

MarkSense - Teacher's Guide to Automated Assessment

Introduction

MarkSense streamlines the assessment process, providing near-instantaneous, detailed feedback to your students while significantly reducing your manual marking time. This guide outlines the simple workflow from creating your assessment to delivering graded results.

Workflow Overview

1. **Prepare Assessment:** Create your assessment document and easily generate the corresponding MarkSense template using the built-in tools. Establish the marking rubric for AI assistance.
2. **Distribute:** Give the assessment handout (PDF or print) to students.
3. **Scan:** Students scan their completed handouts using the classroom scanner linked to MarkSense.
4. **Automated Marking:** MarkSense automatically processes each scan: identifies the student and assessment, marks multiple-choice questions, uses AI to analyze written answers against your rubric, generates feedback comments, calculates scores, and compiles a personalized, annotated feedback document for the student.
5. **Deliver Feedback:** The graded feedback document is automatically emailed to each student.
6. **Review (Optional):** Use the MarkSense application to quickly review any flagged items (e.g., answers the AI was unsure about) or browse overall class results.

Step-by-Step Guide for Teachers

1. **Creating Your Assessment:**
 - **Design Handout:** Prepare your assessment document as usual (e.g., in Word, Google Docs, or using Markdown with L^AT_EX for scientific content). Ensure clear areas for student responses (MC bubbles, written answer spaces). Export the final handout as a PDF (e.g., `Year7_Science_Term1_Exam.pdf`).
 - **Use MarkSense Setup:** Open the MarkSense application. Select "Create New Assessment Template".
 - Upload your assessment handout PDF (`Year7_Science_Term1_Exam.pdf`).
 - MarkSense will analyze the document. Use the simple on-screen tools to:
 - * Confirm or adjust the areas identified for multiple-choice questions and written answers.
 - * Specify the correct answer for each multiple-choice question (e.g., click the 'C' bubble for Question 1). MarkSense automatically creates the necessary green/red marking guides in the background template.
 - * Define where scores and overall/section comments should appear on the feedback document.
 - * Link or input your marking rubric for each written question to guide the AI analysis.

- Save the template within MarkSense. It will automatically associate this template with the assessment handout.
- **Distribute Handout:** Provide the clean assessment handout PDF (or printouts) to your students. The handout includes an embedded identifier (like a subtle QR code) automatically added by MarkSense during setup, linking it to the template and rubric.

2. Student Completion and Scanning:

- Students complete the handout.
- Students scan their completed handout using the designated MarkSense classroom scanner. The system automatically reads the embedded identifier to know which student and assessment it is, and which template/rubric to use. No manual linking is needed.

3. Automated Marking and Feedback:

- MarkSense processes each scan immediately.
- It marks the MC section, identifying correct/incorrect answers visually on the PDF.
- It analyzes written answers using the AI and your provided rubric, assigning scores and generating initial feedback comments based on the rubric criteria.
- It calculates section and total scores.
- It compiles the annotated PDF with all marks, scores, and comments.
- It automatically emails the completed feedback PDF to the student (using email addresses linked to student IDs in your class lists).

4. Reviewing Results (Optional):

- Open the MarkSense application at any time.
- Select the class and assessment you want to review.
- Browse through the digitally marked student papers.
- MarkSense may flag specific answers (e.g., ambiguous MC marks, low AI confidence on a written answer) for your quick review. You can easily override AI scores or add your own clarifying comments directly in the app.
- View class analytics and generate reports (e.g., CSV scores for upload).

Benefits for You

- **Save Time:** Dramatically reduces time spent on repetitive marking tasks.
- **Focus on Teaching:** Spend more time analyzing results, planning interventions, and interacting with students.
- **Consistent Marking:** Ensures all papers are marked against the same standard using your defined rubric.
- **Faster Feedback:** Students receive detailed feedback almost immediately, reinforcing learning.

MarkSense handles the technical details, allowing you to focus on creating quality assessments and providing timely, meaningful feedback.