



**COMPUTING
AUTUMN 2
KNOWLEDGE
ORGANISERS**

Computing Games History and PowerPoint Skills

Explore the exciting world of gaming history and learn to create amazing PowerPoint presentations. Discover how games have evolved and showcase your findings using Microsoft PowerPoint.

Modern Gaming Era

- 1 2000s: Online Gaming Explodes**
World of Warcraft connects millions of players globally. Xbox Live revolutionises multiplayer experiences.
- 2 2010s: Mobile Gaming Takes Over**
Angry Birds and Candy Crush make gaming accessible to everyone. Smartphones become powerful gaming devices.
- 3 Present: Virtual Reality Arrives**
VR headsets like Oculus Rift create truly immersive experiences. Augmented reality games blend virtual and real worlds.

Becoming a Gaming Historian

Develop your research skills to become a gaming historian. Learn to find reliable sources and take good notes.

- Use trusted websites and books about gaming history
- Take notes on important dates, games, and consoles
- Ask your parents or older siblings about their gaming memories

The Birth of Gaming

- 1 1970s: Arcade Revolution**
Pong arrives in arcades, sparking a gaming craze. Coin-operated machines become social hubs for gamers.
- 2 1980s: Home Console Boom**
Nintendo Entertainment System (NES) brings gaming into living rooms. Super Mario Bros becomes a household name.
- 3 1990s: 3D Graphics Emerge**
Games like Super Mario 64 introduce immersive 3D worlds. PlayStation changes the console landscape.



Creating a Gaming Timeline

Use PowerPoint to create a visually appealing timeline of gaming history. Show how games and consoles have evolved over time.

1. Choose a timeline layout in PowerPoint
2. Add key dates and events in gaming history
3. Include images of iconic games and consoles

Introduction to PowerPoint

1 Creating Slides

Learn to start a new presentation and add slides. Organise your information logically across multiple slides.

2 Text Formatting

Make your text clear and appealing. Use different fonts, colours, and sizes for headings and body text.

3 Adding Images

Enhance your slides with relevant pictures. Resize and position images to complement your text.



Advanced PowerPoint Features

Discover how to make your presentation more dynamic and engaging. Add smooth transitions between slides for a professional look.

- Choose appropriate transition effects
- Set transition timing for a smooth flow
- Use animations to reveal information gradually

Computing Games History and PowerPoint Skills

Explore the fascinating world of computing games and master advanced PowerPoint techniques. This unit takes Year 6 pupils on a journey through gaming history while developing essential presentation skills.

The Birth of Digital Gaming



Key Gaming Vocabulary



Algorithm

A set of instructions that tell a game how to function. Algorithms control everything from character movement to enemy behaviour.



Artificial Intelligence (AI)

AI makes game characters act intelligently. It helps create challenging opponents and realistic non-player characters.



Pixels

Tiny coloured squares that make up digital images. More pixels generally mean clearer, more detailed game graphics.

Modern Gaming Innovations



Virtual Reality

VR headsets transport players into immersive game worlds. They offer a 360-degree view and responsive environments.



Esports

Competitive gaming has become a global phenomenon. Professional players compete in huge arenas for massive prize pools.

Mobile Gaming

Smartphones have made gaming accessible to billions. Mobile games range from simple puzzles to complex strategy games.

Researching Gaming History

1

Use Reliable Sources

Look for information from reputable gaming websites and museums. Cross-check facts across multiple sources.

2

Explore Different Perspectives

Consider the views of game developers, players, and critics. Each group offers unique insights into gaming history.

3

Organise Your Findings

Create a timeline of key events. Group similar topics together to identify trends in gaming history.

PowerPoint Design Principles

Choose a consistent colour scheme that's easy on the eyes. Use contrasting colours for text and background to improve readability.

Stick to 1-2 fonts throughout your presentation. Sans-serif fonts like Arial or Calibri are often clearer on screens.

Use bullet points to break up text. Keep each point brief, ideally no more than one line.

Advanced PowerPoint Features

Animations

Use subtle animations to introduce points one by one. This helps guide your audience's attention.

Transitions

Apply consistent transitions between slides. This creates a smooth flow throughout your presentation.

Multimedia

Embed short video clips or audio to bring your gaming history topics to life.

Computing Games History and PowerPoint Mastery

Explore the fascinating evolution of computing games and develop advanced PowerPoint skills. This unit combines technological history with practical presentation techniques, perfect for Year 7 students.

The Birth of Gaming: 1970s and 1980s

1

Arcade Era

Coin-operated machines like Pong and Space Invaders dominated gaming scenes. These games sparked competitive gaming communities in arcades worldwide.

2

Console Revolution

Home consoles like Atari 2600 and Nintendo Entertainment System brought gaming into living rooms. Families gathered to play Mario and Pac-Man together.

3

PC Gaming Emerges

Text-based adventures and early strategy games appeared on personal computers. The Commodore 64 became a popular gaming platform.

Gaming's Golden Age: 1990s

The 1990s saw a leap in gaming technology. 3D graphics revolutionised gameplay experiences. The Nintendo 64 introduced analogue sticks for precise character control.

Internet gaming began to take shape. Doom allowed players to connect via local networks. Online multiplayer games like Quake paved the way for future esports.



Modern Gaming: 2000s to Present

Online Multiplayer

Massive multiplayer online games like World of Warcraft gained millions of players. Social gaming communities formed around shared virtual worlds.

Mobile Gaming

Smartphones brought gaming to everyone's pockets. Casual games like Angry Birds became global phenomena. Mobile esports emerged with titles like Clash Royale.

Virtual Reality

VR headsets like Oculus Rift created immersive gaming experiences. Players could step inside their favourite game worlds.

Researching Gaming History

1

Use Academic Sources

Explore databases like JSTOR for scholarly articles on gaming history. University libraries often provide access to these resources.

2

Verify Information

Cross-reference facts from multiple reliable sources. Be wary of unsubstantiated claims on fan websites.

3

Explore Primary Sources

Read interviews with game developers and players from different eras. These provide firsthand accounts of gaming's evolution.



PowerPoint Mastery: Design and Theme

Create a consistent look using PowerPoint's Master Slide feature. Choose a colour scheme that reflects gaming history. Use pixel art elements for a retro feel.

Incorporate gaming-inspired fonts for headings. Keep body text simple and readable. Use high-quality images of classic and modern games throughout.

Advanced PowerPoint Techniques

GIF

Custom Animations

Use animation triggers to reveal information as you speak. This keeps your audience engaged and focused.

Video

Embed Media

Include short gameplay videos to demonstrate key points. Ensure videos are compressed for smooth playback.

Document

Interactive Navigation

Create a menu slide with hyperlinks to different sections. This allows for non-linear presentation flow.

Year 8 Computing: Gaming History and Interactive Presentations

Explore the fascinating evolution of computer games and master advanced PowerPoint skills. Discover how gaming has shaped our world and learn to create engaging, interactive presentations.

The Birth of Gaming: 1970s-1980s



Gaming's Golden Age: 1990s



3D Revolution
PlayStation and Nintendo 64 ushered in immersive 3D worlds and gameplay.



PC Gaming Boom
First-person shooters like Doom and strategy games redefined PC gaming.



Handheld Gaming
Game Boy and Pokémon created a global phenomenon in portable gaming.

Online Gaming and Esports: 2000s



Mobile and Immersive Gaming: 2010s-2020s

- 1 Smartphone Revolution**
Mobile games like Angry Birds and Pokémon GO reached billions of casual players.
- 2 Virtual Reality**
Oculus Rift and other VR headsets transported players into fully immersive worlds.
- 3 Cloud Gaming**
Services like Google Stadia aimed to stream high-quality games to any device.



Advanced PowerPoint Techniques

- 1 Hyperlinked Navigation**
Create custom paths through your presentation with clickable buttons and menus.
- 2 Interactive Elements**
Embed quizzes, polls, and web content to boost audience engagement.
- 3 Visual Storytelling**
Use SmartArt, animations, and transitions to guide viewers through complex topics.
- 4 Professional Design**
Master slides and themes ensure a consistent, polished look across your presentation.



Gaming's Global Impact

Economic	Cultural	Social
Multi-billion pound industry	Influences art and storytelling	Connects global communities
Job creation in tech	Esports as mainstream entertainment	Skill development (problem-solving, teamwork)
Drives hardware innovation	Gaming terms in everyday language	Debates on screen time and addiction