Distance Education Period
- Policy Requirements
- Technological Requirements
- Lesson Plan Requirements
- Recommendations

Throughout the year, we shared the below information letters with our teachers:

Information Letter for Teachers 1 - General Briefing

Information Letter for Teachers 2 - High School/Distance Education Period

Information Letter for Teachers 2 - Middle School/Distance Education Period

Information Letter for Teachers 2 - Primary School/Distance Education Period

Information Letter for Teachers 2 - Preschool/Distance Education Period

Information Letter for Teachers 3 - General Briefing/Hybrid Education Period

Check Chart - General Briefing/Hybrid Education Period

We kept providing our teachers with regular assistance via the Support Teacher Portal. The portal is regularly updated according to the needs of teachers.

The IT and Computer Education departments continued to give technical support to our teachers via destek@hisarschool.k12.tr to facilitate the hybrid and distance education processes in the 2020 - 2021 Academic Year.

Within the scope of the digital transformation that has been going on since the beginning of the emergency distance learning period starting in March last year, we have been supporting our teachers in the following areas.

- Policies, Reports and Roadmaps
- Training
- Training Documents
- Training Videos
- Support Teacher Portal
- Teacherx Digital Content Platform
- Together We Are Strong Sessions
- Online 21 Training Program
- The Support Account

For details about the areas listed above, please see the Support For Digital Transformation In Education document.

TeacherX Digital Content Platform

To support our teachers, we have launched the TeacherX platform in addition to our existing Support Teacher Portal. TeacherX is a platform created upon a series of efforts directed toward forming a professional content pool, while also considering the different needs regarding the integration of technology into learning environments.

Our purpose is as follows:

- Speak the same language with all our teachers in the scope of digital transformation,
- Create an educational technologies content pool for all our teaches to benefit from,
- Respond to different needs of teachers regarding educational technologies.

Training modules included in the platform are as below:

1. Fundamental Principles of Learning
2. Games, Gamification and Game Design for Learning
3. Backward Learning
4. Feedback and Interactive Course Design in Distance Education
5. Storification in Education
6. Integration of Information and Communication Technologies into Learning Processes
7. Distance Education Tips
8. Technologically Enhanced Instructional Design
9. Understanding by Design (UbD)
10. Philosophy Education for Children

All teachers provided their feedback on TeacherX and the results are shared with school principals.

Together We Are Strong Sessions

We plan and make the necessary efforts by combining the experience, knowledge, and skills we have gathered in recent times with our technical infrastructure and we believe it is important and valuable to share our experiences during this process. These experiences shared through the “Together We Are Strong” sessions are listed below:

1. Online Educational Tools
2. Interactive Course Design with Pear Deck
3. Taking the Pulse of Students in Distance / Hybrid Education Period
4. Creating Effective Course Designs via Apple Apps
5. Using Videos as Measurement and Evaluation Tools During Distance Education Period
6. Assessment in the Distance Education Period
7. Interactive Course Design
8. Digital Learning Tools: Feedback and Communication
9. Tools, Methods and Assessment Processes in the Hybrid Education Model
10. Interactive Lessons with Nearpod
11. Sample Lesson Plan designed for Teamwork and Differentiation
12. Information Technologies Course Design Strategies and Project Samples
13. Students Teaching Students: A Jigsaw Group Activity
14. Transformation of Applied Courses During Distance and Hybrid Education Period: Physical Education
15. Highschool IT Lesson and Project Samples for Digital Transformation

We made the necessary arrangements as part of our preparations for the 2021-2022 Academic Year. For details, please see: Together We Are Strong Sessions 2021-2022

Online 21 Training Program

The participating group consisting of department heads attended the Online 21 training sessions to enhance process-oriented course designs and had the opportunity to study course designing in detail. Upon completion of the training, school principals evaluated the feedback on this process.

The course designs developed after this training are added to the HyFlex Course Design Strategies document and shared with the whole academic staff.

As part of our preparations for the 2021 - 2022 Academic Year, the below message was sent to the members of our academic staff.

Dear Colleagues,
As we continue to plan and make the necessary efforts by combining the experience, knowledge, and skills we have gathered lately with our technical infrastructure, we have also updated our Hyflex Course Design Strategies.

We believe including your lesson plans in our HyFlex Course Design Strategies document and sharing them with the whole academic staff will be highly beneficial since as it would help us all learn from one another. Therefore, we kindly ask you to share your department's lesson plans or the lesson plans you created as a group during the Online 21 training sessions if it is convenient for you. Please submit the lesson plans (in PDF format or via Google Docs) by Friday the 25th of June, 2021 the latest.

Together We Are Strong!
We would like to thank you for your support and wish you all a healthy week.

Following this request, we gathered the following lesson plans from the academic staff:

1. Preschool Lesson Plan
2. Preschool Lesson Plan 2
3. Preschool Lesson Plan 3
4. PreK English Hyflex Plan Example
5. 1st Grade Mathematics Lesson Plan
6. 1st Grade Turkish Lesson Plan & Attachments
7. 3rd Grade English Lesson Plan
8. 3rd Grade Information Technologies and Software Lesson Plan
9. 3rd Grade Information Technologies and Software Lesson Plan 2
10. 7th Grade Mathematics Lesson Plan
11. 9th Grade Physics Lesson Plan
12. 9th Grade Physics Lesson Plan 2
13. 9th Grade Computer Science Lesson Plan
14. 10th Grade Chemistry Lesson Plan
15. Computer Department 2021-2022 HyFlex Lesson Plans (Primary School-Middle School-High School)

Supporting Students

Students are supported in many ways to ensure that the 2020-2021 Academic Year is executed according to the set goals.

- The contents of the Computer Science lessons are updated as per the latest needs and adapted to the requirements of the 2020 - 2021 Academic Year.
- In the 2020 - 2021 Academic Year, the Information Technologies and Software classes were added to the Grade 1 curriculum for the first time.
- As part of our preparations for the 2021 - 2022 Academic Year, we will also be conducting club activities with our preschool students.
- iPad was chosen and suggested as the device that our preschool and primary school students will use to follow the distance education process from home. Devices were managed by remote MDM and the necessary downloads and updates were performed.
- As part of our preparations for the 2021 - 2022 Academic Year:
    - The 4th Graders will be using their iPads in the learning environments.
    - Our 1st, 2nd and 3rd Graders will be using the school's mobile iPad lab.
    - Our Pre-K (ages 4-5) students will be using the school's mobile iPad lab.
    - Our Middle School students will continue to use iPads they have as part of the 1:1 iPad project in the learning environments.
    - Our High School students will continue to use MacBooks they have as part of the BYOD project in the learning environments.

- Support Student Portal allows students to access regularly uploaded videos that are also shared with them as part of their Computer Science lessons. Students can get technical support from the IT and Computer Science departments by sending an e-mail to the following address: destek@hisarschool.k12.tr

Supporting Parents

Parents are also supported in many ways to ensure that the 2020-2021 Academic Year is executed according to the set goals.

- The communication channels and parents' roles and responsibilities are clearly set out in the distance education policy and shared with them.
- Parents are regularly informed about the process.
- We published additional documents to make it easier for the age groups that need parental support to follow the system.
- A **"Frequently Asked Question"** section was developed and posted on our website to facilitate the educational process in the 2020 - 2021 Academic Year. https://destek.hisarschool.k12.tr/sss
- Teachers can get technical support from the IT and Computer Science departments by sending an e-mail to the following address: destek@hisarschool.k12.tr

As part of our preparations for the 2021-2022 Academic Year, face-to-face and online education became integral elements of the learning process. The technological devices that our students will use as a natural part of their academic processes maintain their significance. Having regard to our school's IT strategy planning, the availability of our students, and the feedback from the parents, the device to be used was determined as the iPad. Accordingly, the preschool, primary school, middle school and high school students/parents are provided with the necessary information:

- Information Letter for the Parents of Preschool Students - iPad
- Information Letter for the Parents of 1st, 2nd, and 3rd Graders - iPad
- Information Letter for the Parents of 4th Graders - iPad
- Information Letter for the Parents of Middle School Students - iPad
- Information Letter for the Parents of High School Students - BYOD

Feedback

Feedback Surveys

Surveys prepared for preschool, primary, secondary and high school students and their parents continue to play a key role in assessing and improving the process. Accordingly, feedback forms for the 2020-2021 Academic Year were sent out to our teachers, students, and parents and the results were reviewed by the respective school principals.

- Teacher Feedbacks February 2021
- Student Feedbacks February 2021
- Parent Feedbacks February 2021
- Parent Feedbacks 3 May 2021

Technical Infrastructure

The technology infrastructure of Hisar Schools was designed to offer an infrastructure that would support all learning activities and learning environments during or out of the school time and ensure the continuity of learning, independently of any time or place.

Hisar School has 1 GB of symmetrical internet connection, 2 backup lines of 300 MBs each and Cisco network infrastructure, which allows the users to benefit from learning, content management, accessible cloud and video conference systems consisting of Apple, Google, Microsoft and Cisco products such as Google Workspace, MS Teams, and Cisco WebEx. We integrated the digital tools and platforms required to support face-to-face and online/synchronous and asynchronous studies and to satisfy varying needs of different grades and branches into our technical infrastructure and education system.

Table 7: Technical Infrastructure: 2021-2022

TECHNICAL INFRASTRUCTURE: 2021-2022	
Accessible Cloud Systems	For file and e-mail access of students and teachers, Google Workspace services are used. Every student and teacher has unlimited space for storing e-mails and files. Students and teachers use the Google Workspace platform to easily communicate, access resources and deliver assignments and projects.
LMS: Learning Management Systems	Learning Management System (LMS) offers teachers an online system where they can create, and offer content for students, track student engagement, and evaluate student performance. Hisar School uses Google Workspace: Google Classroom as the content management system at preschool, primary school, middle school and high school levels. This platform enables regular sharing of the course materials and content with students.
MacBook Computers	Hisar School provides a MacBook to each of its teachers and replaces it with a new one every four years.
Video Conference Systems	The video conference method is a strong and effective tool to stay connected with students and to continue the academic process at all events. In the distance education period, Hisar School uses Google Workspace: Google Meet for its online courses at K12 level. Microsoft Teams and Cisco Webex are also integrated into the school's technical infrastructure as backup video conference software to be used when needed.
Smart Board Systems	There are Promethean Titanium ActiveBoard 75" or 86" Touch Board systems in all classrooms.

Camera Systems	In all classrooms across the Pre-K12 continuum, there are camera systems that allow for broadcasting from classrooms in addition to Promethean Titanium ActiveBoard 75" or 86" Smart Touch Board system. In addition to the camera systems that are available in all classrooms, Mix Type camera systems are also installed in certain classrooms and workshops. These cameras offer the ability to switch between various predetermined points in the classroom and have the zoom in and zoom out feature.
Wacom Tablets	We have made Wacom tablets available for all teachers. The tablet turns all software, documents, presentations that can be used on a computer into a writeable, drawable format that supports touch-screen feature.
Lightroom Video Shooting Area	Thanks to the in-class camera, audio and video recording systems, it is possible to either broadcast live from within the classroom or to create class videos. Moreover, we have set up LightBoard Studio as a separate recording room with special lighting, LightBoard, and a dual-camera system for preparing professional videos.

Status Analysis

As the Covid-19 pandemic impacted all aspects of our lives, it also led to a big transformation in schools, prompting educational institutions around the world to adopt a new educational design that is in line with the paradigms of the 21st century. In this context, we can identify our strong areas, areas of improvement, opportunities and challenges for the 2020 - 2021 Academic Year as stated below.

Strong Areas

We provide the necessary support and implement education with a multi-channel approach to ensure that academic processes can continue without interruption regardless of time and place. Structuring digital transformation processes with an integrated and sustainable approach and based on international standards come to the fore as one of our strong suits.

The strong areas can be listed as below:

- The diligent creation/update of policies, standards, and roadmaps
- Provision of enhanced information and communication infrastructure and support
- Extending support to teachers on many areas related to the technology integration based on their needs
- Technical competencies and level of preparedness of our teachers and students
- Regularly received feedback and reviews from all stakeholders

Areas Of Improvement

In line with the dynamics of the current period, we need to continue developing flexible, supporting and innovative solutions to foster our learning environments. The areas of improvement can be listed as below:

- Enhancement of the process-oriented assessment and evaluation methods
- Enhancement of the process-oriented course designs

Opportunities

In the framework of its mission and principles, Hisar School has prioritized models that allow for a flexible and communication-based structure that can be adjusted to all kinds of changes and challenging conditions without giving compromise to the scientific approaches. These priorities require all academic processes, including face-to-face and online/synchronous and asynchronous learning tools and strategies, to be planned and utilized with a holistic approach in order to provide high-level learning experiences.

As we continue to plan and make the necessary efforts by combining the experience, knowledge, and skills we have gathered in recent times with our technical infrastructure, the efforts we undertook as part of Hyflex Course Design Strategies must be seen as an opportunity. It is evident that Hisar School's digital adaptation process is evolving into a digital transformation process.

Risks

At Hisar School, we are determined to provide a sustainable, shareable and manageable learning environment for all our stakeholders even under the changing and challenging conditions. Potential issues that might put these efforts to risk are listed below:

- New MEB decisions and practices that are compulsory to follow
- Uncertainties due to the course of the pandemic
- Technical difficulties that might arise from Internet provider/Google
- Hardware/technical infrastructure issues that may arise due to the supply chain difficulties during the conditions of the pandemic period

Conclusion and Evaluation

Information Strategies Center has accomplished many achievements during the process that started with the emergency distance learning period last year and continued in the 2021 - 2022 Academic year with the implementation of different education models for different levels. The efforts explained in detail under the relevant sections above reflect the school's digital transformation process.

Targets: 2021-2022

As part of our preparations for the 2021-2022 Academic Year; ensuring that our strong academic program is sustainable under all circumstances and that the process is easy to be shared with and followed by all stakeholders (academic staff, students, parents) come to the fore as a substantial need. The Informatics Strategies Center will be managing all the required digital transformation processes (technical infrastructure, platforms and apps) in line with the international standards.

Attachments

Attachment 1: Hardware List 2021-2022

	2020 - 2021	Users	Description	2021-2022
Technical Infrastructure	**School internet infrastructure** (700 Mbps / 700Mbps) **1st Backup Line** (300 Mbps / 300 Mbps) **2nd Backup Line** (300 Mbps / 300 Mbps)	The Whole School Community	Ensuring Sustainability of the System/Purchase & Maintenance & Upgrade	
Hardware	**MacBook Laptop**	All Teachers	Devices older than 4 years are renewed/new devices or unpurchased devices for newcomers	
Hardware	**Wacom Tablet**	All Teachers	Devices older than 4 years are renewed/new devices or unpurchased devices for newcomers	
Hardware	**Smart Board**	All Grades	Devices older than 6 years are renewed/new board is purchased if a new class opens up	**High School: 2 smart boards/Middle School: 1 smart board**
Hardware	**Camera System - Standard**	All Grades	Devices older than 4 years are renewed/new board is purchased if a new class opens up	**High School: 2 camera systems**
Hardware	**Camera System - Aver**	Preschool (all levels) + 1st Graders (1 piece)	Devices older than 4 years are renewed	**Primary School: 4 cameras (1st Graders)**
Hardware	**Camera System - Desktop**	Visual Arts K12	Devices older than 4 years are renewed/new camera is purchased if a new class opens up	
Hardware	**Camera System - Tripod**	Music & Physical Education K12	Devices older than 4 years are renewed/new camera is purchased if a new class opens up	
Hardware	**Headphones**	Preschool (all teachers)/ Primary School 1st and 2nd Graders (all teachers)		**Primary School 1st and 2nd Graders (new teachers) 4 headphones**
Hardware	**Lightboard Room**	A video recording room that can be used by the whole school community	Ensuring Sustainability of the System/Purchase & Maintenance & Upgrade	

Hardware	**High Tech Room**	Included in the next planning.	Included in the next planning.	
Hardware	**iPad**	Teachers	Since applications mostly continue to run on MacBooks iPads, no new iPads are purchased	**5 iPads for primary school classes (4th Graders TR&EN: 2 pcs. + 3 pcs. (optional)**
Hardware	**Need for monitors/PC Performance**	Included in the next planning.	Included in the next planning.	
BYOD	**Charging stations**	Students	High School: there will be charging stations on each floor	**High School: charging station on each floor**
1:1 iPad		Students	Middle School: there will be charging stations on each floor	**Middle School: charging station on each floor**
Gezici iPad I - II		Students	Primary School: no charging stations	
Hardware	**MacBook Laptop**	Students	Preschool	**12-18 iPads for the Pre-K (ages 4-5) students**

Attachment 2: Assessment and Evaluation Systems

The platforms and applications explained in detail in the Hisar School Technology Roadmaps A&B lists support the implementation of the following methods.

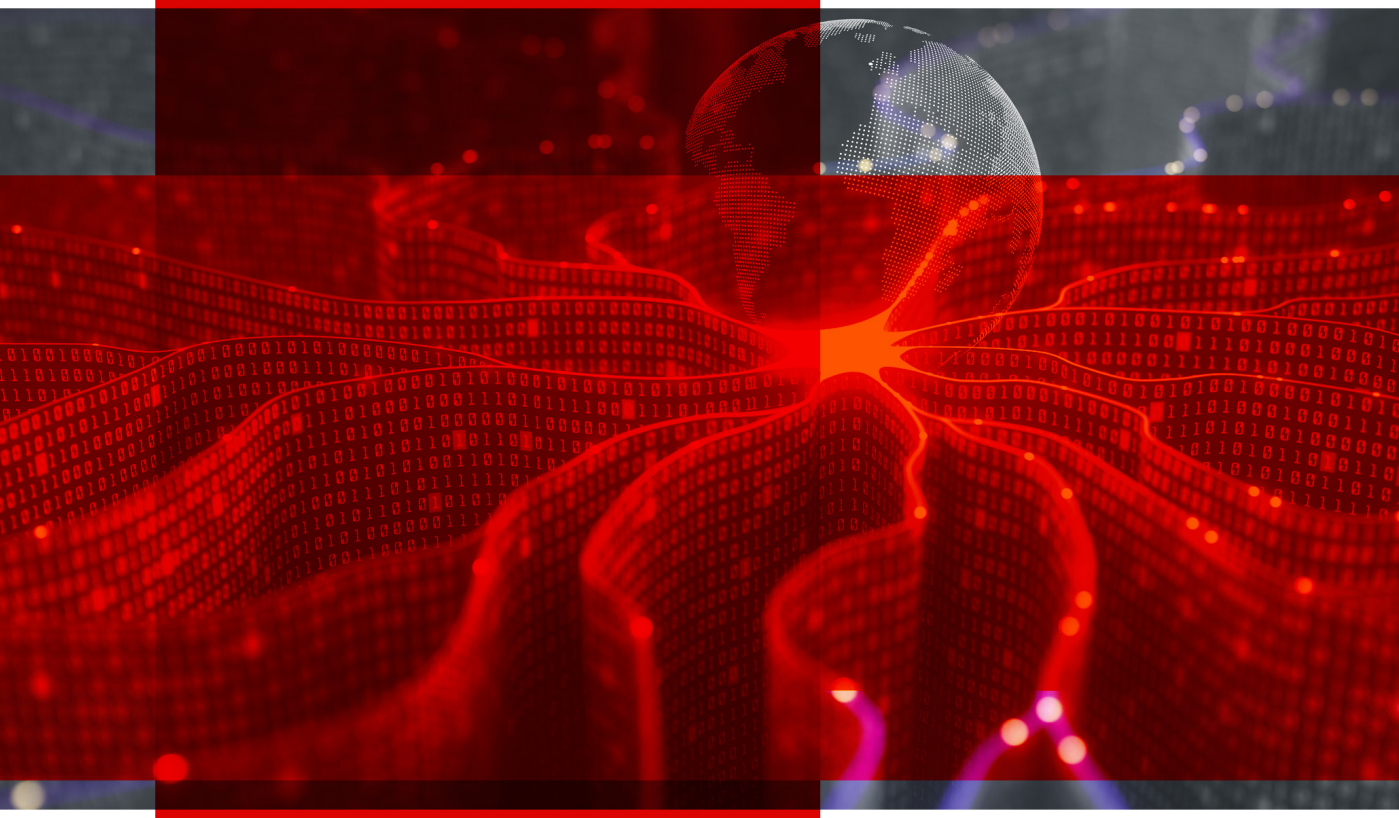
- Self-evaluation forms
- Group and individual work reports
- Multiple-choice examinations
- Survey
- Writing activities (diaries, letters, etc.)
- Poster preparation
- Output card
- Gamification
- Quiz
- Concept map
- Research and reporting work
- Studies based on Group/Individual Projects
- Modeling studies
- Case studies
- Video-based feedback (drama, experiments, speaking, playing instruments, giving speeches, etc.)
- Digital portfolio
- Monitoring forms
- Product control list (product evaluation)
- Peer review forms
- Film preparation

Outcome Evaluation

- Dual device method/the currently used method
- Under teacher supervision or without supervision (screens being viewable by teachers/KVKK concerns)
- Communicating with students during exams
- ID verification being performed by AI
- Checking whether students skipped to other pages during an exam
- Real-time audio and video recording by camera
- Recording of the student's screen throughout the exam
- Analyzing student behaviors by artificial intelligence. Some of the programs that offer these popular features:
  - Talview Proview
  - think exam
  - Surpass
  - SpeedExam
  - TaoTesting
  - Examroom.ai
  - Spiky.ai

Attachment 3: Online Examination Standards 2021-2022

ISC conducted the Online Examination Standards 2021-2022 study and shared via this document the policies, principles, and suggestions about the Registration Admission Exams with the administrative departments of the school.



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