

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

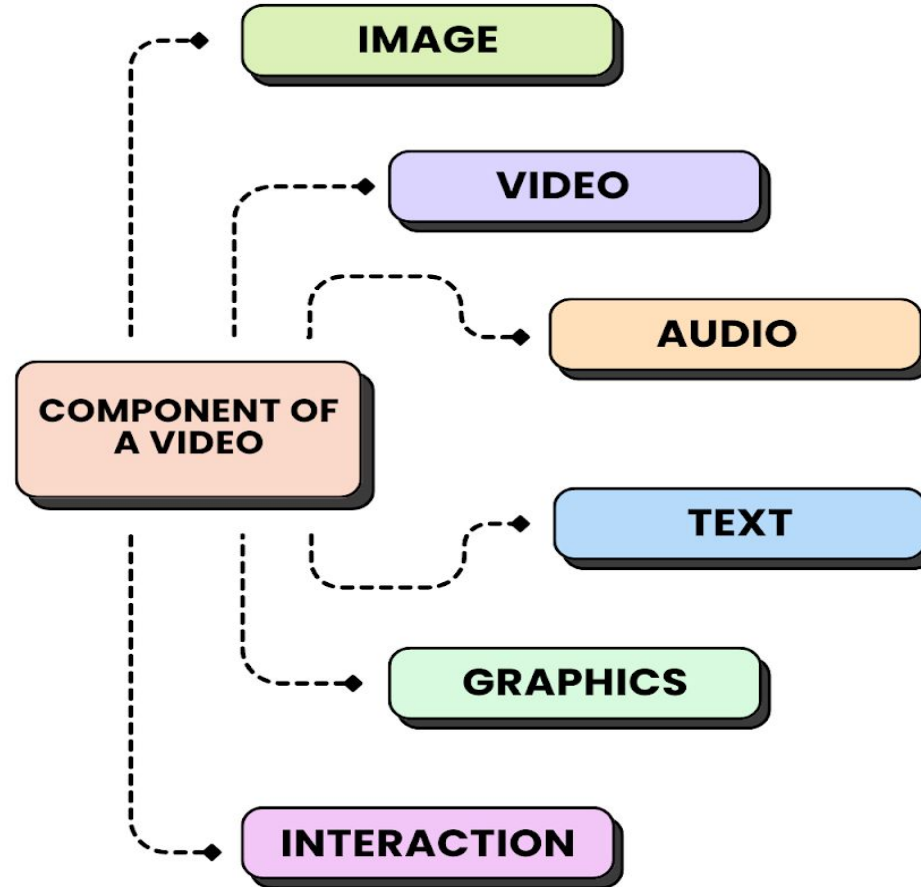
# Development of Video Resources

# Concept of Video Resources



- A powerful tool in 21st century education, capable of transforming traditional teaching-learning methods and enhancing student learning.
- Educational video resources are multimedia tools that combine visual and auditory elements to convey information, demonstrate experiments and processes, and engage learners.

# Components of a Video



विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

# Need of Video Resources

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

- **Multi-sensory Experience:** Combination of visual and auditory elements.
- **Simplifying Difficult Concepts:** Breaking down complex concepts or and processes, animations, demonstrations, and real-world footage bring abstract ideas to life, facilitating deeper comprehension.
- **Flexibility and Accessibility:** Anytime and anywhere.
- **Engagement and Motivation:** Capturing attention of learners and stimulating interest.
- **Diverse and Expert Perspectives:** Experts from around the world.
- **Reuse, Reshare and Repurpose**

# Scope of Video Resources

- Classroom Instruction
- Online Learning
- Blended Learning
- Flipped Classrooms
- Subject-Specific Applications
- Professional Development and Training
- Real-World Applications
- Special Education
- Multilingual Education
- Individualised Learning
- Assessment and Feedback

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

# Presentation Formats of Video Resources

- Lecture-Based Videos
- Screencast
- Explainer Videos
- Documentary
- Docudrama
- Storytelling
- Panel Discussions
- Interviews
- Microlearning
- Lightboard Videos
- Personal Assistant Learning (PAL)

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

## Tools/Software for Developing Video Resources

- **Free and Open-Source Software (FOSS)**
- **Freemium Software**
- **Proprietary Software**

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT



## Free and Open-Source Software (FOSS)

- **Shotcut** : This allows for editing on multi-track timeline, supporting a wide range of formats, video and audio effects, and keyframing. Shotcut is available for Windows, macOS, and Linux.
- **OpenShot Video editor**: It has an easy-to-use interface with unlimited tracks, keyframe animation, 3D animations, and support for many video formats. It is available for Windows, macOS, and Linux.
- **VidCutter** : VidCutter is a cross-platform video editing software for quick and easy video splitting and joining for simple quick edits.
- **Pitivi** : Pitivi is a non-linear video editor for Linux. <https>
- **Kdenlive** : Kdenlive is an acronym for KDE Non-Linear Video Editor. It works on GNU/Linux, Windows and Mac.

## Freemium Software

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

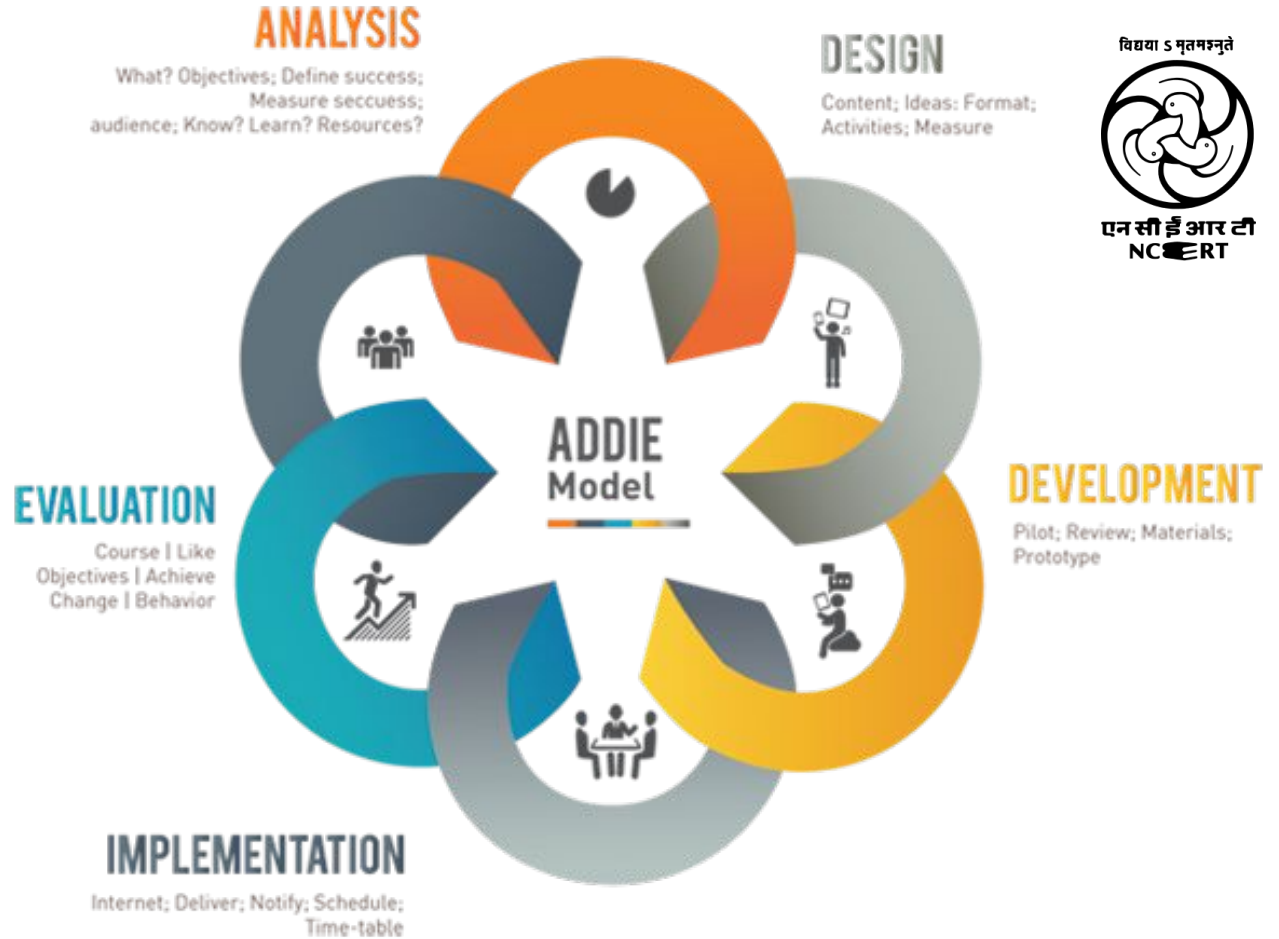
- **Adobe Express:** Adobe Express is a freemium web-based video creation tool.
- **Canva (Video Editor):** Web and mobile-based freemium tool with drag-and-drop video creation, templates and graphic assets.
- **iMovie:** It is a simple and free video editing software for MacOS.
- **InShot:** A mobile video editing app with user-friendly interface, its free version fulfills basic video editing needs but paid version for advanced tools and an ad-free experience. Android and iOS.
- **Kinemaster:** Suitable for basic and intermediate video editing in the free version. KineMaster Premium, offers more advanced tools. Android and iOS.



## Proprietary Software

- **Adobe Premiere Pro:** Industry-standard editing software with comprehensive tools for video editing, color correction, audio editing, and integration with other Adobe Creative Cloud apps. It is available for Windows and MacOS: [www.adobe.com](http://www.adobe.com)
- **Final Cut Pro:** Exclusive professional video editing tool for macOS with advanced color grading, HDR support, and powerful media organisation tools.

# Video Resource Designing



विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT



## Analysis

- Identify Learning Objectives: Define what the learners should know or be able to do after watching the video.
- Analyze the Audience: Understand the demographics, prior knowledge, learning preferences, and specific needs of the target audience.
- Determine Content Requirements: Identify the key topics and information that need to be included to meet the learning objectives.
- Assess Resources: Evaluate the available resources, including time, budget, equipment, and expertise.

## Design

- Select Media and Tools: Choose the appropriate tools and media formats (Documentary, explainer video, Micro, screencast...) that will effectively convey the content.
- Create a Detailed Script: Write a script that outlines the content, dialogue, and visual elements. Write a detailed script including dialogue, instructions, sound effects, background music and visual cues

# Programme Brief

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

## Programme Brief - Format

**Title of the programme:**

**Class :**

**Objectives:**

**Target Audience:**

**Content coverage**

**Media:** Video

**Presentation Format:** Discussion/ Demonstration/ Interview/ drama/ role play/ documentary/ docudrama/ feature/ lecture/ vox-populi (voice of the people) / story tell/ cultural activities – dance/ singing/ recitation/ model reading etc....

**Description of the programme:**

- Story Line
- The purpose of the video: Ways it can be used for teaching -learning- assessment to be described

**Production Team:**

Script Writer -

Content expert -

Technical expert -

etc

# Format of Script

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

## Audio

Dialogues are written here

Dialogue is generally written in double space in upper and lower case letters

CHARACTER names are given prior to each dialogue

Everything else is in Caps: CHARACTER NAMES, SOUND EFFECTS AND MUSIC.

SOUND EFFECTS AND MUSIC ARE EACH GIVEN IN SEPARATE LINES and are shown on the audio side.

## Video (Visuals )

Instructions related to video shooting are given here.

Instructions and camera shots are on the Video side and specific instructions can be made ALL CAPS.

Physical movements are shown on the video side.

Any specific focus visual elements is mentioned here

Any Images, captions, slides, maps, infographic to be added are shown in the visuals column.

# Camera Shots



*establishing*



*wide*



*medium*



*close-up*



*medium*



*cut-away*



*high angle*



*low angle*



*extreme close-up*



*two shot*



*worms-eye view*



*birds-eye view*



*over the shoulder*



*reverse shot*



*perspective*



*point of view*

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

# Storyboard Format

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

SCENE \_\_\_\_\_

PAGE \_\_\_\_\_

SHOT #

--

SHOT #

--

SHOT #

--

ACTION

--

DIALOGUE

--

FX

--

ACTION

--

DIALOGUE

--

FX

--

ACTION

--

DIALOGUE

--

FX

--

# Storyboard Sample

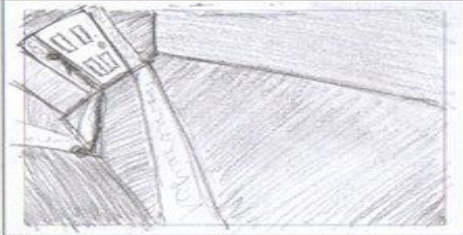
विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT

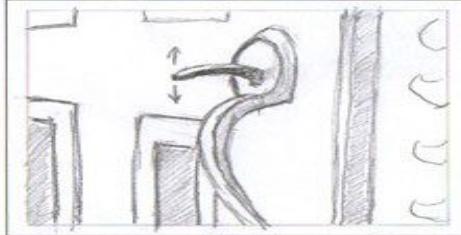
Russ Fan  
CA3D-431-0L2

ID: Scene: 1 Sequence:



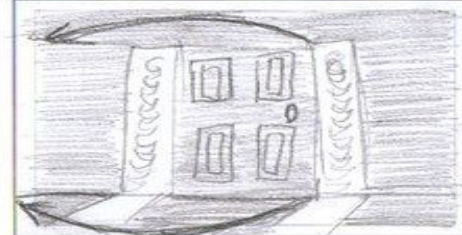
Est. Park Forever Light streaming through windows flanking the door. Silhouette passes in front of the window. (Flip frame, door on right, light on far wall?)

ID: Scene: 2 Sequence:



Cut to Door Handle See/Hear Door Jiggle. Then Hear Key Jangle and Key Enter Lock. Turn, Click, Thud as switch moves down

ID: Scene: 3 Sequence:



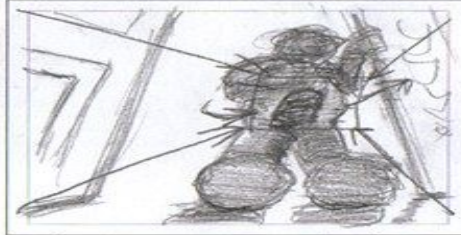
Door stems open

ID: Scene: 4 Sequence:



Silhouette of an large imposing man, camera at foot level. Man looks steady but in ominous music

ID: Scene: 5 Sequence:



Character's knees buckle, slumps stage right. Camera zooms in slowly to follow hand holding bottle

ID: Scene: 6 Sequence:



Hand fumbles up and down over the light switch we hear a click as the light switch is flipped.



## Development

- Gather and Create Content: Collect and record all necessary materials, including video footage, images, graphics, and audio.
- Edit the Video: Use any video editing software to assemble the footage, add transitions, effects, overlay text and graphics, voiceovers, background music, and sound effects to enhance the learning experience. Ensure the final product is engaging and cohesive.
- Evaluation: After the implementation, assess the effectiveness of the educational video and make improvements.

# Repositories of Resources



## Music

**digccMixer:** Royalty free music for films, videos and games.

**Jamendo:** Music for commercial use also with some music royalty free and some paid music is also available.

**Free Music Archive:** Original music free to play and download by independent artists.

**Musopen's collection:** Royalty free music categorised by composer, performer, instrument, tag, form, or time period.

**Open Verse:** Free stock images and audios.

## Sound Effects

**Freesound:** A library of sound to download under open licences.

**Sounds in Wikimedia**

**Commons:** A free media repository providing sounds under various categories.

**BBC sound effects:** A variety of sound effects available and also allows to create sound effects.

**Sound Bible:** Royalty free sound effects for videos games etc.

## Images

**Nappy:** High-resolution photographs of people, under a Creative Commons Zero (CC0) license.

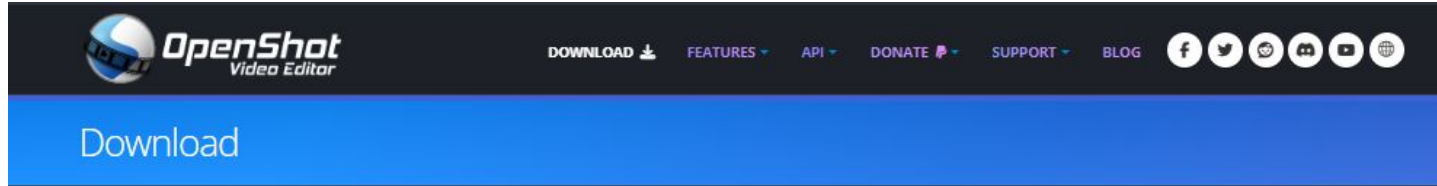
**Unsplash:** Free photographs for commercial or noncommercial purposes.

**Pixabay:** Images and videos, available completely free use under Creative Commons Zero (CC0) license.

**Pexels:** Stock photos and videos uploaded by creators under open source.

# Process of Video Resource Development

- Go to <https://www.openshot.org/>
- Click Download



OpenShot Video Editor is available for download on Linux, OS X, and Windows. We provide both direct download links and torrents. We also have daily builds available using the **Daily Builds** button below. [Release Notes](#)

**Downloading Now**

Downloading Now MediaGet

Download >

**Windows (64-bit Installer)**

Compatible with 64-bit versions of Windows 7, 8, 10+.

Download v3.4.0

Torrent | 32-bit |

Looking for a different download?

Linux Downloads

Chrome OS Downloads

OS X Downloads

Windows Downloads

Daily Builds

Source Code