QUICK REFERENCE GUIDES FOR TECH SKILLS IN EDUCATION

1. DIGITAL LITERACY

Evaluating Online Sources

- Accuracy: Check for reliable, fact-based information.
- Authority: Look for reputable authors or organizations.
- Bias: Identify any potential bias in the content.
- Currency: Ensure the information is up-to-date.

Creating Digital Content

- Text: Craft clear and concise digital messages.
- Images: Use visuals to enhance understanding.
- Media: Incorporate videos and audio for engagement.
- Citing Sources: Give credit to original creators.

2. TECHNOLOGY INTEGRATION

Selecting Tools

- Goal Alignment: Choose tools that match learning objectives.
- Student-Centered: Opt for platforms encouraging active participation.
- Accessibility: Ensure tools work for diverse learners.
- Assessment: Select tools facilitating easy evaluation.
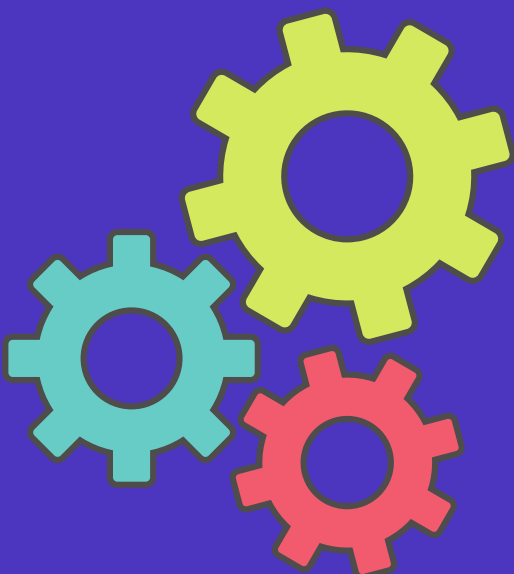
Enhancing Collaboration

- Online Platforms: Foster teamwork using digital spaces.

- Real-Time Collaboration: Enable simultaneous editing and feedback.

- Communication: Use chat, forums, and video conferencing.

- Peer Learning: Encourage students to learn from each other.
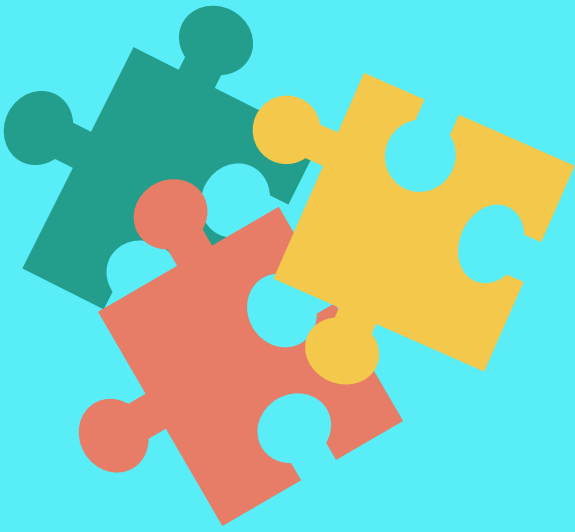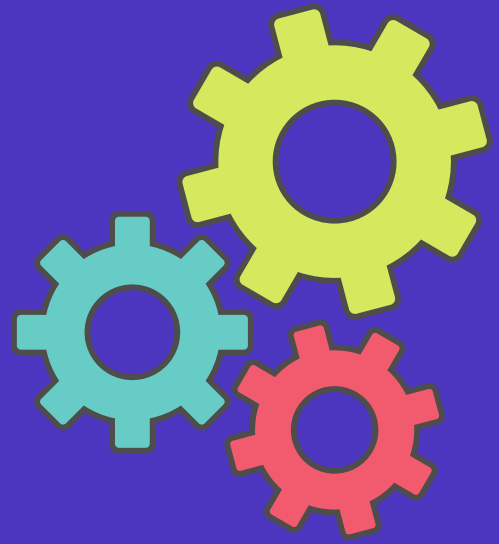
3. COMPUTATIONAL THINKING

Problem-Solving

- Decomposition: Break complex problems into manageable parts.

- Pattern Recognition: Identify recurring elements.

- Algorithm Design: Create step-by-step plans to solve problems.

- Abstraction: Simplify complex details for clearer understanding.

Creative Exploration

- Coding: Learn basic coding concepts and languages.

- Data Analysis: Use spreadsheets and graphs to analyze data.

- Robotics: Design and program robots for hands-on learning.

- Algorithmic Art: Combine creativity and computational skills.