CLASSROOM OF THE FUTURE
Redesigning Learning

Toolkit for Practical Lessons

A user guide showcasing SLS features to support the development self-regulation in practical lessons

About CotF

The Classroom of the Future project (CotF) is a multi-divisional effort where different government agencies leverage design thinking and other human-centric methodologies to **redesign the teaching and learning experience for students and teachers** to meet current and future needs.

CotF solutions enhance teaching and learning to help students to be future-ready, preparing them for an increasingly complex, interconnected, and tech-driven world.

About This User Guide

Do you have students who constantly rely on you to check their progress?

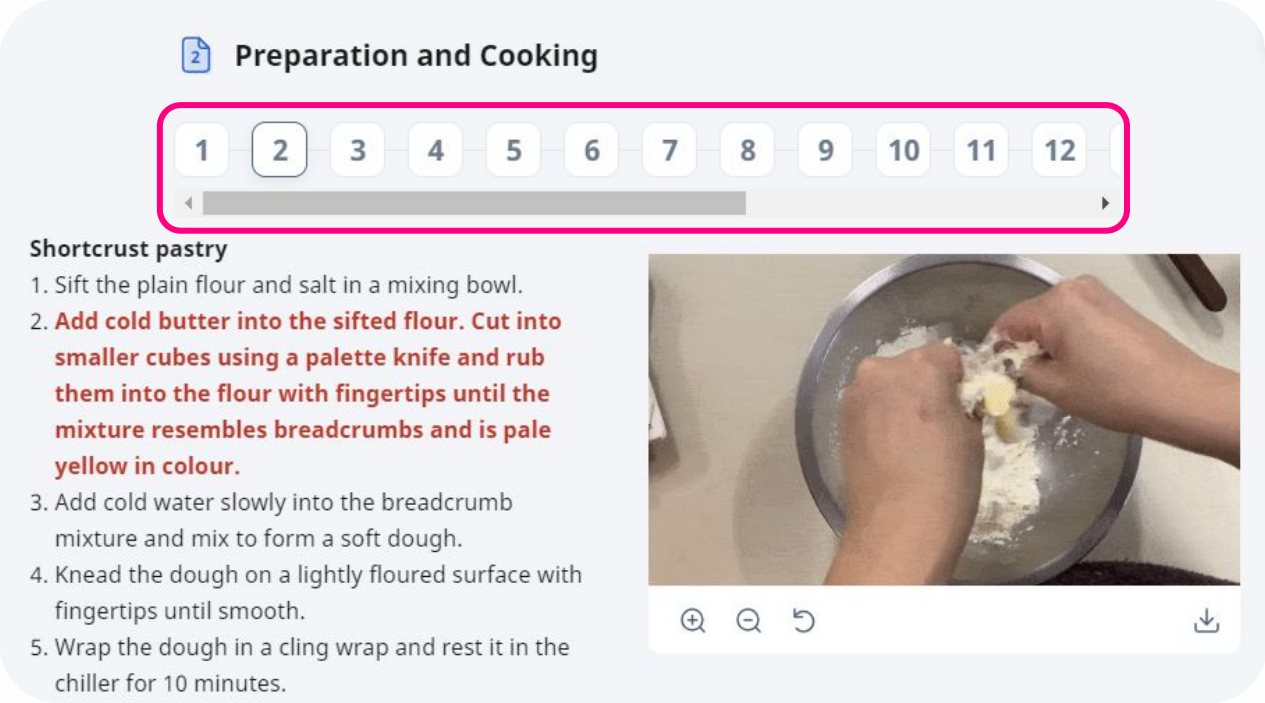
How can we help students achieve task mastery on their own terms?

Developing Self-Regulation in Practical Lessons using SLS Features

Key Elements of Lesson Design

develop self-regulation
among students of varied readiness

Enhancing learning with bite-size on-demand visual instructions

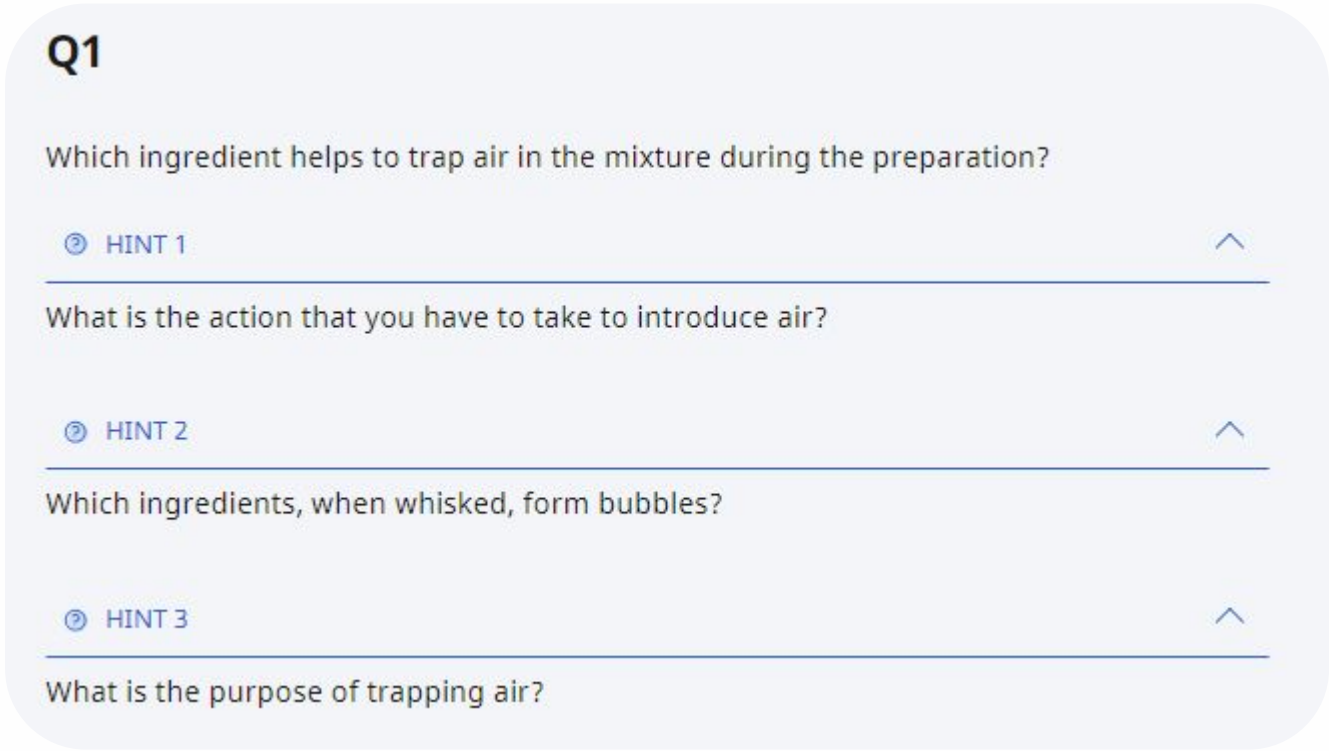


Chunk step-by-step instructions using paginated activity

Empowering Self-help with Layered Hints

Boost students independence with integrated scaffolds and hints.

- Provide opportunities to retry and learn from failures in practical tasks



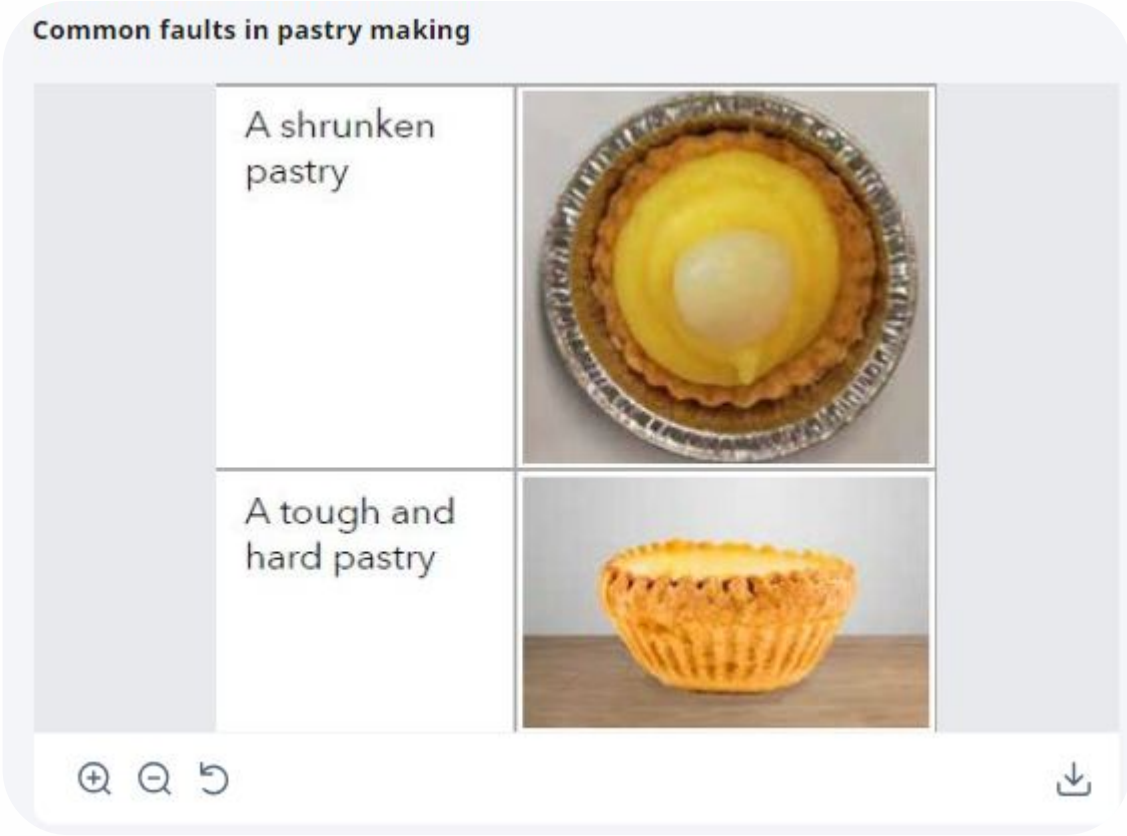
Guiding Students' thinking process with task-specific tooltips

Tooltips at specific steps help to guide students' thinking as they perform the task.

- Encourages conscious thinking during procedure execution
- Encourages learning through hands-on experience

Empowering students to monitor their progress and reflect using Suggested Answers

Include expected outcome or common faults

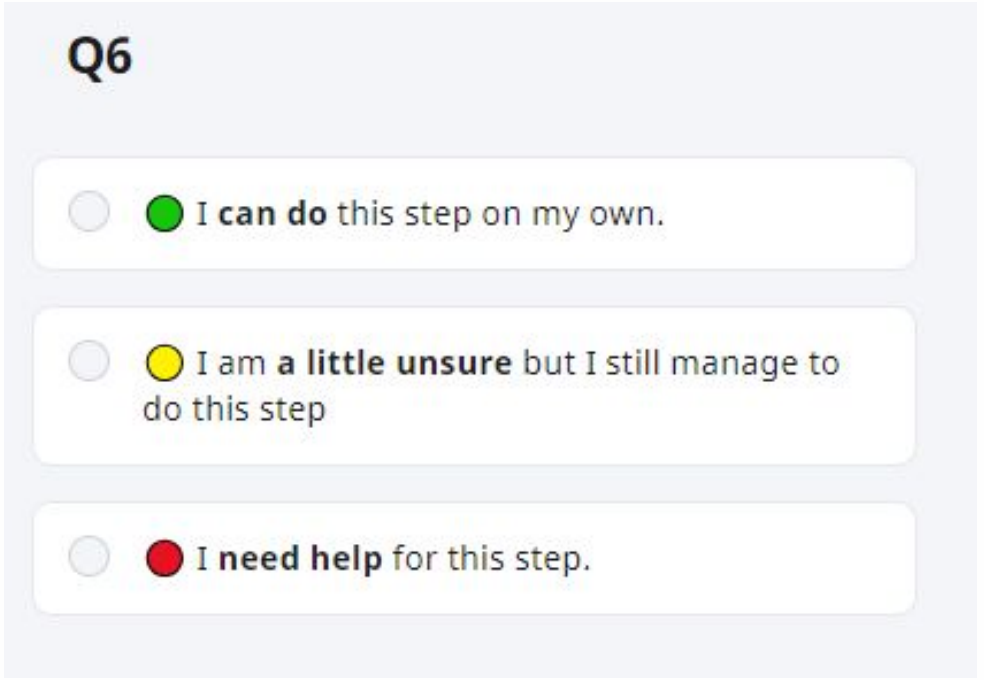


- Offers students a reference point to track their progress
- Encourages students to reflect consciously on their work

Fostering reflection with Self-Assessment Components

Self-assessment component in the form of

1. criteria for success
2. procedural checklist
3. ‘traffic light’ system



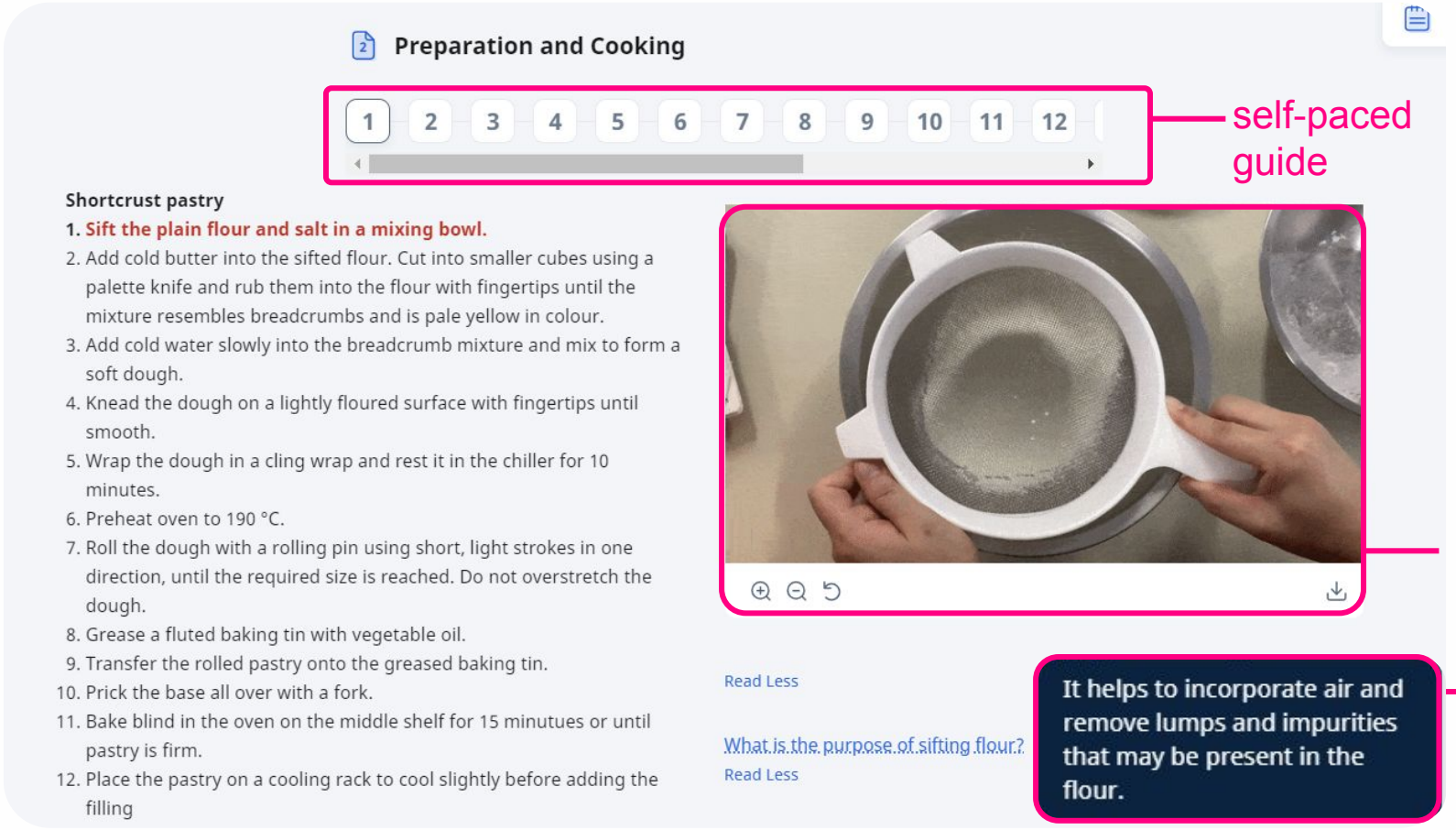
- Gauge students' confidence in practical tasks
- Provides insights into students' practical confidence levels

Sample SLS Modules

Sample SLS Modules

Sample SLS Lesson

NFS - Quiche



self-paced guide

self-assessment tool

on-demand bite-sized animations / videos (replayable)

tooltips for scaffolding

Thank you!

Explore our edtech innovations and share your thoughts with us at https://for.edu.sg/cotf