



Topic: Digital Literacy and Keyboarding

Grade Level: Grade 1

Duration: 90 minutes (can be split into two 45-minute sessions)

Prior Knowledge Required: Basic understanding of technology and computers

Key Vocabulary: Digital literacy, keyboarding, technology, computers

Standards Alignment: ISTE Standards for Students

Learning Objectives:

- Identify two technologies that help address challenges related to teaching productivity
- Understand the basics of keyboarding and its importance in digital literacy
- Develop fine motor skills and hand-eye coordination through keyboarding activities

✓ Computers or laptops with internet access

✓ Keyboarding software or online tools

✓ Adaptive technology, such as keyboards with large keys or touch-sensitive screens

✓ Visual aids and graphic organizers

✓ Multimedia presentation software or tools

✓ Online resources and educational apps

Introduction to Digital Literacy and Keyboarding

"Welcome to our digital literacy and keyboarding lesson plan for grade 1 students. In today's technology-driven world, it's essential for students to master digital literacy skills to navigate the digital landscape effectively."

[Show a video or image of a person using a computer or laptop]

[Expected responses: "I use a computer at home!", "I have a tablet!", "I want to learn how to type!"]

Introduction Strategies:

- Use visual aids to support understanding of digital literacy and keyboarding concepts
- Connect to students' prior experiences with technology
- Generate excitement and interest in learning digital literacy and keyboarding skills

Differentiation for Diverse Learner Profiles

"To cater to diverse learner profiles, we will provide the following differentiated activities:"

Foundation Activity: Complete a keyboarding tutorial that introduces basic typing skills and keyboard layout (5 minutes) **Core Activity:** Participate in a guided keyboarding activity that focuses on basic typing skills and keyboard layout (10 minutes) **Extension Activity:** Create a multimedia presentation that showcases two technologies that help address challenges related to teaching productivity (15 minutes)

Differentiation Strategies:

- Visual learners: Provide detailed diagram templates
- Kinesthetic learners: Add hands-on model building
- ELL students: Provide vocabulary cards with images

Instructional Strategies and Activities

"To support diverse learning needs, we will use the following instructional strategies and activities:"

Visual Aids: Use images, diagrams, and videos to support understanding of digital literacy and keyboarding concepts **Hands-on Activities:** Provide opportunities for students to engage in hands-on keyboarding activities, such as typing games and challenges **Collaborative Learning:** Encourage students to work in pairs or small groups to complete keyboarding activities and projects

Instructional Strategies:

- Use think-pair-share for complex concepts
- Encourage students to use evidence from activities
- Create analogies (e.g., keyboarding as a game)

Adapting Materials, Content, Process, and Products

"To meet diverse needs, we will make the following adaptations:"

Materials: Provide adaptive technology, such as keyboards with large keys or touch-sensitive screens, to support students with physical disabilities **Content:** Offer visual aids and graphic organizers to support understanding of digital literacy and keyboarding concepts **Process:** Modify instructional strategies to accommodate different learning styles **Products:** Allow students to demonstrate understanding through various means, such as written assignments, presentations, or projects

Extension Activities:

- Design experiments testing factors affecting keyboarding speed and accuracy
- Research and create a presentation about the history of keyboards and typing
- Investigate and create a report about the impact of technology on education

Flexible Grouping Strategies

"To support collaborative learning, we will use the following flexible grouping strategies:"

Homogeneous Grouping: Group students by ability level to complete keyboarding activities and projects

Heterogeneous Grouping: Group students with diverse abilities to complete collaborative projects

Technology-Based Grouping: Use online tools to facilitate collaboration and communication among students

Grouping Strategies:

- Use random grouping to promote diversity and inclusion
- Encourage students to take on different roles within groups
- Monitor and adjust grouping strategies as needed

Formative and Summative Assessment Options

"To evaluate student understanding, we will use the following assessment options:"

Formative Assessments: Keyboarding quizzes, class discussions, and observations of student participation

Summative Assessments: Written assignments, keyboarding challenges, and projects that demonstrate understanding of digital literacy and keyboarding concepts

Assessment Strategies:

- Use rubrics to assess student work
- Provide feedback that is timely and specific
- Encourage self-assessment and reflection

Required Materials and Resources

"To implement this lesson plan, we will need the following materials and resources:"

Computers or laptops with internet access **Keyboarding software or online tools** **Adaptive technology, such as keyboards with large keys or touch-sensitive screens** **Visual aids and graphic organizers** **Multimedia presentation software or tools** **Online resources and educational apps**

✓ Headphones or earbuds

✓ Keyboarding worksheets or activity sheets

✓ Pencils, pens, or markers

Reflection Questions

"To ensure that all students have access to the technology and resources needed, consider the following reflection questions:"

1. How can I ensure that all students, regardless of ability level or learning style, have access to the technology and resources needed to complete keyboarding activities and projects?
2. What strategies can I use to support English Learners/Emergent Bilinguals in understanding digital literacy and keyboarding concepts?
3. How can I provide opportunities for Gifted and Talented Learners to extend their learning and demonstrate their understanding of digital literacy and keyboarding concepts in a more challenging and creative way?

Reflection Strategies:

- Use a reflection journal to document student progress and growth
- Encourage students to reflect on their own learning and set goals
- Provide opportunities for students to share their reflections with peers or the class

Conclusion

"By following this lesson plan, teachers can provide grade 1 students with the skills and knowledge necessary to navigate the digital landscape effectively."

[Distribute a summary handout or provide a quick review of key concepts]

[Expected responses: "I learned how to type!", "I understand what digital literacy is!", "I want to learn more about technology!"]

Conclusion Strategies:

- Use a conclusion activity to reinforce key concepts
- Provide opportunities for students to ask questions and seek help
- Encourage students to apply what they have learned to real-life situations