

Understanding the system who needs to know what in c.21?

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who needs to know?



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CHECKOUT



search ID: mpe0133

"I'M SORRY BUT WE DON'T
ACCEPT ROYALTY CARDS."

21st-Century Skills

Foundational Literacies

How students apply core skills to everyday tasks



1. Literacy



2. Numeracy



3. Scientific literacy



4. ICT literacy



5. Financial literacy



6. Cultural and civic literacy

Competencies

How students approach complex challenges



7. Critical thinking/
problem-solving



9. Communication



10. Collaboration

Character Qualities

How students approach their changing environment



11. Curiosity



12. Initiative



13. Persistence/
grit



14. Adaptability



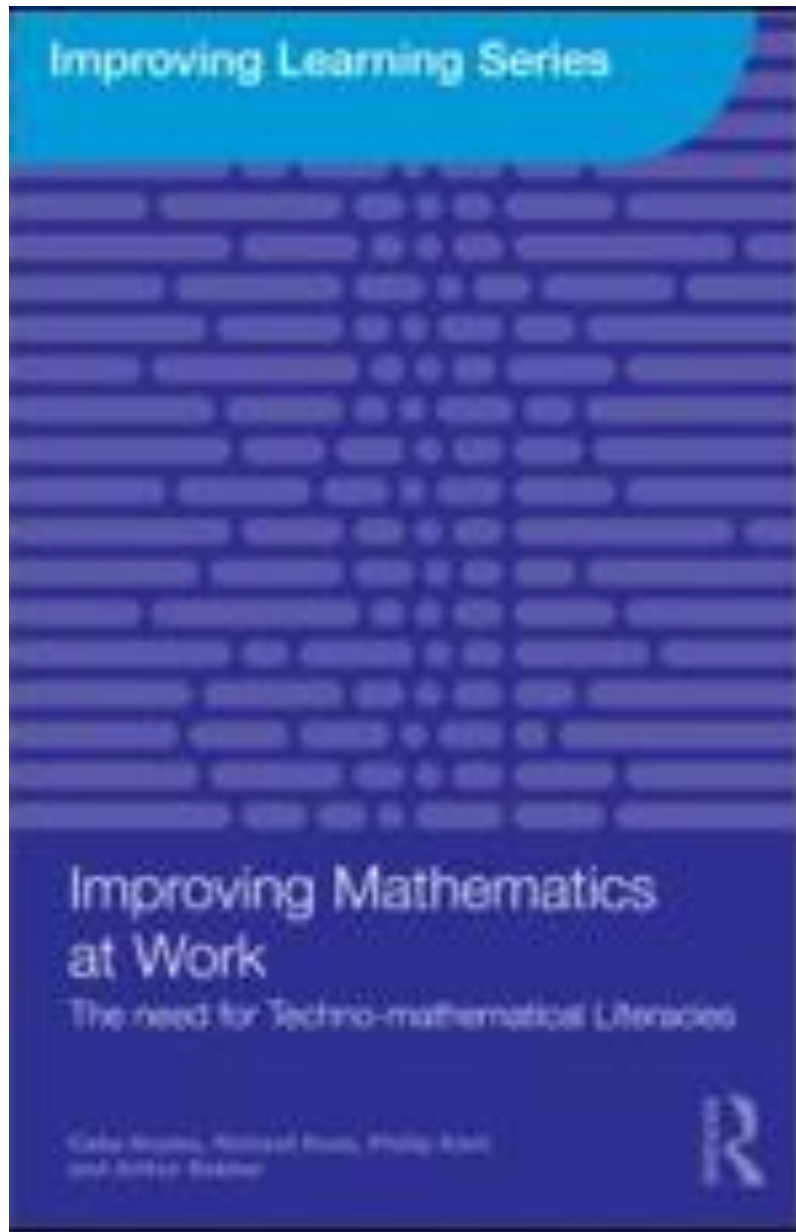
15. Leadership



16. Social and cultural awareness

new kinds of
knowledge

Lifelong Learning



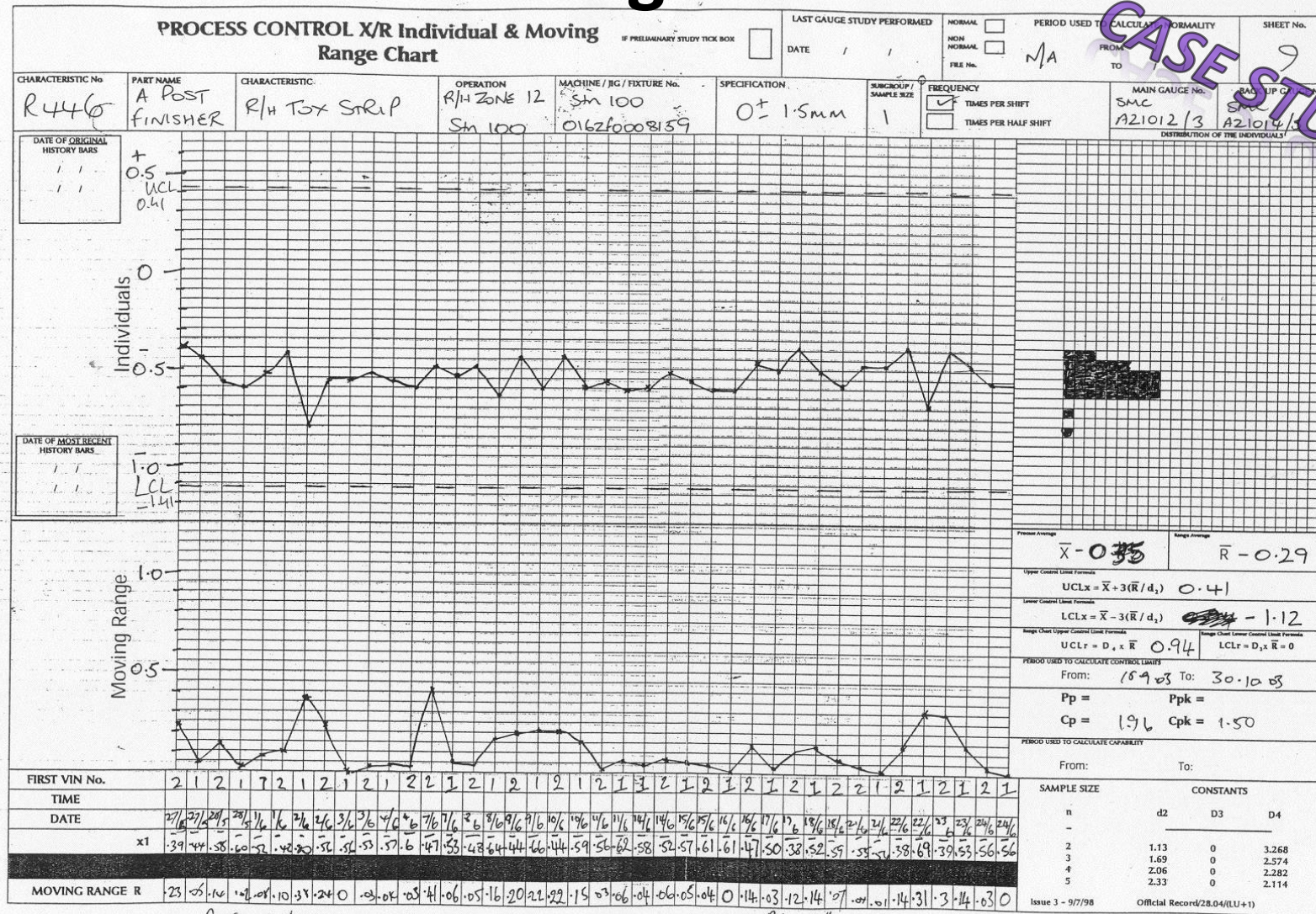
shameless advertising

Hoyles, C., Noss, R., Kent, P. & Bakker, A. (2010)

Improving Mathematics at Work: The need for techno-mathematical literacies

Routledge

car manufacturing



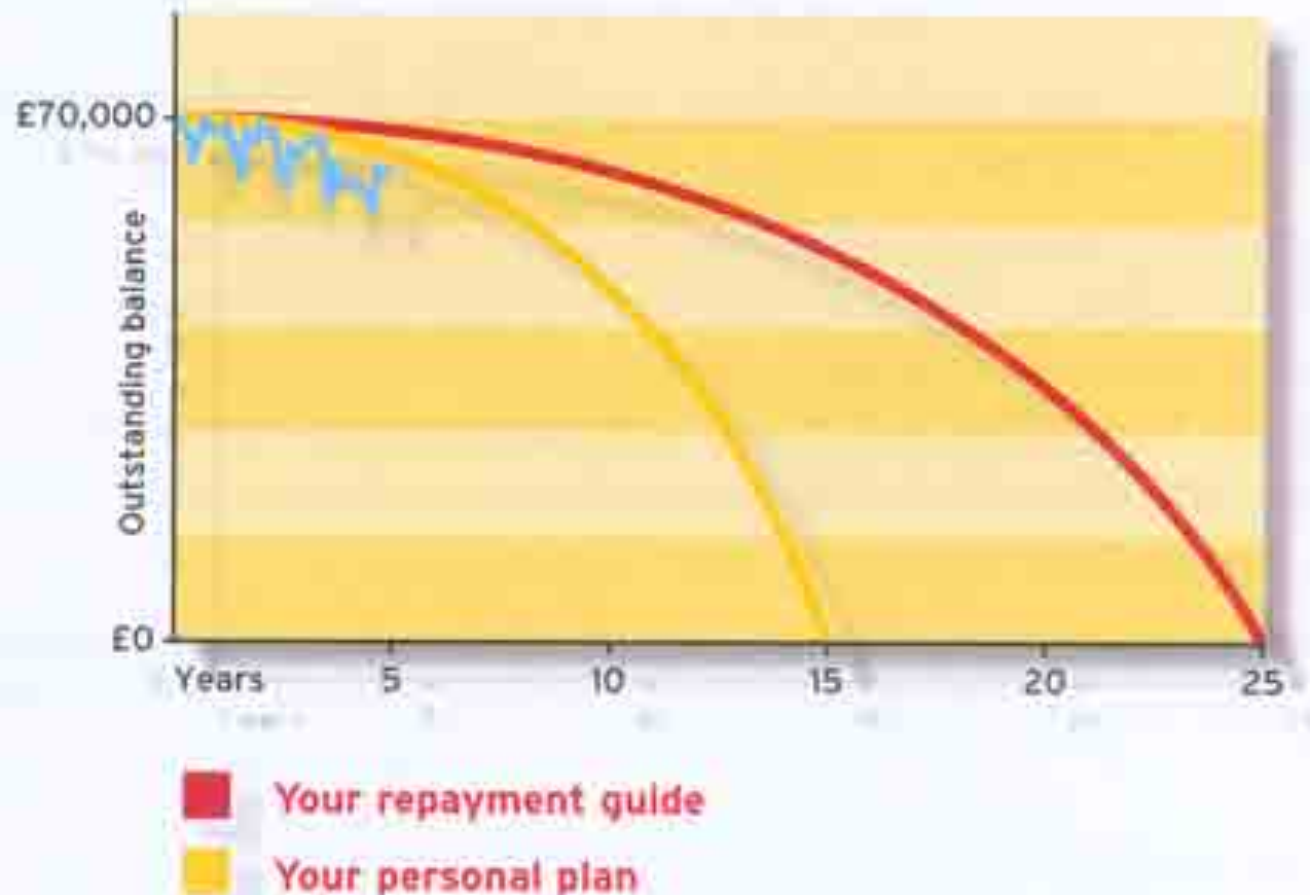
pseudo-mathematical labels



Mortgage company

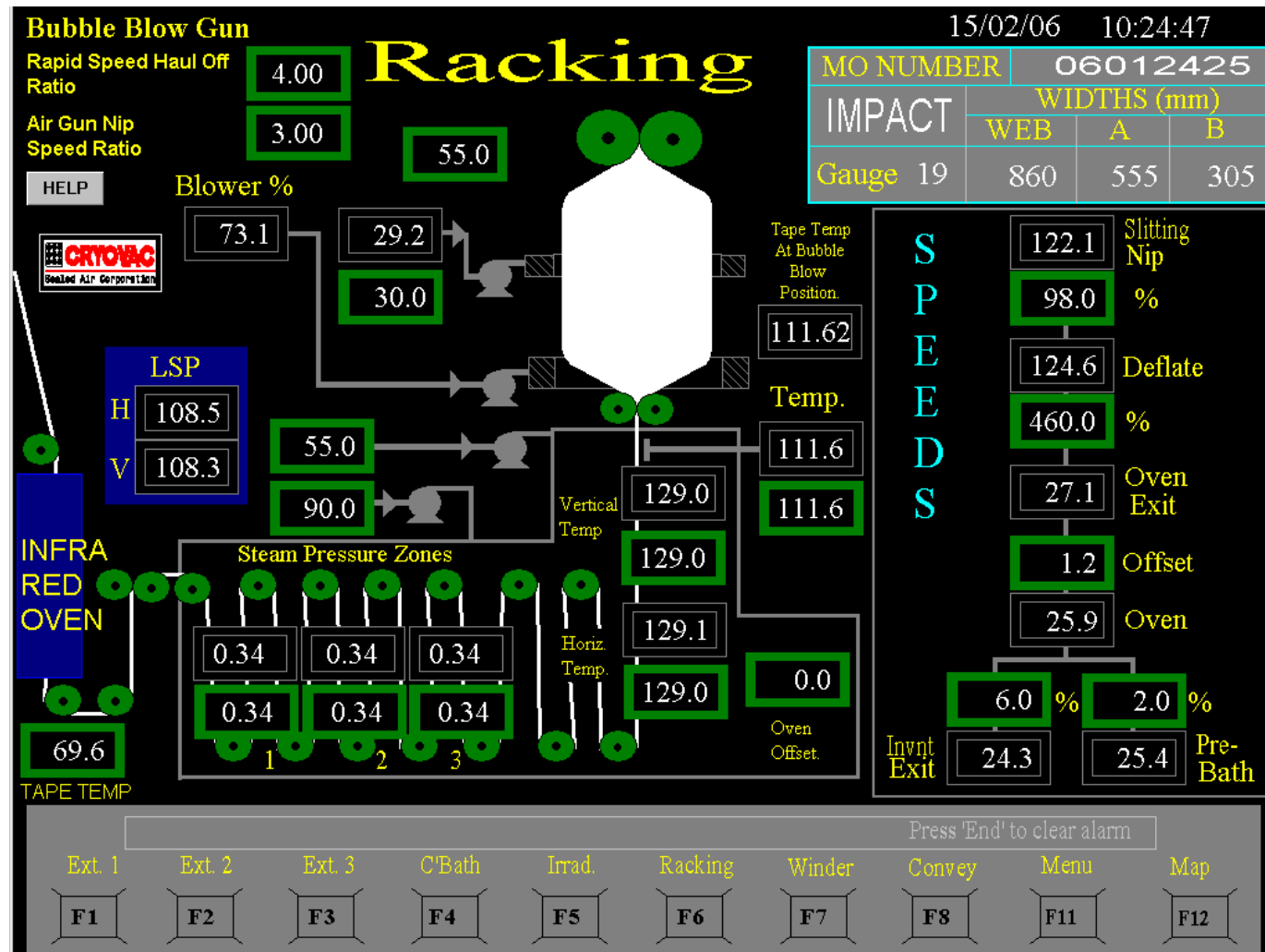
CASE STUDY 2

Our online service will give you an overview of how you're doing against this personal plan - as well as your overall repayment guide. In this example it would look like this...



Making cling-film wrapping

CASE STUDY 3



Designing for Understanding the system

