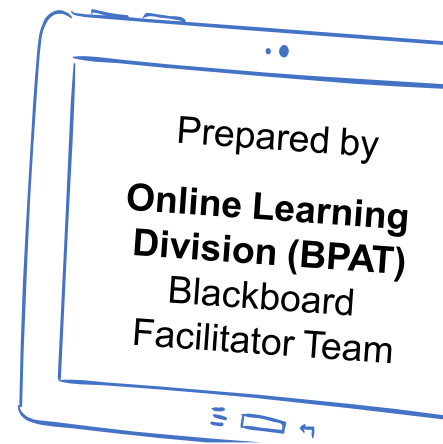
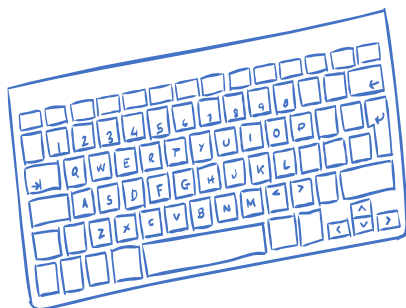
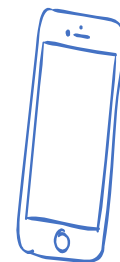


UTM
UNIVERSITI TEKNOLOGI MALAYSIA

School of
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Continuing
Education
(SPACE)

SUPPLEMENT: ONLINE TEACHING TOOLS



Creating Short Video Lesson

Benefit: Reducing the duration of live-video interaction, save hours of repetitive teaching, students can re-watch videos anytime and learn at their own pace.

Tips: Plan the content and the script before recording to make sure the video can be as short and concise as possible to maintain students' concentration and to facilitate learning for students with poor internet connection (max 10min long).

Free open source tools for recording your screen:

- [Screencast-o-matic](#)

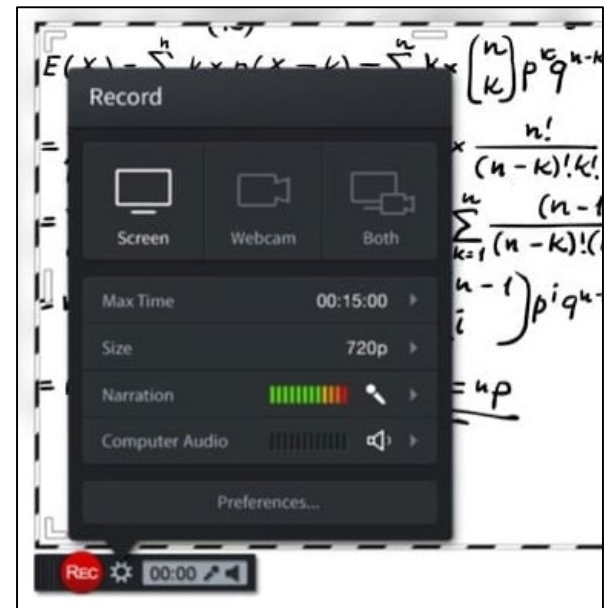
Guideline:

<https://www.youtube.com/watch?v=OqpuFFAWYhk>

- [Screencastify](#)

Guideline:

<https://www.youtube.com/watch?v=v7uScletiPc>



Whiteboard while recording your screen:

- **PowerPoint** - If your PowerPoint does not have the drawing tool to write:
In your PowerPoint, click 'File' → 'Options' → Quick Access Toolbar → click scroll down button at 'Choose commands from' → Choose 'draw/drawing tab' → Click 'Ok'.
- **Chrome Canvas** – This free simple app gives you several pen options, with different colours and eraser.

Recording video while writing on paper using mobile:

- If you do not have a tablet or a touchscreen laptop with stylus pen, you can try this method without the need to buy additional equipment:
https://www.youtube.com/watch?v=U6nEs9_a4Rc



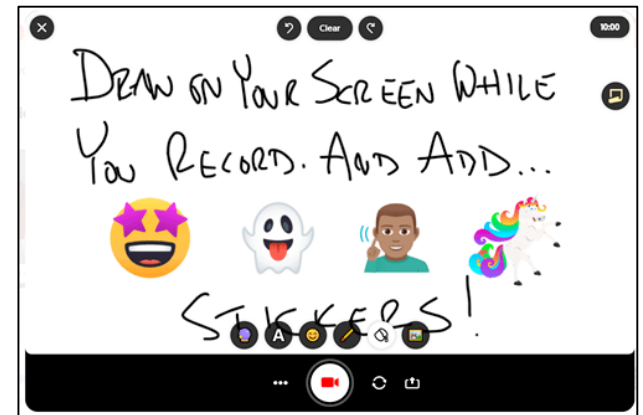
Free tool for removing background noise in video:

- [Audacity](#):
Guideline: <https://www.youtube.com/watch?v=qwa-P6ykXgs> &
<https://www.youtube.com/watch?v=iDf8BV8kj8Q>



Whiteboard recording in mobile app:

- [Flipgrid](#) – In your Flipgrid teacher account, click the ‘Shorts’ tab at the top. Change the background to white or black. Draw, add images and stickers, move them around and more. You can swap back to your camera at any time to do a face-to-face explanation. Share the video with students with a link. Students can also record their own video.



More advanced tools for creating digital learning content:

- [Thinglink](#) – Tools to create interactive images, videos and other multimedia resources.
- [Buncee](#) – Supports the creation and sharing visual representations of learning content, including media-rich lessons, reports, newsletters and presentations.
- [EdPuzzle](#) – Video lesson creation software which allows you to take YouTube clips and embed questions in them requiring students to watch and answer your questions throughout . The data is automatically collected and you can analyse it.
- [Kaltura](#) – Video management and creation tools with integration options for various learning management systems.
- [Nearpod](#) – Software to create lessons with informative and interactive assessment activities. you can upload your PowerPoint and build in questions that students answer live during your presentation and you get immediate aggregated data on student performance
- [OBS Studio](#)

- [Pear Deck](#) – Facilitates the design of engaging instructional content with various integration features.
- [Squigl](#) – Content creation platform that transforms speech or text into animated videos.
- [Animoto](#) – A digital tool that allows you to create high-quality videos in a short time and from any mobile device, inspiring students and helping improve academic lessons.
- [Articulate Storyline](#) – An eLearning authoring tool that creates interactive course content. With an interface similar to PowerPoint, it's easy to import existing presentations and make them more engaging by adding features like triggers, variables, and layers.
- [Canva](#) –If you're a design newbie or looking for a quick way to make an infographic, header, or slide, Canva is the perfect eLearning tool for you. It's easy to use, and excellent for your speedy design needs.
- [Camtasia](#) – A screen recording, editing software suite and a content creation tool for eLearning; you can also create [SCORM](#) courses, add animations, quizzes, and more.

Collaboration through Platforms That Support Live-Video Communication

Benefit: Having live interaction with students.

Tips: Discussion can be done through discussion forum and chat forum. Minimise the duration of live-video communication and utilise the session only for necessary live activities with students. Content is better delivered to students asynchronously through reading materials and pre-recorded lesson videos.

Some tools that can be used:



- [Blackboard Collaborate](#)
- [Cisco Webex](#)
- [Google Meet](#)
- [Teams](#)
- [Skype](#)
- [Zoom](#)
- [WeChat Work](#)
- [WhatsApp](#)
- [Pronto](#)
- [Google Duo](#)
- [Dingtalk](#)
- [Skype](#)

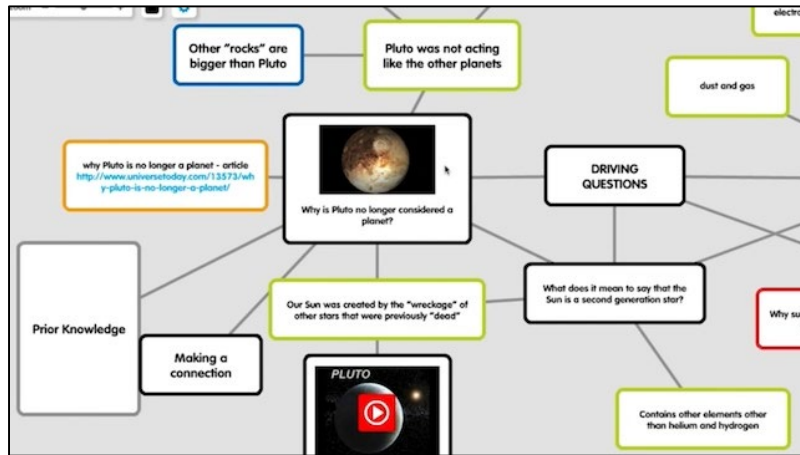
Engaging Online Learning Activities and Assessment

- [Kahoot!](#) – Kahoot! promotes game-based learning, which increases student engagement and creates a dynamic, social, and fun educational environment. The assessment or survey material is projected on the screen and questions are answered by students.
- [Quizizz](#) – A game-based learning like Kahoot but compared with Kahoot, the questions and possible answers are displayed on student devices and students can answer at their own pace.
- [Quizlet](#) – A game-based learning that puts students in groups and all possible answers are divided amongst their devices. Since the answer may not be on a student's device, they need to communicate and collaborate with their team members to get the correct answer
- [Quizwhizzer](#) – Boost student engagement with real-time quiz racing.



- [Socrative](#) – A system that allows teachers to create exercises or educational games which students can solve using mobile devices, whether smartphones, laptops, or tablets. Teachers can see the results of the activities and, depending on these, modify the subsequent lessons in order to make them more personalized.
- [LabXchange](#) – Curated and user-created digital learning content delivered on an online platform that enables educational and research experiences.
- [Mindspark](#) – Adaptive online tutoring system that helps students practice and learn mathematics.
- [Code It](#) – Helps children learn basic programming concepts through online courses, live webinars and other kid-friendly material. Available in English and German.
- [Code Week](#) – List of online resources to teach and learn computer coding, available in all EU languages.
- [Duolingo](#) – Application to support language learning. Supports numerous base and target languages.

Sharing and Collaboration Tools



- [Popplet](#). – A virtual collaboration tool that can be used in real time or asynchronously where students can add text, draw, place photos and video, and add other content to support and develop an idea.

- [Mural](#) – A collaboration and brainstorming design board where teams can visually contribute their ideas while collecting all information in one place
- [Google Docs](#) – Allowing multiple team members to collaborate on the creation and editing of shared documents. With all files stored in the cloud, team members can give feedback and make edits in real-time.
- [Lark](#) – Collaboration suite of interconnected tools, including chat, calendar, creation and cloud storage.
- [Padlet](#) – Provides an essentially blank canvas for students to create and design collaborative projects. Great for brainstorming.