



STEAM & Sports

Lesson 1 - Digital Cookbook Design

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Digital Cookbook Design

Concept

This lesson introduces students to digital editing tools for creating a collaborative cookbook using images and text from their cooking activities. It fosters creativity, technical skills, and teamwork in presenting their culinary experiences. Students will:

- (Computer Science) Learn basic image and text editing skills.
- (Art & Design) Apply principles of visual composition to create an engaging cookbook layout.
- (Language & Communication) Develop concise and clear recipe descriptions.
- (Project Management) Organize and structure content effectively.

Learning objectives and Outcomes

Upon completion of this lesson, students will know:

1. How to edit and arrange digital images for presentations.
2. How to format text and visuals to create an engaging document.
3. The importance of clear instructions in a recipe format.
4. After this lesson, students will be able to:
5. Use a selected digital tool (e.g., Book Creator Canva or PowerPoint) to edit and arrange content.
6. Create a structured and visually appealing cookbook.
7. Work collaboratively to complete a creative digital project.

Methodology

1. Hands-on digital editing
2. Group work and collaboration
3. Application of design principles
4. Reflection on the creative process



Educational standards in connection with sports

- Presenting nutritional knowledge in an engaging format.
- Promoting healthy eating habits through creative expression.
- Applying digital skills to real-world projects

This lesson includes elements of these school subjects

1. Computer Science
2. Art & Design
3. Language & Communication

Timeframe

45 min

Students Age

10-15 years

Material needed

1. Computers or tablets with selected editing software
2. Images and text from previous lessons
3. Templates or design guides (optional)



Short description of the content

Students will edit and compile their documented cooking experiences into a collaborative digital cookbook, applying technical and creative skills.

Sequence of Lesson

Engage (10 min):

- Discuss elements of an effective cookbook (clarity, visuals, layout).
- Show examples of well-designed cookbooks.

Explore (40-60 min):

- Students work in groups to edit their images, format text, and arrange recipes into a digital document.
- Experiment with fonts, colors, and layouts to create an engaging design.
- Ensure all recipes follow a clear structure (ingredients, steps, images).

Elaborate (10 min):

- Groups present their cookbook pages and discuss design choices.
- Compare different approaches and discuss improvements.

Evaluate (5 min):

- Students reflect on their digital editing experience and teamwork.
- Discuss how clear visual communication enhances understanding.

Extend (Optional)

- Print or publish the digital cookbook for school-wide sharing.
- Share online to promote healthy eating and local cuisine.

Lesson Developer

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Date: ožujak, 2025



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