



Hisar School Technology Roadmap for Teachers

Information Strategies Center
July, 2021

I N D E X

STANDARDS	4-5
Devices	6-7
Programs	8-9
Google Workspace	10-11
QuickTime Player	12
Atlas Rubicon	13
Hisar Net	14
Alternative Applications	15
WEB 101	16-17
Standards	18
Basic Applications	19
Basic Concepts	20
Basic Programs and Web Applications	21
Operational	22-29
Instructional	30-35
Productivity	36-43
Content	44-47
Assessment	48-51
Teacher Tools	52-55
VIDEO 101	56-57
01 Preparation	58-59
Hear	60
See	61
Focus	62
02 Important Reminders	63
Be simple and clear	64
Don't lose the focus	65
Be careful with the length of the videos	66
If the video length is more than 15 min., it should be splitted	67
Rehearse	68-69
03 QuickTime Player	70-71
04 Youtube	72-73
05 iMovie	74-75
06 Lightboard Studio	76-77
Mayer'in Principals	78-79
Support	80-81

Standards

Technology Roadmap for Teachers includes the devices and applications to be used ensure the effective execution of academic processes within the scope of 2021-2022* planning.

It is important that all our teachers act in line with these standards. Within the process, there will be updates that address to changing needs, requests and suggestions, and these updates will be shared with all our teachers.

*2021-2022 Hisar School Roadmap

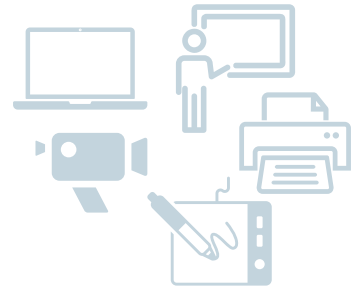


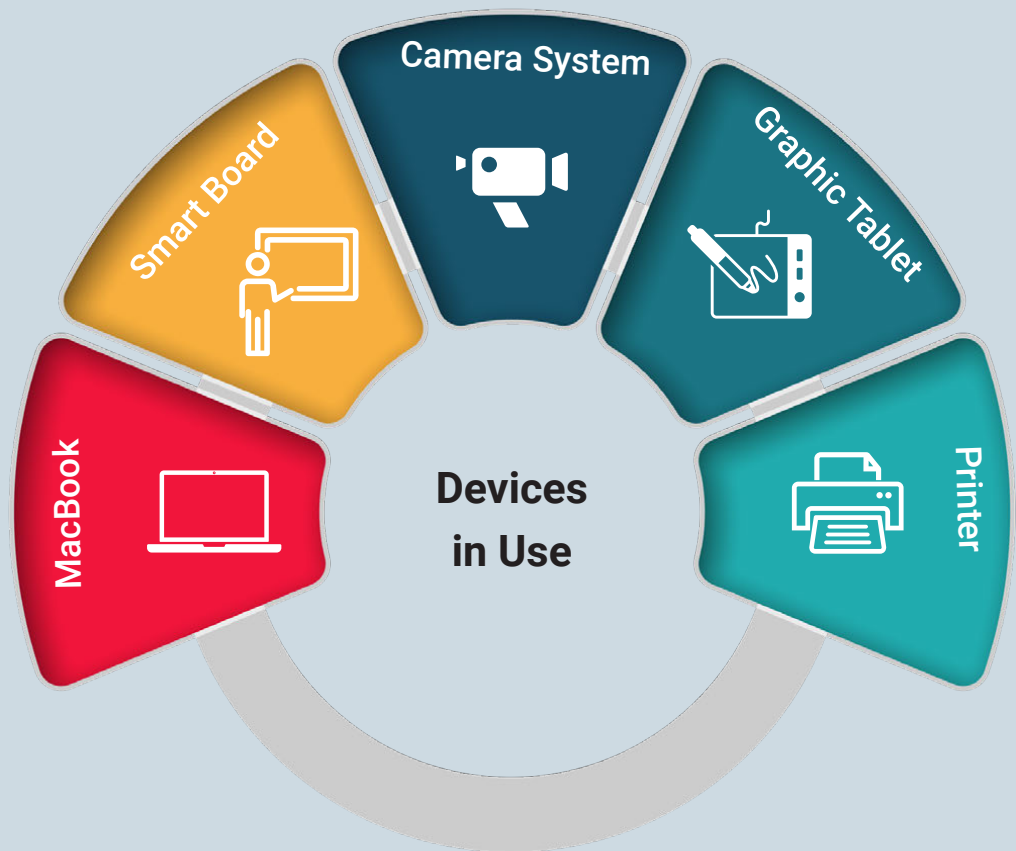
2021-2022



Devices

Devices include the basic hardware/devices used by Hisar School teachers.





Programs

Programs include the basic programs/applications used by Hisar School teachers.





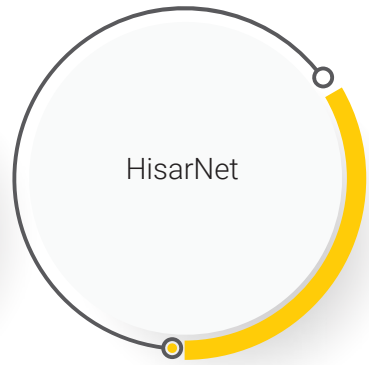
**Academic
Processes**



**Curriculum
Management**



**Professional
Responsibilities**



Google Workspace

Teachers can easily communicate with their students, share resources, produce course materials, and manage academic processes using the Google Workspace platform.



Google Workspace



Gmail

This is used as the primary communication tool to connect students, teachers, staff, and parents and the school's e-mail account needs to be checked regularly.



Google Calendar

Calendar

Meetings, activities, online class invitations are tracked on calendars.



Google Drive

Google Drive

Used as cloud storage platform, Google Drive offers unlimited storage space for students and teachers.



Google Classroom

Google Classroom

Course materials, content, assignments and feedbacks are shared with students via Google Classroom.



Google Meet

Google Meet

Online classes, conversations, and meetings are held through Google Meet.



Google Forms

Google Forms

Google Forms is used to apply certain assessment and evaluation techniques, and provide feedback.



Google Docs

Docs

This tool includes word processing and is frequently used by teachers and students.



Google Slides

Slides

It is a presentation application, often used by teachers and students.



Google Sheets

Sheets

This tool is a spreadsheet application, often used by teachers and students.



Jamboard

Google Jamboard

Google Jamboard is a whiteboard application used for collaborative and group works.



Youtube

Teachers safely share the videos they have prepared with their students via their YouTube accounts.

QuickTime Player

Teachers use QuickTime Player to easily prepare course videos, make screen or audio recordings and share them with their students.

<https://support.apple.com/guide/quicktime-player/welcome/mac>



02



Atlas Rubicon

Teachers use Atlas Rubicon as the curriculum management system. All details regarding lesson plans and curriculum are handled through Atlas Rubicon.

<https://hevokullari.rubiconatlas.org>



HisarNet

Teachers use HisarNet to track institutional processes such as student attendance, marks, student information, Department Teachers Committee, course programs, request forms, and parent meetings.

<https://hisarnet.hisarschool.k12.tr/Login.aspx>

04



05

Alternative Applications



Activinspire

This is the software used by the Promethean boards in every classroom.

<https://support.prometheanworld.com/#>



Cisco Webex

This is another video conference application used in the school in addition to Google Meet.

<https://www.webex.com/>

WEB 101





Recommended web applications are determined by considering general usage and needs.

In line with the dynamics of each lesson, relevant departments and teachers take an active role in the selection of applications to be used specifically for the lesson.

The Technology Roadmap and the applications to be used in this context are determined in line with the **Hisar Schools Software Policy**.

Standards

Web tools suggested in the presentation of [Technology Roadmap for Teachers 3: Web applications](#) have been prepared by considering [Google For Education](#), [Common Sense](#), [ISTE](#) recommendations and standards.



Basic Applications:

Technology Roadmap for Teachers 1: Standards

Google Workspace



Gmail



Google Calendar

Calendar



Google Drive

Google Drive



Google Classroom

Google Classroom



Google Meet

Google Meet



Google Forms

Google Forms



Docs, Slides, Sheets



Jamboard

Google Jamboard



Youtube



Google Chrome



Mac OS



WiFi



Screen Presentation



Screenshot



Using Browser



QuickTime Player



File and Folder Applications

Basic Concepts:

It is explained in the 2021 - 2022 Hisar School Roadmap document.



Online Learning



Distance Education



Distance Learning



Blended Learning



The Flipped Classroom Model



Hybrid Learning



Synchronous Learning



Asynchronous Learning



HyFlex Course Design Strategies



Programs



Web Tools

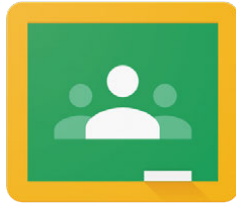
Basic Programs and Web Applications

Technology Roadmap for Teachers 2: Basic Programs and Web Application



OPERATIONAL





Classroom Management

Google Classroom

<https://classroom.google.com/>

Simplify communication, collaboration, and document sharing.

Common Sense Description



Classroom Management

<https://web.seesaw.me/>

Versatile digital portfolio appeals to teachers, students, and parents.

Common Sense Description

OPERATIONAL





Creation

Adobe CC

<https://www.adobe.com/creativecloud.html>

Adobe Creative Cloud gives you the world's best creative apps and services so you can make anything you can imagine, wherever you're inspired.



Communications

Cisco Webex

<https://www.webex.com/>

Calling, meetings, messaging, and events in the cloud for teams of all sizes.



Communications

Google Takvim

<https://calendar.google.com/calendar/>

Google Calendar is a time-management and scheduling calendar service developed by Google.

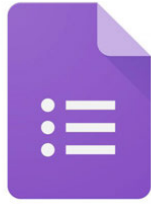


Storage

Google Drive

<https://www.google.com/drive/>

Easy and secure access to all of your content. Store, share, and collaborate on files and folders from any mobile device, tablet, or computer.



Survey - Assessment

Google Forms

<https://docs.google.com/forms>

Create a new survey and edit it with others at the same time. Choose from a variety of pre-made themes or create your own.



Communications

Google Meet

<https://meet.google.com/>

Google Meet is a video-communication service developed by Google.



Productivity / LMS /
Communications

MS Teams

<https://www.microsoft.com/en-ww/microsoft-teams/group-chat-software/>

Meet, chat, call, and collaborate in just one place.



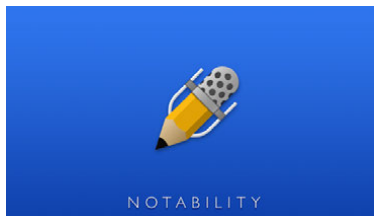
Collaboration

Miro

<https://miro.com/app/>

Miro's infinitely zoomable canvas and web whiteboard enables you to work the way you want to.

Common Sense Description



Creation

Notability

<https://www.gingerlabs.com/>

Creative tool lets kids jazz up notes with audio, photos.

Common Sense Description



Communications

Zoom

<https://zoom.us/>

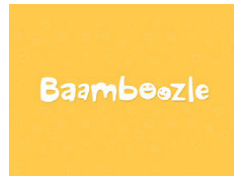
Zoom's secure, reliable video platform powers all of your communication needs, including meetings, chat, phone, webinars, and online events.

Common Sense Description

INSTRUCTIONAL







Interactive Learning

Baamboozle

<https://www.baamboozle.com/>

Baamboozle is a game-based learning platform that brings engagement and fun to millions of players every year at school, at work, and at home.



Interactive Learning

Edpuzzle

<https://edpuzzle.com/>

Crop, customize, and remix online video content with interactive tool.

Common Sense Description



Genially

<https://www.genial.ly/en>

The tool for creating interactive content that makes your audience fall in love. Communicate, educate, and attract by bringing your content to life.

Common Sense Description

Interactive Learning



Mentimeter

<https://www.mentimeter.com/>

An interactive presentation platform making it easy to listen and be heard.

Common Sense Description

Interactive Learning



Interactive Learning

Pear Deck

<https://www.peardeck.com/>

Interactive slideshows offer a variety of ways to engage and assess.

Common Sense Description



Wordwall

<https://wordwall.net/>

Interactive Learning

Quizzes, match ups, word games, and much more.



PRODUCTIVITY





Creation



Canva Edu

<https://www.canva.com/>

Create snazzy designs in seconds with flexible, cloud-based tool.

Common Sense Description

Creation



<https://info.flipgrid.com/>

Pose questions, spark thoughtful video responses with stellar tool.

Common Sense Description



Creation

Google Workspace

Docs - Slides - Sheets - Drawing

Empower learning while getting more time back to focus on your students with flexible, secure, and easy-to-use tools that are free and built for education.



Creation

Google Sites

<https://sites.google.com/>

Make your own website with easy, intuitive drag-and-drop features.

Common Sense Description



Collaboration

Jamboard

<https://jamboard.google.com/>

Versatile whiteboard app integrates with Google Suite.

Common Sense Description



Creation

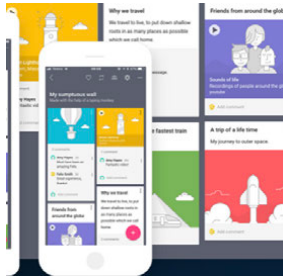
Mindmeister

<https://www.mindmeister.com/>

MindMeister is an online mind mapping application that allows its users to visualize, share and present their thoughts via the cloud.

Common Sense Description

Collaboration



Padlet

<https://hisarschool.padlet.org/dashboard>

Create and collaborate via interactive multimedia bulletin boards.

Common Sense Description



Creation

Quicktime Player

Play, record, edit, and share audio and video files.

Common Sense Description

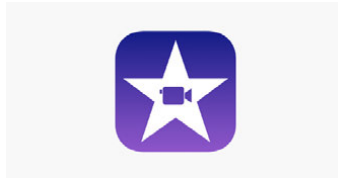


Creation

YouTube

<https://www.youtube.com/>

Common Sense Description

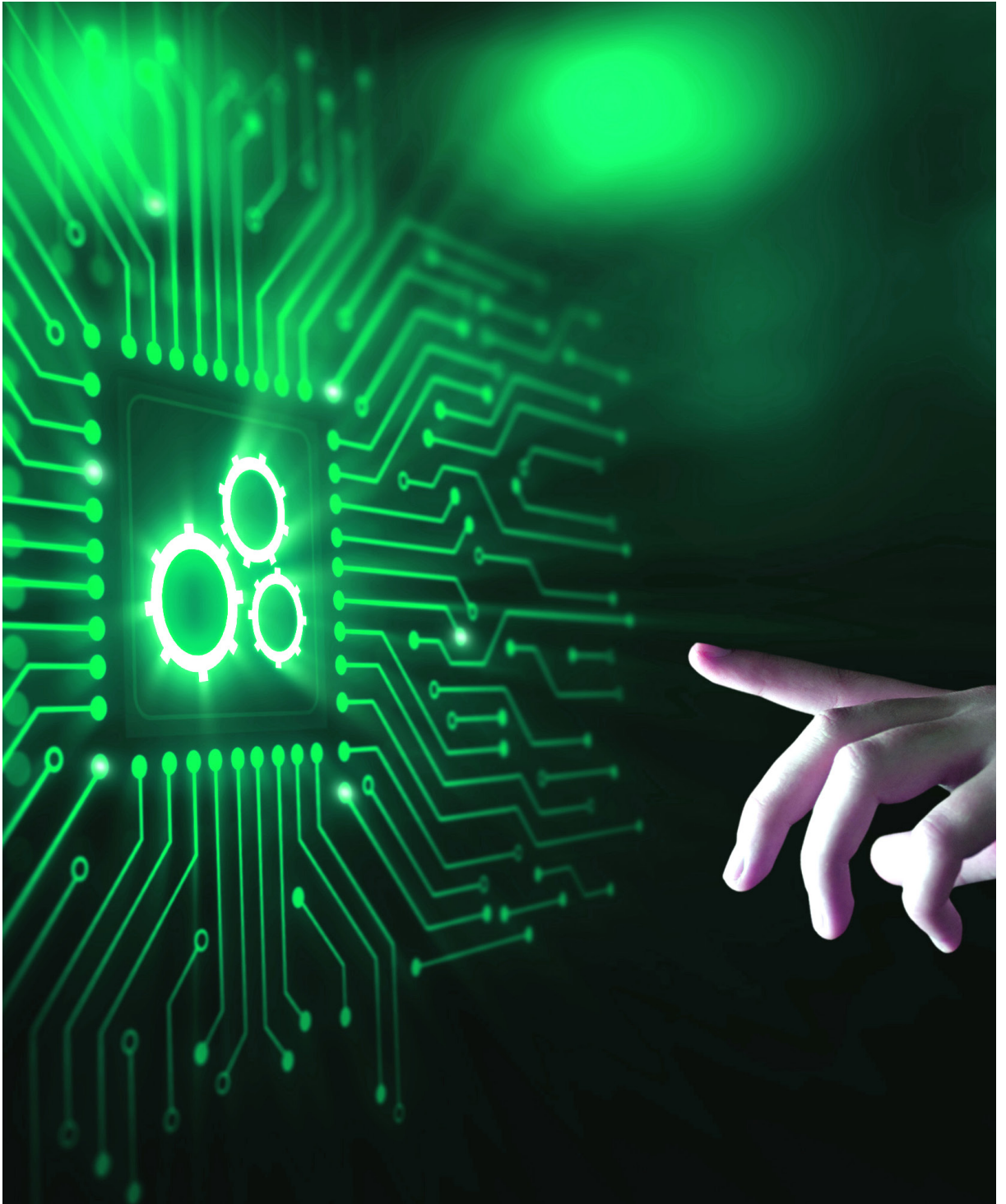


Creation

iMovie

Movie editor will satisfy beginner and intermediate creators.

Common Sense Description



CONTENT



Achieve3000®

Content

Achieve 3000

<https://www.achieve3000.com/>

Support students' mastery through individualized practice. It's like having a personal tutor for every student in grades K-12.



Content

<https://www.explorelearning.com/>

Online simulations that power inquiry and understanding.



Content

Morpa Campus

<https://www.morpakampus.com/>

Morpa Campus is a platform that contains thousands of content in accordance with the MEB curriculum, prepared to support primary and secondary school students and teachers in lessons.

The logo for mozaWeb, featuring the word "mozaWeb" in a bold, yellow, sans-serif font with a trademark symbol, set against a dark blue rectangular background.

Content

Mozaweb

<https://www.mozaweb.com/>

Learn from digital textbooks enriched with interactive 3D scenes, educational videos and exercises.



Content

Okuvaryum

<https://okuvaryum.com.tr/>

A digital reading platform consisting of Turkish storybooks prepared by considering the "child-appropriateness principle", as well as improving reading, comprehension and listening skills, as well as supporting school and family education!

The logo for Raz-Kids, featuring a stylized sun with rays above the word "Raz-Kids" in a bold, blue, sans-serif font.

Content

Raz - Kids

<https://www.raz-kids.com/>

Raz-Kids delivers hundreds of interactive, leveled eBooks spanning 29 levels · 400+ eBooks that students can listen to, read, and even record themselves reading.

School History

<https://schoolhistory.co.uk/>

Comprehensive history teacher resources and lesson plans for use with KS3, GCSE, IGCSE, IB and A-Level.



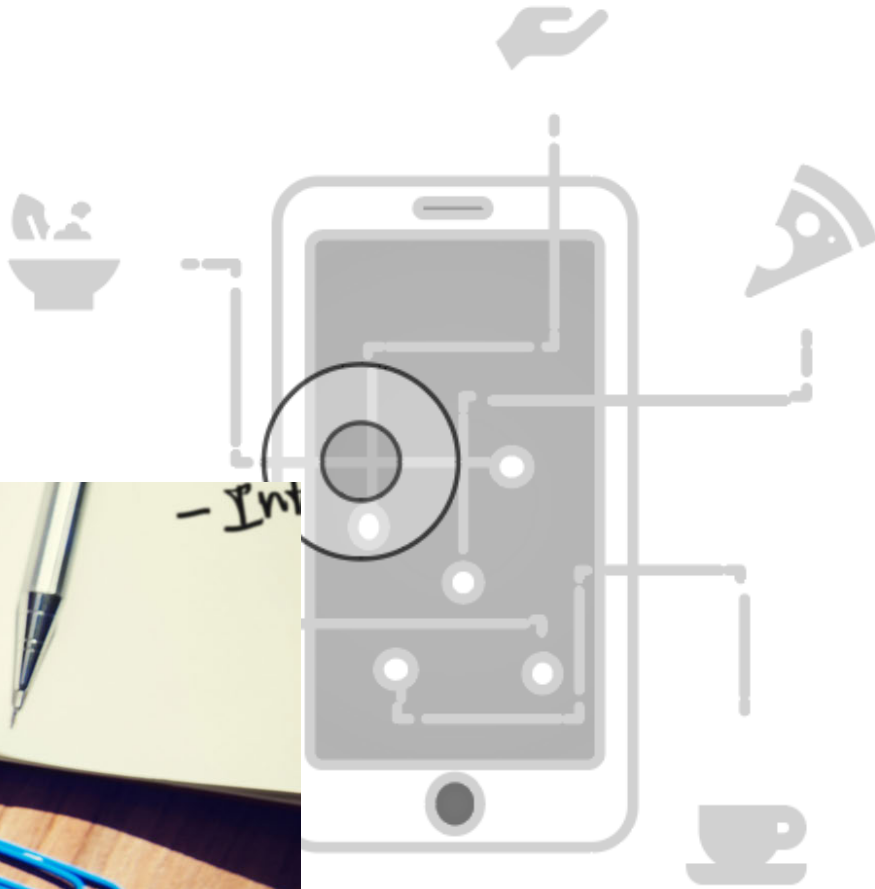
Sebit V Cloud

<https://www.sebitvcloud.com/tr/>

A new generation educational sharing and collaboration platform. Students participate in the process with a personalized educational approach.

ASSESSMENT







Google Classroom

Google Classroom: rubric

<https://classroom.google.com/>

You can use a rubric to grade and give feedback.
You can grade rubrics from the Student work page or the grading tool.

Kahoot!

Kahoot!

<https://kahoot.com/>

Game-like student-response tool can spark competitive fun.

Common Sense Description

Formative Assessment



Quizlet

<https://quizlet.com/>

Flexible study aid supports learning at home, at school, and on the go.

Common Sense Description

Formative Assessment



Socrative

<https://www.socrative.com/>

Formative and summative assessment merge in snapshot polls and quizzes.

Common Sense Description

TEACHER TOOLS





bitly

bit.ly

<https://bitly.com/>

Bit.ly is a link shortener, URL shortening service.



Qr Code Monkey

<https://www.qrcode-monkey.com/>

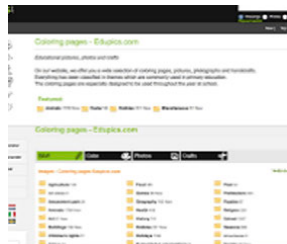
QRCode Monkey is a site for online QR code generation.



pexels

<https://www.pexels.com/>

It is the site where you can download high quality stock photos that you can use in your presentations and course content.



edupics

<https://www.edupics.com/>

It is a site with images, worksheets and illustrations for educational use.

Video 101

Technology Roadmap for Teachers 3: Video 101





1.
Preparation

2.
Reminders

3.
QuickTime Player

4.
YouTube

01 Preparation





Prepare a script for your video.

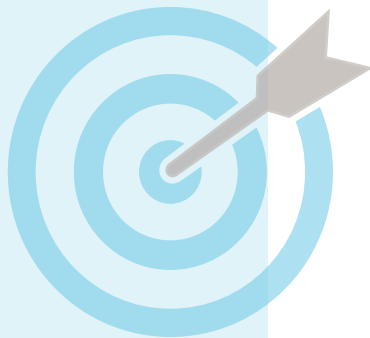
You must outline the video content, you can click on the [link](#) to copy the template and use it.



What will your students **hear?**
What will they see?



What is the **focal point** they
must absolutely realize?



HEAR

Write an outline of what you want to say in each part of your video or a script with each word.

This will help you remember important details or words you want students to hear.



SEE

Plan what you want your students to see in the video.

This can include images, text, footnotes, reminders you want to create on the screen for your students to see.



FOCUS

Plan what you want the focus to be for each part of your video. This may include what you want students to look at or think.

You can use your video to take notes in appropriate situations, complete practice questions, or click on interactive elements embedded in the video, ask questions, etc. You can make it interactive.



02 Important Reminders



Be simple and clear.



Don't lose the focus.



Be careful with the length of the videos.

Ideally, videos should be max. **6 minutes** to keep students' attention.



If the video length is more than 15 min., it should be splitted.

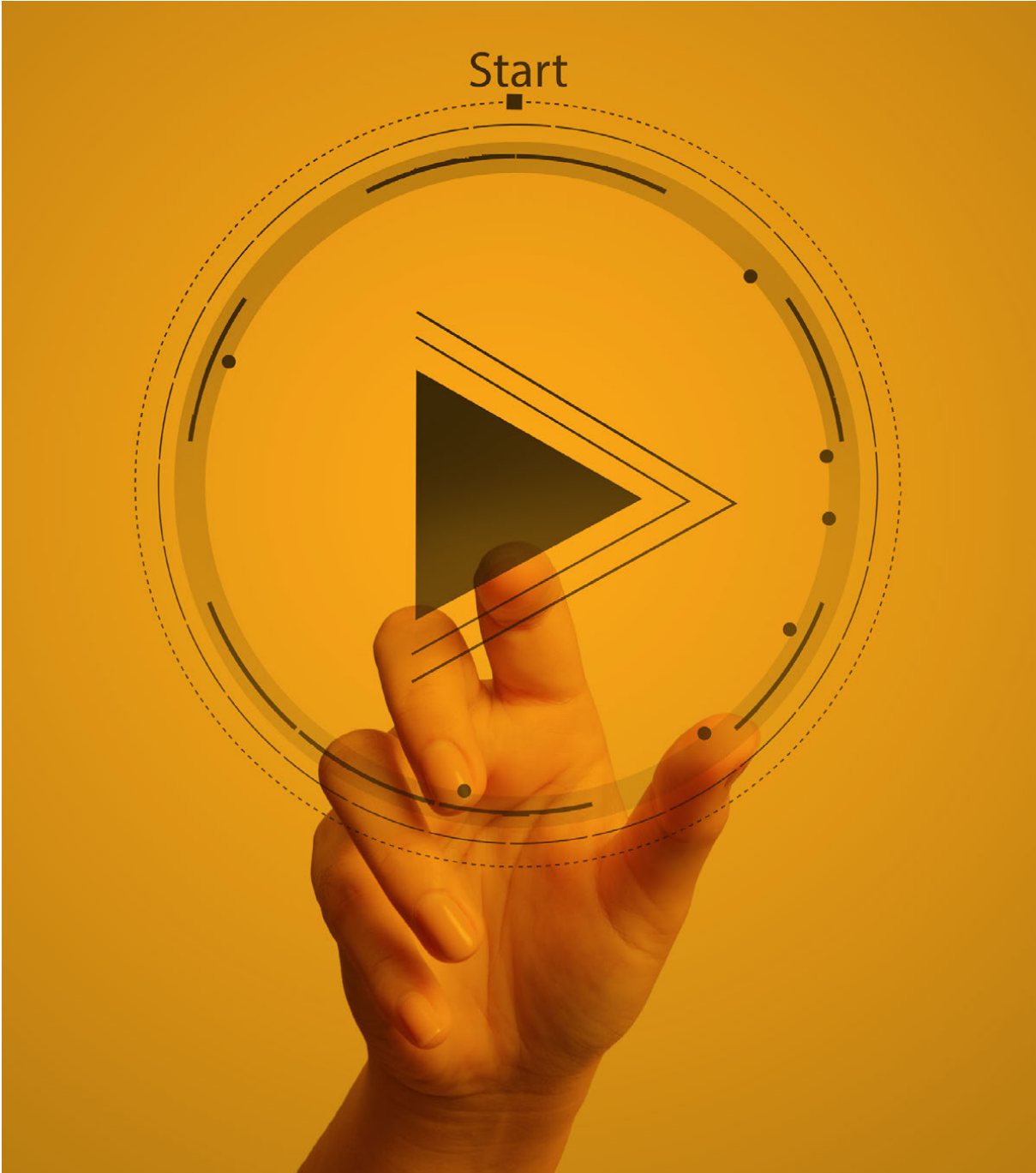
*According to the research, students do not finish watching a video if it is too long.



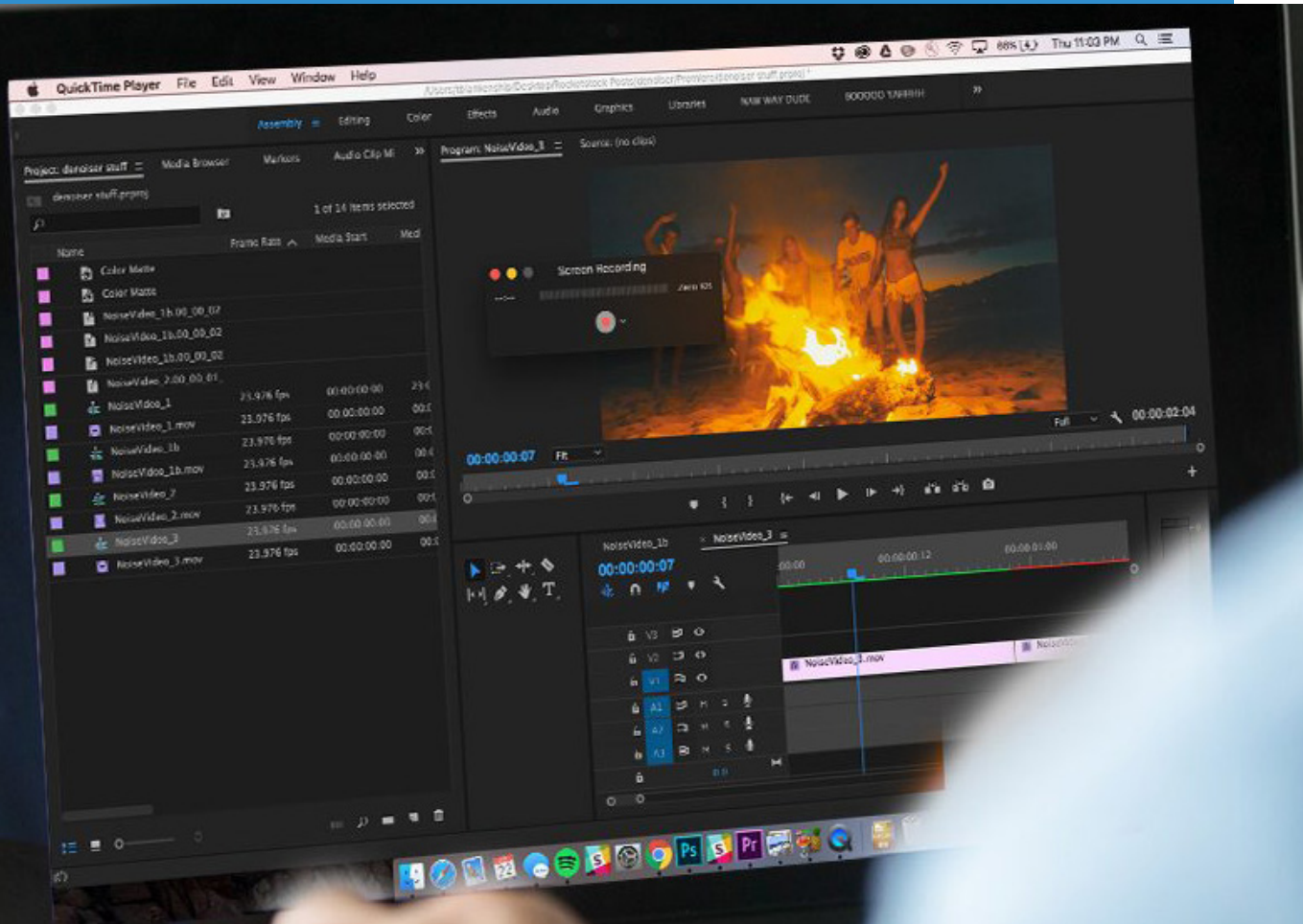
Rehearse.

Once you've prepared your presentation, review your slides and rehearse what you will say during the recording.



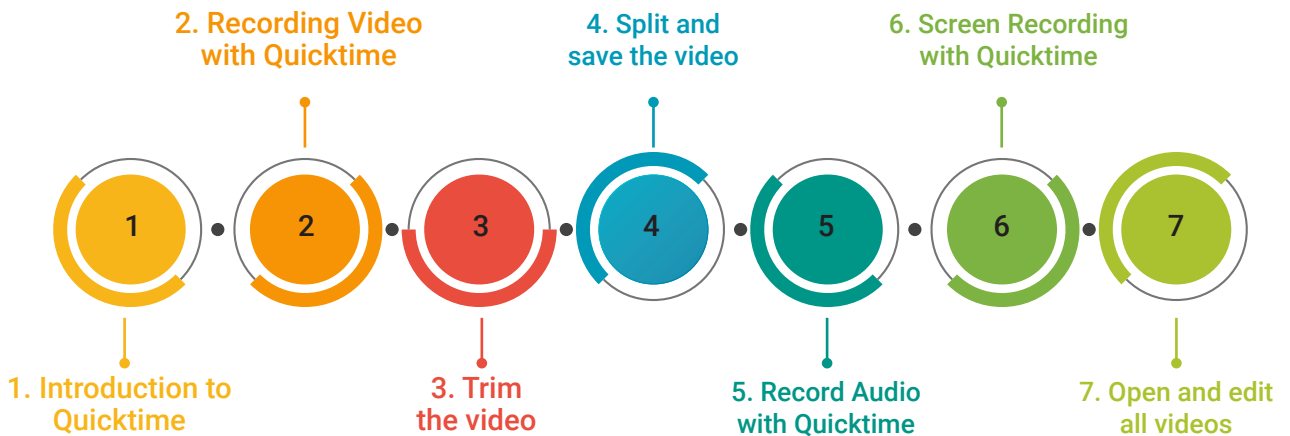


03 QuickTime Player





QuickTime Player Training Videos



04 Youtube



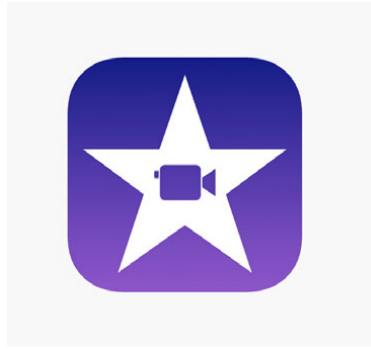


Upload your videos to Youtube.



05 iMovie



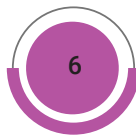


Take your videos a step further with iMovie.

1. Introduction to iMovie

3. Cut the Video in the Middle

5. Video Editing Tools - 2



2. Add Footage and Timeline Settings

4. Video Düzenleme Araçları - 1

6. Transition Effects

7. Sound Settings

9. Recording and Sharing Video



8. Text Options

06

Lightboard Studio

Simplify

$\cot \theta = \frac{\cos \theta}{\sin \theta}$

$\tan \theta = \frac{\sin \theta}{\cos \theta}$

$\cot \theta = \frac{\cos \theta}{\sin \theta}$

$\cot \theta \times \frac{1}{\cos(\pi + \theta)} \times \cos\left(\frac{\pi}{2} + \theta\right)$

$= (+\cot \theta) \times \left(\frac{1}{-\cos \theta}\right) \times (-\sin \theta)$

$= \frac{1}{\tan \theta} \times \frac{-\sin \theta}{-\cos \theta}$

$= \frac{1}{\tan \theta} \times \frac{\sin \theta}{\cos \theta}$

Experience Lightboard Studio Videos.

Lightboard is a special glass blackboard and camera system. Although the glass panel is invisible to students, it provides the teacher with a bright and legible writing surface against a black background.

[Sample Video: Middle School Social Sciences](#)



Get to know Mayer's principles.

Richard E. Mayer has gathered the principals of Multimedia under 12 titles, we recommend that you watch videos on the subject.

The Coherence Principle

The Signaling Principle

The Redundancy Principle

The Spatial Contiguity Principle

The Temporal Contiguity Principle

The Segmenting Principle

The Pre-Training Principle

The Modality Principle

The Multimedia Principle

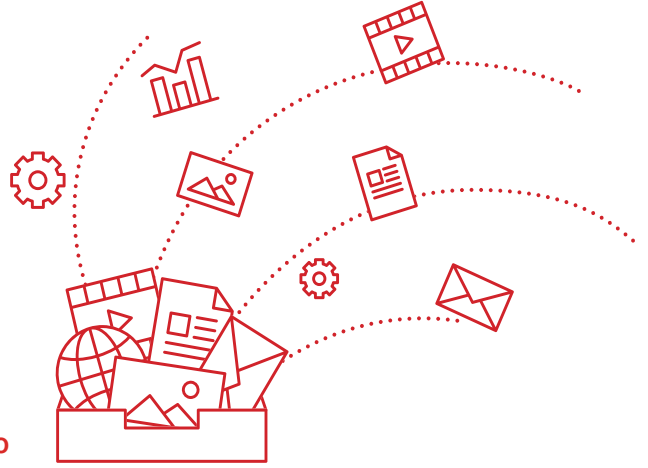
The Personalization Principle

The Voice Principle

The Image Principle



R U L E S



The Principles of Multimedia - Turkish Video

The Principles of Multimedia - English Video



Resources

"Flipped Learning Network Hub: Home_Page." <https://flippedlearning.org/>. Accessed 10 Aug. 2020.

"Uzaktan Eğitimde Ders Tasarımı için Öneriler: Çoklu Ortam" 25 Apr. 2020, <https://www.youtube.com/watch?v=pWtz6r98VvE>. Accessed 10 Aug. 2020.

"Etkileşimli Medya ve Öğretim Ortamlarında Tasarım Geliştirme" <https://dergipark.org.tr/en/download/article-file/192624>. Accessed 10 Aug. 2020.

MEF Üniversitesi, Sosyal Bilimler Enstitüsü - Öğrenme Bilimleri Yüksek Lisans Programı - Flipped Classroom Ders Notları 10. 08. 2020

Support

You can find Hisar School's key policies and briefings on information strategies, materials and videos on education technologies, and frequently asked questions on this subject along with their answers on this website: <https://destek.hisarschool.k12.tr/>





You can find detailed explanations, training documents and videos for all the applications mentioned in this presentation on this website: <https://destek.hisarschool.k12.tr/>

You can share your comments, support requests and questions by sending an e-mail to this address: destek@hisarschool.k12.tr



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