

How to drive self-regulated learning in biosciences



Mathilde Roger, Associate Professor and Digital Learning Coordinator in Biosciences at Durham University, uses *Achieve* to support large, multi-course cohorts and promote self-regulated learning.

About the courses

In a given semester, there are several hundred students across multiple courses in the Biosciences department, making formative assessment and independent study difficult to scale.

Institution: Durham University

Courses: Genetics, Introduction to Physiology, Organism & Environment

Class size: 200–250 students per course

Goal: Enable self-regulated learning at scale

Resource: *Genetics* by Benjamin Pierce

The challenge

- Large Biosciences cohorts across multiple courses
- High demand for formative practice and self-assessment
- Time-intensive test creation and marking for staff

The product

- *Achieve* is one seamless platform with interactive, syllabus-aligned learning tools
- Interactive resources aligned to course outcomes
- Auto-graded assessments with instant feedback
- *Achieve Labs* for remote and flexible access to practical skills

The solution

- Customised *Achieve* content across Biosciences courses
- Assigned pre-class activities and auto-graded homework
- Used interactive materials to support independent study



“Because test generation and marking is automatic, this means we have more time for other tasks.”

– Mathilde Roger

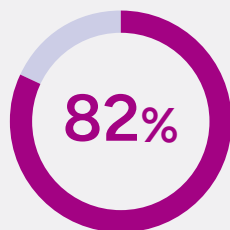


How *Achieve* improved student outcomes

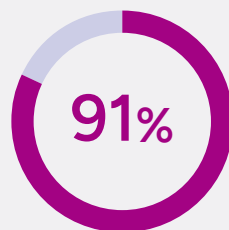
Ranking individual *Achieve* features (out of 10):

Ebook	10	Assignments	10	Lab resources	10	Adaptive Quizzing	10
Interactives	10	Simulations	10	Assessment	10	Videos/Assignments Quizzes	10

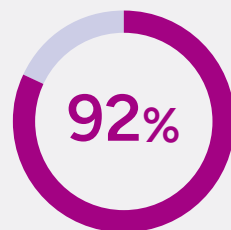
How using *Achieve* improved learning attributes



More engaged students



Support for high achievers



More self study

Results at a glance

Mathilde reported strong improvements across key learning outcomes after introducing *Achieve*.

- Increased self-study
- More engaged students
- Strong support for high achievers

Support that stands out

- Fast, responsive support from the Macmillan Learning team
- Hands-on guidance during course setup and customisation
- Ongoing partnership to support teaching goals

Highlights

- Automated assessments with instant feedback
- Interactive resources and simulations
- Fully aligned with course content

What's next

- Continued use across Biosciences courses
- Introduce iClicker polling to boost in-class engagement



"Macmillan Learning really stands out – easy to reach, super fast and efficient."

– Mathilde Roger



Get started with *Achieve* today!

Achieve brings together powerful media and assessment tools, smart insights, and seamless VLE integration. Discover how *Achieve* can support your course and boost student outcomes.

