

# gradient

## realising the promise of e-assessment

### Gradient's benefits

Faster and more consistent marking.

Enhanced student learning through personalised, actionable student feedback.

Feedback is structured for student use, even by less motivated students.

Easy reuse and adaption of past feedback.

Faster marking turnaround and improved feedback helps improve NSS scores on assessment and feedback.

Built-in quality assurance mechanisms, including mark traceability.

Support for institution-specific assessment lifecycles.

Ease of use means minimal training requirements.

### Features

Gradient provides exquisite usability for marking, generation of feedback, and student use of feedback.

Gradient makes it make it easy to assign and revise marks, including for criterion referenced marking schemes.

Feedback is easily generated, reused, personalised and supplied at the places where it is needed.

Gradient provides supportive information that help markers make decisions that lead to more consistent marks.

Sorting, filtering, overviews and helpful statistics are available at a touch of a button.

Clear visualisations make it simple to spot anomalies, whether marking or performing later quality assurance.

### Institutional Integration

Achieving a smooth workflow is as important as the easing the tasks of marking and feedback.

We are the UK's only company offering custom integration with existing institutional assessment lifecycles and related electronic systems, including Turnitin™, VLEs, ePortfolios, and student record systems.

We build systems that support existing workflow, including setting and moderation of questions, double-blind marking, marking by teaching assistants, divergent mark resolution, use of VLE-mediated scheduling and taking mechanisms, and external examination processes.

Gradient can be hosted within institutions or deployed via our hosted service.

**Please contact us for a risk-free trial that uses Gradient at [markitquickly.com](https://www.markitquickly.com).**

# Marking and Feedback

Scripts and answers are exceptionally easy to read and navigate.

All marks and feedback can be seen in context and edited in situ.

Previously used feedback can be reused and personalised, then presented to students in a pedagogically optimised form.

**Gradient** mark@hedtek.com

Q1 Mention where you come from, and describe the geology, topography and weather of that place, or the district it is in. 25 marks total, composed as follows:  
 Describe the place's geology and topography, including any major topographic features, eg rivers, mountains (10)  
 Discuss weather (4),  
 and causes of weather (3).  
 Marks are also awarded for Style, readability contributing to conveying information effectively (4), and Structure, cohesiveness of sections, and flow (4)

Q2 Describe the place's geology and topography, including any major topographic features, eg rivers, mountains (10)  
 Discuss weather (4),  
 and causes of weather (3).  
 Marks are also awarded for Style, readability contributing to conveying information effectively (4), and Structure, cohesiveness of sections, and flow (4)

Cambridge is situated about 50 miles north-by-east of London **0.5**. The city is located in an area of level **1** and relatively low-lying terrain **1** just south of the Fens **1**, which varies between 6 metres and 24 metres above sea level **1**. The town was thus historically surrounded by low lying wetlands that have been drained as the town has expanded.

The **underlying geology of Cambridge consists of gault clay and Chalk Marl, known locally as Cambridge Greensand 1.5**, partly overlaid by terrace gravel **1**.

The River Cam flows through the city. **1** It is bordered by water meadows within the city such as Sheepwash Meadows.

Located in the driest region of Britain **0.5**, Cambridge's rainfall averages just under 560 mm per year **1**, below the national average. Snowfall is small **0.5**, in part because of Cambridge's low elevation.

Due to its low lying, inland, and easterly position within the British Isles, summer temperatures tend to be somewhat higher than areas further west **2**, and often rival or even exceed those recorded in the London area.

Sunshine averages around 1,500 hours a year or around 35% of possible **1**, a level typical of most locations in inland central England **0.5**.

The relative distance from incoming Atlantic winds tends to avoid precipitation, and because of the low elevation of the surrounding area, winds off the channel are not forced up to drop rain. **2**

**marking** **model answer**

question: 2 student: 4

**23.5/25** Flag

**9/10 Geology and topography**

**One mark per pertinent fact for geology and the major topographic features**

You obviously have a good grasp of these topics. Suggest reading bit.ly/cambsgology to extend your knowledge

Comments ×

level

Comments ×

relatively low-lying terrain

good to mention this ×

varies between 6 metres and 24 metres above sea level

**1.5**  great -- dont forget the layer containing phosphatic nodules (coprolites) below gault clay ×

underlying geology of Cambridge consists of gault clay and Chalk Marl, known locally as Cambridge Greensand

Comments ×

party overlaid by terrace gravel

Students	s1	s2	s3	s4	s5	s6	s7	s8	s9	s10	s11	s12	s13	s14
Q1	2/2 100%	2/2 100%	0/2	2/2 100%	1/2 50%	2/2 100%	1/2 50%	2/2 100%	1/2 50%	1.5/2 75%	0/2 0%	2/2 100%	0/2 0%	0/2 0%
Q2	12/25 48%	13/25 52%	24/25 96%	24.5/25 98%										
TOTALS	14/27 52%	15/27 56%	24/27 89%	26/27 96%	1/27 4%	2/27 7%	1/27 4%	2/27 7%	1/27 4%	1/27 4%	0/27 0%	2/27 7%	0/27 0%	0/27 0%

# Wide Applicability

Students produce a wide variety of differently formatted material for different purposes.

Gradient offers solutions for tests, assignments and exams, and supports multiple formats, including for handwritten answer books.

Future developments will include support for formative peer assessment.

# About Us

Gradient Assessment is a development by Hedtek, the UK's premiere software house offering solutions in the academic sector.

Our principals have between them more than fifty years of experience in teaching and assessing in the Higher Education sector.

By knowing first-hand the processes within and around assessment, and problems and pain points in existing e-assessment products, we deliver smooth support for the end-to-end assessment process.

Using our system components and your VLE and student record system APIs, we deliver assessment systems that integrate with specific institutional assessment processes.

Our assistance goes beyond delivering effective software solutions; we also advise on all topics related from pedagogy to e-infrastructure support for learning, teaching and assessment.

# Contact

info@gradientassessment.com  
 +44/0 161 832 22 36

Mark van Harmelen +44/0 7830 212 464

gradientassessment.com  
 markitquickly.com

Gradient's marker in use while reflecting and personalising feedback, and an overview showing overall marking status and results.

Please contact us to experience Gradient.