# Reducing and Removing High-Stakes Assessment

### Introduction

High-stakes assessment is most often described as *one in which a student can fail a course based on their performance in that one piece of assessment, often at the end of a course, and often in an unseen examination scenario, with the potential for this to adversely affect their degree classification.* In order to mitigate the risk of one bad performance, there is general consensus across the sector that we should move away from high-stakes assessment. However, the reality of this move is not necessarily straightforward, and can be complicated by factors including student and staff expectations, historical practice, and requirements from accrediting/professional bodies. It is also not necessarily possible to state a percentage value for what constitutes high-stakes assessment as a proportion of assessment for any individual course; it is possible for a course to have only one piece of assessment (i.e. 100% of the course grade) but for it *not* to be high stakes thanks to the learning opportunities provided during the production of the work (see below for examples).

It is worth noting that, where a student's performance at a fixed point in time determines the full grade of their course, this can be challenging. Illness before or during an assessment or other challenging personal circumstances can mean that performance is affected and one 'off day' can disproportionately affect a student's grade, even with the support of 'good cause'. Whilst there are reassessment opportunities, these can be disruptive, and timings of reassessment can present further challenges in relation to engaging in opportunities for student mobility or internships.

# Purpose of this document

The purpose of this document is to provide guidance to staff who are (re)designing assessments for the forthcoming academic year, and for future (re)design. It is intended that, whilst we will not address every possible assessment scenario, this document will also provide examples against which it should be possible for you to evaluate the assessment you propose and decide what mitigation you might need, should your assessment fall into the definition of high stakes, and also to clarify what might contribute to our understanding of what is, and what is not, high stakes assessment.

# Appendix to this document (page 6)

<u>Prof Kay Sambell</u> and <u>Prof Sally Brown</u> have posted the paper in appendix one on their websites. It is their latest informal guide for busy practitioners "The changing landscape of assessment: some possible replacements for unseen, time-constrained, face-to-face invigilated exams".

The core of the paper is a table exploring pros and cons of diverse alternatives to timed unseen and in-person assessments, with useful references to some of the brilliant blogs and other work colleagues have been producing during lockdown. They hope you will find it useful: like all their previous work on these lines, they see it as a an Open Access resource, and so happy for it to be shared and used widely (but it would be lovely if colleagues told us about where you are using it if you do so). They welcome your comments and further thoughts if you have any.

# Guidance on designing assessment in which the stakes are reduced

The table below provides examples of assessments that are, or that might be, considered high stakes assessments. It is not a complete list, and when evaluating the assessment(s) you plan to use, you may need to find the closest example that is most useful for you. For each format of assessment, there is a note about ways in which it might be high stakes, and then examples of ways in which you might reduce the risk this poses, where it exists. In each case, two options for reducing risk are suggested, and either option could be adopted, or you might choose to redesign your assessment altogether.

Reducing the risk of high-stakes assessment is based on the following:

- 1. Where a single piece of assessment is proposed, there should be formative<sup>1</sup> learning opportunities that relate clearly to the final summative<sup>2</sup> submission, and on which feedback is provided in a timely manner so as to inform the final work.
- 2. The high stakes nature of assessment can be reduced by providing multiple opportunities for summative assessment, with rapid return of feedback and grade, spread throughout a course, enabling students to recognise where they need to undertake additional work to improve their understanding.

With either of these options care should be taken to avoid large assessment and feedback burdens for students or staff and where assessments are redesigned, they should be written to reduce plagiarism (e.g. not asking questions that require simple recall).

When (re)designing assessments, please also refer to the questions in the document <u>Methods of Assessment</u>, and consider changing the method of assessment if appropriate. The document contains a table listing a number of assessment methods and you might want to consider adapting one of them for your subject and context.

Finally, and as noted above, appendix one (page 6) is a paper, much of which is a table that explores the pros and cons of diverse alternatives to timed unseen and in-person assessments.

<sup>&</sup>lt;sup>1</sup> Formative assessment is work students do that helps them prepare for a summative piece of assessment. It should allow them the opportunity to demonstrate the required skills / knowledge that they will need for their summative assessment. Formative assessment is a 'no stakes' piece of work that allows students to reflect on their learning. It may be graded but the grade will not be used to calculate part or all of the final grade for the course.

<sup>&</sup>lt;sup>2</sup> Summative assessment is work that is graded, contains feedback on learning and contributes to the final grade for the course and in so doing, towards the progression threshold or degree outcome.

# Examples to demonstrate reduction in high stakes for assessment formats

Assessment formats	Is this high stakes?	Reducing the high stakes risk: option 1	Reducing the high stakes risk: option 2
One piece of assessment	Where we set one piece of assessment only for a course, this <i>can</i> be high stakes. However, it can take many forms including a single exam, a dissertation, or a final report. See below for discussion of each.	See examples for types of assessment	See examples for types of assessment
Dissertation, project	This can be high-stakes if no	If the work is created during an	If the work is created with small
report or other extended	supervision or support is given to the	extended process where formative	(summative or formative) check-points
piece of (usually written) work	student during the creation of the work.	feedback, or project supervision, is provided throughout, and this feedback is feedback for learning, the high-stakes nature is reduced.	that students are required to engage with (for example, drafting an outline, an annotated bibliography, draft chapters) on which they receive peer and academic feedback, the high stakes nature of the work is further reduced.
Presentation,	As above, this can be high-stakes if no	As above, if the work is created during	As above, if the work is created with
performance, or	support is given to the student during	an extended process where formative	small (summative or formative) check-
demonstration	the creation of the work.	feedback is provided throughout, and this feedback is feedback for learning,	points that students are required to engage with (relevant formative
Single over	A single evem is likely to be high stakes	the high-stakes nature is reduced.	activities for the assessment, such as a practice presentation with peers, drafting an outline for a report or presentation, an annotated bibliography, or draft chapters) on which they receive peer and academic feedback, the high stakes nature of the work is further reduced.
Single exam	A single exam is likely to be high-stakes because the student's grade is based	The stakes here can be reduced by providing opportunities to practice the	To remove the high-stakes nature of this type of assessment, remove the
	on their performance in one sitting.	types of question in a similar format	single exam and spread assessment
		that the final exam will take, and	across the course and include exam only for content that (for good

		opportunities for students to check their understanding	pedagogic reasons) <i>must</i> be tested by an exam
End of course	For reasons associated with allowing students to develop insights and benefit from cumulative learning, the end of course is frequently deemed to be the most appropriate point at which to undertake assessment of a range of, if not all, intended learning outcomes. However, if all assessment – or a single piece of assessment – fall at the end of the course, and if there is no formative assessment then there is no feedback for learning and students are unable to judge their capabilities or address any shortcomings in their understanding of the course.	As such, it is better to consider opportunities for formative and summative assessments during the course such that any larger component of assessment at the end of the course is attempted following some form of feedback on learning.	To remove the high-stakes nature of this type of assessment, remove the high stakes end-of-course nature. Consider assessing different learning outcomes at different points throughout the course.
Unseen	Exams are typically 'unseen' in that the student is presented with the exam paper at the time of the exam and must complete within a fixed period of time. This is often deemed preferable because it is thought to be a more reliable means of ascertaining an individual student's performance on the basis that there is no opportunity for other students to assist. However, the unseen nature of the paper means that students often prioritise recall and not the higher-level evaluative skills that we wish them to demonstrate and are usually set out in the ILOs; custom	Introduce opportunities for formative and small summative assessments during the course such that any larger component of assessment that is unseen is attempted following some form of feedback on learning beforehand.	Consider the unseen and timed nature of the assessment. If there is no good pedagogical reason why the assessment must be unseen and timed, consider increasing the time available (feedback to date on the exam diet in 2020 has shown us that 24 hours for unseen exams has proven, in general, a good test for our students), or consider making the assessment seen, or open book. Or even all three of these. This will likely mean a redesign of the assessment question away from recall and towards evaluative skills (or similar).

	and practice in exam paper design also suggests that questions often emphasise recall. In this situation this assessment can be high stakes in that if the recall of facts fails a student's grade will be adversely affected.		The assessment could also be redesigned entirely using some of the other formats described in this table.
High stakes assessment expected by accrediting body	If an accrediting body requires a form of high-stakes assessment, then by definition it will be high-stakes.	Where possible, introduce opportunities for formative assessments during the course such that any high-stakes component of assessment is attempted following some form of feedback on learning beforehand.	It is worth noting that accrediting bodies are always open to discussion about assessments and are usually amenable to changes where a good pedagogical reason for that change can be provided. Changes can be made as described above for other assessment types

# Appendix One

# The changing landscape of assessment: some possible replacements for unseen, time-constrained, face-to-face invigilated exams

Professor Kay Sambell, Edinburgh Napier University and Professor Sally Brown, Independent consultant

### Introduction

In Spring 2020, just about every university in the world was faced with a requirement to move from a substantial diet of assessing student learning on campus, in person, to methodologies that could be undertaken remotely due to the Coronavirus shutdown. Higher Education Institutions (HEIs) moved at breakneck speed to introduce new ways of assessing remotely, aiming first and foremost to ensure that no student was disadvantaged in the current crisis conditions, while at the same time ensuring quality imperatives were met. Achieving this target was undertaken notwithstanding substantial challenges, with HEIs ensuring that the perfect did not become the enemy of the achievable. The changes were often radical, innovative and creative, and there has been a huge upsurge of feeling that in reverting back to more normal conditions, the benefits of new approaches must be retained and decisions made under pressure would not be reversed without thinking through how to ensure that the long term effect on university assessment is beneficial.

Some assessment formats proved particularly challenging and onerous to rapidly switch, including, for instance, making emergency plans for a substantial diet of unseen, time-constrained, invigilated exams to be undertaken remotely. This is the area we predominantly address in this current piece, although we will also touch upon assessments that are normally undertaken on-site but which couldn't be held due to lockdown. This current guidance note builds on our earlier work on 'Contingency planning: exploring rapid alternatives to face to face assessment' and 'Fifty tips for replacements for time-constrained, invigilated on-site exams' (Brown and Sambell, 2020 a and b), both of which were produced in the earliest stages of the rapid switch. The aim is now to help those who are currently planning for a phased, socially-distanced and gradual return to campus at a point when the precise picture for the immediate future is still pretty uncertain and likely to change on a daily basis. This practitioner-orientated advice, with its comparative table of pros and cons of alternative forms of assessment below therefore, aims to act as a catalyst for teaching teams who wish to pause and think about possible adjustments to traditionally-held face-to-face assessment regimes for the academic sessions which are due to begin in a matter of weeks. While this planning phase is less frantic in one sense, in another sense, we still face the massive challenge of preparing for future uncertainty. Strict lockdown measures may, for example, be relaxed soon only to be enforced once again with the arrival of new virus spikes, and campus-based life seems likely to be under considerable pressure for some time to come, with priority attention for students' physical access to campuses initially trained on those aspects of teaching and assessment practice that are impossible to be delivered online, for the time being at least. The sensible option is likely to be to plan to make

the very best of remote delivery, if needs be in case of future setbacks. Thus, in what follows we propose some important areas to critically review and reflect upon in the time available for adjustments which colleagues could make in a matter of weeks. In other words, we are still working, for the foreseeable future, under the umbrella of the emergency approvals and regulations procedures that universities have been instigating, so the guidance note assumes that any changes suggested here will be undertaken on that basis.

The current pandemic has undoubtedly exposed some of the practical frailties of on-site existing assessment practice, which could in the longer term valuably become more authentic, fit-for-purpose, robust and resilient. But the immediate response across the sector has also highlighted some extremely positive opportunities for those who seek to modernise assessment in order to promote student learning more readily. Here we now seek to focus, primarily, on some of the possibilities for educationally positive immediate changes that could be made as an initial step, and to highlight some relatively modest adjustments to some routine assessment scenarios which might help colleagues to cope with the demands of the upcoming academic year 2020/21 and may also allow us to strengthen and intensify the features of assessment that can **actually improve student learning**.

### **Building Bridges to the Future: Assessment which Promotes Learning**

The RSA argue that there are transformational opportunities that can lead to lasting change for the good coming out of the current crisis:

"As we think of 'bridges to the future', we are thinking too of the variety of measures and activities that have been put in place during the crisis response, from those which may be most promising signs of new ways of doing things to those we see as only ever temporary." (RSA,2020).

They suggest four potential post-crisis response measures:

- End: We've done these things to respond to immediate demands, but they are specific to the crisis;
- Restart: We've had to stop these things to focus on the crisis, but they need to be picked up in some form;
- Let go: We've been unable to stop doing things that were already or are now unfit for purpose;
- Amplify: We've been able to try these new things and they show some signs of promise for the future.

In this guide we focus, then, predominantly, on accentuating the latter.

Our guidance is underpinned, as far as possible, by evidence-informed approaches on what works in other contexts to support this new endeavour, with the additional aim to design and implement good fit-for-purpose educational practices which sustain beyond the immediate dilemmas posed by the pandemic. To do so we argue that:

- a. Old-style traditional exams could be used more **rarely**, recognising that all-too-often they have limited value as authentic assessment methodologies. A case will need to be made as to why these are used, rather than relying on them as the default methodology.
- b. As part of techniques to **risk-assess and design for future crisis planning**, where these types of exams are used, questions will need to be designed in future that can readily be adapted for use in different scenarios, i.e. face-to-face on site, remotely managed or virtually.
- c. The **language of assessment questions** should be radically reviewed to focus less on recollection and memorisation of information, and more on its usage within specific contexts: we need to consider the 'learning outcomes' required by each exam question to promote more explaining, reasoning, applying and arguing, and less describing and listing (Hendry 2020).
- d. There should be a greater reliance on **reflection on practice** in examinations to ensure that students' alignment with the work being produced is authenticated.
- e. Greater use be made of **asynchronous** assessments, since these are less susceptible to crisis contexts, and can cope better with students accessing exams in different time zones. Where time-constrained synchronous exams are deemed vital, however, it could be a prudent as well as an educationally valid strategy to plan to **prerelease** materials for students to work on, so that the timed examination window itself focuses on their ability to use their preparations in ways that require them to think on their feet (after Allan, 2020).
- f. Feedback processes should become an important and integral part of assessment practices and be built carefully into any redesigns.
- g. Exam-based assessment should not result in 'sudden death' of students' progress and life chances, with less reliance on performance on a single occasion with unseen tests.
- h. Off-site exam questions should have **clear notional workloads** (e.g. if 24 hours are allowed, a guidance note could indicate that students are expected to spend no more than three on the task) and **prescribed word counts** (otherwise the workload for the markers is likely to be unmanageable).
- i. Replacements to exams must be **inclusive** and allow for reasonable adjustments for students with special or additional needs, as indeed do current exams, so has your team thought through some of the benefits, as well as the challenges, or opportunities to adjust assessment formats now?

Next, in the main body of the paper we review some of the options and adjustments we have seen used locally and globally to adjust on-site exams for remote working. We draw extensively on scholarship in the area, to integrate assessment more fully into the learning experiences of students. Some of the methods we discuss are already widely used in many HEIs around the world and some are newly minted as a result of the Coronavirus crisis. We set out below some descriptions of the methodology, together with advantages and disadvantages of each and some key points to note if you plan to adjust or replace unseen time-constrained invigilated exams and other site-constrained methodologies with these approaches. We particularly focus, where possible, on alternatives which promote assessment's **authenticity**. Building on Arnold (2019) and Sambell, McDowell and Montgomery (2013), we take authenticity to include 'employability', academic integrity and the development of professional skills (Sotiradou et al, 2019), but also to embrace other forms of realism, such as application of subject-knowledge to the local community, or learners developing the disciplinary ways of thinking and practicing of our research communities. Authenticity also implies, for us, an appropriate level of cognitive challenge, and the development of evaluative judgment which is the

lynchpin of lifelong learning (Villaroel et al, 2020). Ideally, going forward, it also will find better ways to embrace authentic feedback processes (Dawson, Carless and Lee, 2020). We also draw attention, where appropriate, to the longer-term possibilities for universal design and tactics which address issues of inclusivity. At the end we provide a range of references, including some very useful resources that have been produced at speed in these unprecedented and challenging times.

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
Take-home papers and open-book	Without reliance on	Some students will write at	Designing good questions is a skill which teachers
exams. These are accessed online,	memorizing, the focus moves	excessive length, packing all they	need to practise to develop effectively.
completed, and then submitted by	from recollection to <i>usage</i> of	can find into their answers without	
a specific deadline. They require	information, so the formats are	recognizing that different	It's important to guide students about how long is
appropriately designed questions	potentially much more	approaches are needed for this kind	reasonable to spend on the task (some will think
that don't over-rely on memory	authentic.	of paper. This makes marking	that they have to work flat out for the allocated
and recall, but instead on	Can be implemented relatively	unmanageable.	24 hours), and to provide a word limit.
interpretation and analysis.	easily in different environments	Can disadvantage students with	Students are likely to need guidance on what
Students are required to complete	and contexts.	hectic home lives, with poor internet	referencing standards you require: as used in a
questions during a set period e.g.	Can allow students to make	access or limited IT kit (some just	traditional exam (i.e. barely) or full references as
24 hours, 1 week etc.	successively better drafts.	work on phones).	required in a standard assignment.
	Can require fewer 'reasonable	The tight time-limit compared to a	
Take-home papers typically have a	adjustments' for students who	standard assignment can be hugely	Students might also need support in writing
window of time from release until	need these in traditional	stressful for some students.	under very tight time constraints see Webster
the submission deadline, often 24-	invigilated exams	Raises concerns about whose work	and Crow (2020).
48 hours or more, so that students	Are more accessible for those	is actually being submitted.	
can choose when complete the	who may typically struggle with		See Woods (2020) – on which this section draws –
paper and submit their work.	the practical aspects associated		for guidance to students on preparing to
Open-book exams, (when originally	with time-constrained paper-		undertake take-home or open book exams. See
designed as such) usually have a	based written exams.		also Heriot Watt University guidance on preparing
more defined period, perhaps two	Can remove stress for students		for open book exams (Buckley, 2020) and our
hours plus some time to upload	who don't thrive in the 'sudden		earlier 50 Tips guidance note (Brown & Sambell,
answers, but the key point is that	death' environment of the		2020b) available at DLTE
students can access materials	traditional exam hall.		https://staff.napier.ac.uk/services/dlte/Documen
during the exam, so they require			

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
appropriate question-setting and	Can help reframe learning for		ts/50%20Tips%20when%20replacing%20on-
student preparation.	students who adopt surface		site%20exams.pdf)
	approaches to learning in order		
	to 'cram' purely for unseen		Some thought required to build in mechanisms
	exam questions, rather than		for verifying it's the students' own work.
	assimilate knowledge for longer		
	term application.		
Computer-supported tests such as	Very efficient at quick testing of	Where MCQs are used summatively,	While marking is automated, the vast amount of
multiple-choice questions (MCQs)	factual material.	there may be issues around security	workload is front-loaded in the design,
used summatively		unless some form of remote	preparation and testing of questions.
	Very well suited to large	invigilation/ proctoring is used.	
In time-honoured and widely used	cohorts.		The Open University has many years' experience
MCQ formats, students answer		Question design is time consuming	of good practice in this area. They widely use
questions and submit them on-line.	Marking is automated,	and questions must be piloted	questions which are multipart, the first seeking
	straightforward and fast.	extensively to determine facility	the correct or best answer, the second part
MCQs often ask students to choose		values and discrimination indices to	seeking the rationale for the choice, potentially a
the correct answer from say five	There is a good track record of	select which questions are suitable	third requiring students to say how certain they
presented, although a variety of	their usage summatively in	to include in summative tests.	are that the answer is correct.
other computer-supported formats	disciplines including Medicine		
are widely used including 'best	and Engineering.	Needs sound expertise in question	Proprietary systems are likely to be needed to
match' questions, 'drag and drop'		design, subject content, and	ensure summative assessments are secure e.g.
questions, labelling diagrams,	Content coverage rather than	technology to support it.	Bjerrum Nielsen (2020a and b), Darcy Norman
marking crucial points on graphs,	question-spotting is good.		(2020).
answering questions on case study		Innovative computer-supported	
scenarios, completing text by filling		testing activities require extensive	There are excellent opportunities to use MCQs for
in gaps in cloze question formats,		expertise and piloting to make them effective.	formative assessment as part of learning.
and many others.		enective.	S 1 - 1150 (2045) - 11 - 1 - 1 - 1 - 1 - 1
		Poorly designed questions make	See the JISC (2015) guide to transforming
		passing by guesswork easy.	assessment and feedback.
		passing by guesswork easy.	

Alternative assessment methods that have been used to replace on-	Advantages	Disadvantages	Points to note
site exams: what are they?			
		If you want students completing the tests online worldwide simultaneously for security reasons, some students will be being assessed at unsocial hours.	
Electronic or hard-copy Portfolios Students submit collections of evidence in hard copy format or more usually nowadays electronic format demonstrating the achievement of the course learning outcomes through systematically structured evidence.  They are particularly useful in practical/ applied disciplines where evidence can be provided in very diverse forms including text, image, video, audio, practice notebooks etc.	They allow learners to present wide-ranging evidence of achievement, and to show originality and creativity alongside mastery of subject knowledge.  Portfolios can be maintained over a considerable time scale, and show development, and can be useful evidence of achievement to show to prospective employers, so authenticity can be high.  Digital formats especially amenable to designing-in and	Hard copy portfolios tend to be bulky to submit, handle and store.  Portfolios take time to mark, especially if volume/length constraints are not provided.  Assessment reliability can be quite low as different assessors tend to look for different things when assessing wide-ranging evidence of achievement.	A variety of sophisticated software packages e.g. Mahara, Pebblepad, Google, etc. can be used, to make it easier for students to collect and structure portfolio elements.  Provide clear guidance on maximum timings for video/audio material included otherwise assessors can spend many hours scrolling through material.  Some HEIs require students to provide a matrix demonstrating how evidence aligns with learning outcomes alongside a guide to the evidence provided in the portfolio, advising students that assessors will rely strongly on these to help them select which evidence to sample (i.e. they don't promise to read/ view every word of the whole
	tracking dialogic feedback processes, including uptake/subsequent action over time.  The personalized nature of the portfolio can also help to		portfolio). You might, additionally, ask learners to submit an executive summary, self-evaluation or similar, in which you require them to reflect on where, and how, their portfolio components demonstrate they meet the Learning Outcomes/criteria or critically review what has been learned.

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
	'design out' plagiarism, by		You may need to support students to appreciate
	promoting a sense of student		what critical reflection or critical thinking looks
	voice/ownership and, hence, promote academic integrity (cf		like (Webster, 2020)
	Hendry 2020).		As with many innovative formats, assignment
	Tieridi y 2020].		checklists (Gordon, 2020) can help guide student
			effort appropriately and aid the marking process,
			too.
			It's useful to consider issues of curation, feedback
			processes and whole-of-programme focus to
			maximise ongoing developmental learning
			opportunities, as opposed to having an exclusive
			focus on recording achievement (see Clarke and
			Boud, 2018).
Viva voce individual oral tests or	Allows probing questions to	With large cohorts, managing virtual	Joughin (2010) proposes a strong case for
interviews via WebEx, Skype,	check for understanding.	vivas can be hugely time consuming	increased use of oral assessment as part of a
Teams or similar.	Widely used for high-stakes	so impractical.	balanced range of assessment methods in
	assessment, such as at doctoral	Some candidates can be let-down by	present-day contexts.
Students individually, or in groups,	and Master's students and	nerves in face-to-face interactions.	,
are required in real time to answer	readily usable virtually by other		As with all forms of innovative assessment on any
questions from one or more	levels.	Technical difficulties with broadband	programme, students may need guidance on how
examiner on prepared topics.	Regarded as authentic, as many	connections and live links are	best to undertake a viva as well as practice
Sometimes questions are preceded	careers and professions may	unpredictable and can be hugely	opportunities with feedback (maybe including
by a short presentation from the	depend on face-to-face skills at	disruptive.	peer feedback) to ensure confidence.
examinee. When on-site vivas are	answering questions and giving	Students with greater social capital	<u>'</u>
not practical, we need to move to	persuasive explanations.	and advantage are likely to do	As with any other form of live assessment,
virtual formats (as has been the	The face-to-face/ live virtual	better than other students.	recordings or other forms of documentation of
case for example with international	dimension allows assessors to	Students with voice impairments	the events will be needed for quality
PhD examinations for some years).	gauge students' speed and	may not do themselves justice, and	assurance/external examining purposes.

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
	confidence at answering	hesitation (e.g. from stammering)	
	questions in 'real time', even	may be misinterpreted as lack of	Consider scaffolding student learning via, say, a
	virtually, in contrast to most	knowledge.	series of authentic assessment tasks which
	other assessment methods.	Difficult to guarantee fairness	culminate in interactive oral assessments. (See
	Probing questions can be used,	between candidates, especially	Logan, D., et al, 2017).
	e.g. 'how else?', 'why else' and	when variations in levels of probing	
	so on, to explore students'	occur.	
	depth of knowledge (cognitive	Where students are vivad in groups,	
	challenge).	there may be issues around	
		apportioning the contributions	
	Virtual vivas can enable	fairly.	
	recordings to be made which		
	are useful not only for quality		
	assurance purposes but also,		
	with permission, as resources		
	for future students.		
Virtual OSCEs (Objective	OSCEs are highly regarded as	OSCEs rely on a substantial amount	New approaches to virtual OSCEs are likely to
Structured Clinical Exams)	authentic, valid and reliable	of preparation and set up which is	need teams to design them with diverse expertise
	assessment processes in	time consuming.	e.g. subject specialists, virtual reality experts,
Students are in normal	medical and clinical education		video production staff and so on but the outputs
circumstances required to	but the process can readily be	Where multiple assessors are	are ultimately likely to form banks of Reusable
undertake a series of tasks in	extended to contexts such as	involved, inter-assessor reliability	Learning Resources adaptable for teaching as well
sequence whereby they	business, policing, law etc.	can be problematic.	as for subsequent assessment tasks.
demonstrate a wide range of skills	They allow candidates to be		
and capabilities, often in a single	tested on high-level skills, in	Moving OSCEs online can have	
assessment hall.	authentic contexts (e.g.	substantial challenges as much of	
The processes have been widely	interpreting X-rays/lab results,	the testing in conventional OSCEs	
used in medical professions, and	interviewing virtual patients,	relied on using live contexts	
also adapted into other disciplines	instrument use simulations,	Like traditional exams, they can	
	interpreting case notes, making	depend on ability 'on the day' rather	

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
(Business, Policing, Hospitality and	diagnoses, deciding on	than ongoing ability – nervousness	
Tourism etc) for many years.	prescriptions etc.).	can come into play.	
Post-Covid19, we will need to be	Assessment can be quite quick		
creative in finding ways to emulate	when detailed rubrics have		
the experience virtually, e.g. using	been developed for an OSCE.		
virtual rather than live simulated			
patients, by presenting lab test			
data on screen rather than on live			
instruments and so on.			
Patchwork assessment	Universal design principles	Can't simply be 'dropped in' as a	See Jones- Devitt et al (2017) on which this
	readily apply:-	replacement assignment as it needs	section draws, for detailed guidance, including:
"The essence of a patchwork is	Takes account of the different	to be fully integrated with	Initial briefing, student preparation and
that it consists of a variety of small	ways students learn and are	pedagogical approaches.	preparatory workshops on reflective writing, peer
sections, each of which is complete	able to express their learning in		review processes, feedback literacy and
in itself, and that the overall unity	various ways;	Students may need significant	appropriate skills development are essential – to
of these component sections,	Fosters continuous	briefing and guidance on how to	build student confidence and appreciation of the
although planned in advance, is	development and application	achieve what may be to them an	process.
finalized retrospectively, when	over time;	unfamiliar task	
they are 'stitched together'."	Allows for diversity: enables		Carefully design the patches to link to the
(Winter 2003: 112)	students to meet relevant	Students may resist the process, as	intended learning outcomes and articulate the
Each 'patch' is carefully designed,	learning outcomes in a format	it is unfamiliar and less teacher-	skills you anticipate students will develop (e.g.
as part of a larger pattern, to act as	of their own choosing, according	directed and led than other more	synthesis, creative thinking, criticality). Brief
a pivotal learning moment (so	to their own perceived areas of	familiar formats they're used to.	students clearly about this.
patchwork assessment isn't	strength;		
synonymous with portfolio	Always owned by the student,	Takes substantial and careful	Think carefully about the timing of the patches
assessment). Patchwork processes	who selects, critiques and	preparation in advance on your part	and think through the relevant logistics- e.g. is
involve students in the ongoing	justifies the work, making it an	to ensure that students form a sense	there an overarching theme to the 'stitching'? Do
and cumulative formative	authentic and (inclusive)	of the pattern, pace and scale which	you anticipate students having free choice in all
production of their materials,	approach to assessment.	underpins the whole process.	or just some selection of patches and content? It
whereby meanings are linked and			can be a good idea to decide core and optional

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
built by the student over time.	Allows for creativity and gradual		elements in advance and to make these clear to
Patches are ultimately stitched	development - final 'stitching'		students.
together to produce a fully-	patch encourages students to		
justified summative account, which	integrate their understanding of		Start small if you're unfamiliar with the approach.
is submitted for marking.	the whole module, or integrated		
	across programme of study.		Check out whether suitable technological
	Highly amenable to digital		infrastructures and systems are in place and
	production, which enables		troubleshoot them with regard to your designs.
	sharing, discussion, peer review		
	and developmental feedback		Establish clear processes for sharing and
	processes to be threaded		reviewing each patch so feedback feeds forward
	throughout.		to the next patch. Tailor patch themes to
	Flexible and evolving process		authentic contexts e.g. consider professional
	which is responsive to change.		practice from client's viewpoint, create an
	Provides vehicle in which to		information leaflet, critique an article from a
	extend personal, professional		professional journal, review current news items,
	and theoretical boundaries –		analyse data (Arnold et al, 2009).
	process can valuably be used to		
	disturb assumptions about		Indicate some sample genres so students get the
	knowledge and how it can be		idea e.g. series of Q and A, a letter of application,
	applied to a real-life		a press release.
	context/issue.		
			Discuss exemplars and run FAQs.
	Draws on personal knowledge,		
	therefore harder to farm out to		Guide the overall synthesis clearly and engage
	essay mills.		students meaningfully with assessment criteria
	Feedback, reflection and		and standards
	development of evaluative		
	judgment/metacognition are		

Alternative assessment methods that have been used to replace on-	Advantages	Disadvantages	Points to note
site exams: what are they?			
	integral to the design (see		
	Ghandi, 2016).		
Blogs	They can provide an invaluable	Students may need guidance on	Hughes and Parnell, (2008) argue that blogs can
Students are required to post, on a	online record of student work,	register, references and tone to	be a vehicle for reflective learning and that
university site or elsewhere – often	offering opportunities to be	adopt: we suggest informal without	writing frames can be used to help organize
1,000-word blogs by a particular	reflective, improving writing and	being chatty or scatological.	writing.
date for summative assessment,	analytic skills, and enhancing		
and as part of the assignment, they	student learning (Radclyffe	If sites where blogs are posted are	
comment productively on say two	Thomas 2012) and promoting	unstable, they may be difficult to	
other student's blogs.	academic integrity. Many students are already	access post hoc.	
	blogging and so the context is	Some colleagues/quality assurers,	
	reasonably familiar for them.	PSRBs etc. may need convincing that	
	Since they are relatively short in	blogs are serious academic tasks.	
	length, they are likely to be		
	manageable to mark.		
	Blogs can have a professional		
	focus to heighten authenticity.		
Publications	This can be a very authentic	Full length journal articles are rather	Students will need careful briefing of
Students are asked to write as if for	assessment method, of which	lengthy to assess.	requirements so they can fully appreciate the
journal, newsletter or magazine	students can recognise the	Students may see the task as rather	task.
submissions, with staff using their	value.	daunting and the requirements may	A side benefit is that if they are really good, the
Guides for Authors to shape	They can helpfully prescribe	be unfamiliar.	student can consider submitting for actual
assessment criteria.	wordage, referencing, style etc.		publication: quite a few do, and some succeed.
	By emulating the writing of		Some journals for undergraduate research
	published resources, students may develop a better		https://www.bcur.org/research/undergraduate- journals or student engagement also provide
	appreciation of how journal		useful opportunities.
	articles are organised and		aserai opportunities.
	structured, which might make		

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
	them more usable in their		
	information searches.		
Rough guides, leaflets and other	Students can often see the point	Students can get carried away with	It might be a good idea to require students to
public documents/outputs	of preparing outputs which have	the novelty of the format, so	submit assignment checklists which help guide
	the potential for actually being	guidance is important.	them to consider all the key features you are
As an alternative to producing a	used by the target group, as		looking for (Gordon, 2020). If these are generated
published paper, students can be	opposed to jumping through		in advance by the teaching team in dialogue this
asked to produce a guide,	assessment hoops simply to		will help ensure staff have shared expectations
infographic, graphic novel, video,	please a marker.		and standards.
explainer, diagrams with exploded			
text, workshop guide, instruction	Where these are applied (e.g. a		Involve students with the assessment criteria (e.g.
manual or similar, which educates	guide for professionals, or		via co-production exercises or in guided
a specified audience about a	members of public etc.) these		discussion) so they are clear about the standards,
complex topic. These can be	can be highly motivating.		meanings and relevant weightings of criteria and
undertaken individually as	Dog to an all the state of the		can use them to evaluate their own work in
'chapters,' which are collated into	Drafts and finished versions are amenable to submit for review		progress.
a folio/booklet to encourage			
collaboration.	and constructive feedback from		
	a range of audiences, including the intended audience.		
	the interided addience.		
	Readily adaptable to promote		
	and foster collaborative,		
	asynchronous approaches to		
	(online) working within peer		
	groups, thus building learning		
	communities (especially		
	important when remote		
	working likely).		

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-	<b>3</b>		
site exams: what are they?			
Video/audio recordings, podcasts	Students can see the value of	Students may not at first realise how	As with other innovative assessment media, good
Students can be required to submit	producing outputs in what they	much work is needed to prepare for,	briefing, training, discussion and rehearsal are
data files containing their video/	are likely to use as a very 21st	plan and deliver a seemingly	imperative.
audio recordings, and podcasts	Century medium.	informal output like a broadcast and	
that provide evidence of	These are likely to be relatively	may consequently leave it up to the	It is important that assessment criteria are based
achievement of specific learning	difficult to plagiarize or farm out	last minute.	on students' capability, expertise and knowledge
outcomes.	to essay mills.	Conversely, they may concentrate so	rather than technical specifications when they are
	Allows more flexibility and	much on the medium that they	working form home without access to loan
	choice than traditional pen-and-	neglect the message.	equipment.
	paper approaches (inclusivity).	There can be technical issues about	
		recording and data files might be	
		very large to submit electronically.	
		There can be substantial problems	
		concerning 'digital equity' in that	
		some students will have significantly	
		better access to good quality kit	
		than others.	
Evaluative comparisons and	Careful and challenging	Students who have previously	Hendry (2020) advises:
judgments Staff can set evaluative tasks which	question-setting for tightly focused assessment tasks (see	become familiar with tried and tested surface approaches to	"Avoid: "Explain the effects of obesity on public health".
require students to carefully	right-hand column for concrete	gathering academic material for	Instead use: "Create a set of five criteria and
choose and evaluate say 3 websites	suggestions) can focus students	their reports or essays may need	standards for judging the quality of websites
or similar on a given topic (after	on achieving high-order learning	support/briefing and practice in	about obesity, and apply your criteria/standards
Hendry, 2020).	outcomes while focusing on	tackling the task effectively.	to three websites, one of which is the best and
	choosing personalised source		one of which is the worst" (adapted from
	materials to evaluate/review.	If the task involves sustained access	'Designing out plagiarism: A brief guide for busy
		to websites or data bases, digital	academics', University of Surrey)
	Students are likely to perceive	equity may be an issue.	
	that the task requires original		Avoid: "Compare and contrast economic theories
	thought and their own voice, so		X and Y".

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-			
site exams: what are they?			
,	boosting a sense of academic integrity and authenticity, as well as allowing you to spot similarities.  Avoids students simply cutting and pasting from the wealth of material they can find, while allowing students the flexibility to source a variety of material (rather than rely on a few sources).		Instead use: "Locate three websites or printed texts that deal with X economic theory, then contrast the views expressed in these sources with the economic situation in country Y, and make recommendations for this country's economic future" (adapted from Carroll, J., & Appleton, J., 2001, 'Plagiarism: A good practice guide')".
Reflective Journals Students are required to write about their experiences and/or practice, relating it to their reading and knowledge gained from to their classes and providing critical analysis of what they have learned.	Reflective writing can be a powerful means of enabling students to demonstrate complex learning outcomes including critical thinking.  Students can deepen their learning by reflection, and can demonstrate analysis, creativity and originality.  When reflective journaling works well, students continually develop their learning through reflection.	Students may not fully understand what is required of them in reflective writing.  Many students, at the start at least, write extensively and uncritically and may need extensive guidance on how to write more systematically.  Unless constraints are required, the length of their writing may make marking unmanageable.  Some students may feel they need to write what they think you want to read.	Students might find Godfrey (2020) useful in understanding what critical analysis and reflection mean in academia. Carefully-guided discussion of illustrative exemplars useful. It can be really helpful to suggest tight suggested word limits on several sections to produce a critical incident account as a starting point to reflective writing e.g.:  Choose and outline an incident that you have experienced in your last placement (200 words). Describe the context in which you were working (200 words).  What action did you take? (200 words) Why did you choose that particular course of action? (200 words).  How did your choice of actions relate to your university classes and reading in the area? (200 words including at least 3 references).

Alternative assessment methods that have been used to replace onsite exams: what are they?	Advantages	Disadvantages	Points to note
	Such analytic abilities can enhance employability and develop evaluative judgement.		How would you do things differently next time? (200 words).  What did you learn from this experience? (200 words).  How were you changed (if at all) in your orientation and approach by this, or were your previous convictions borne out? (200 words).
Annotated bibliographies Students are required to list and discuss a number of references on a particular topic, explaining how they located them, why they chose these rather than other references, what they learned from them and how they can apply the learning to their particular contexts. They are often used early in a programme when students are learning how to manage information prior to essay writing.	This is a useful way to engage students with the relevant literature, rather than just collecting information on it, thereby building information literacy. Candidates can demonstrate their depth of study of the sources and the breadth of the source material they have reviewed. Plagiarism is limited. Although students may choose the same sources, it would be easy to spot identical annotations.	Students may find themselves overwhelmed by the sheer range of resources available and may have poor information retrieval skills at the outset.  Some students from cultures where set texts are used, or where teachers mandate the reference sources they are to use, may find the open-endedness of the task scary.	A collection of annotated bibliographies can be turned into a resource-bank and issued to future students as a starting place for them to develop their own bibliographies.
In-tray/box exercises Students are presented with a hard copy or virtual dossier of documents and other resources to review well before the exam with no idea of the questions being asked. They are given ample time	This kind of assessment is strong on authenticity, as it measures the skills the candidates will need in their future careers. Students can demonstrate their fitness-to-practice by justifying how they would decide to do what they chose to do.	There tends to be a great deal of preparation in putting together the documents and materials required (although the resources can be used in a modified form in future years if the questions and incidents are different).	In-tray exercises in paper form have been used for many years in many contents including Accountancy and medicine. The drawback of hard copy unseen versions tended to be the complexity of providing paper documents for each candidate within the exam setting: this is no longer a problem if virtual assessments are undertaken.

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-	Advantages	Disadvantages	Tomes to note
site exams: what are they?			
to review and annotate these	If the reading/preparatory	If real-time incidents are offered mid	
resources in preparation.	opportunity is offered in	exam to test students' flexibility,	
When the question is presented,	advance and tasks/new	these are reliant on students' ready	
they respond to the situation,	incidents are represented in real	access to secure and stable internet	
drawing on the resources in the	time this approach mitigates	links.	
dossier to support their choices of	against plagiarism and tends to	IIIINS.	
actions/ recommendations in a	be regarded as a fair judgment		
time constrained context.	of students' abilities to think on		
For example, in a Nursing exam,	the spot.		
students could be provided with a	Pre-release also allows more		
typical ward managers in-box for	time for reading, for those who		
the day and be asked to draw up	require it (traditional in-trey		
staff rotas, drug rounds etc. for the	exams expect students to read		
day. To make the exam as	the dossier in the first part of a		
authentic as possible part way	timed exam period).		
through the exam they could be	emica exam perioay.		
asked to respond in real time to			
changing context e.g a road traffic			
accident and say how their work			
plans/ priorities would change and			
why.			
,			
Another variation to the in-tray			
exam could be to ask students to			
work on preleased material, such			
as a case study, which students are			
then asked to critique under exam			
conditions. Alternatively, they			
could be asked to design a			
resource or a strategic plan in			

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-	Auvantages	Disauvantages	Points to note
·			
site exams: what are they?			
advance, and in the exam they are			
then asked to adjust it to			
accommodate a 'curveball' to the			
original scenario, such as needing			
to respond to a pandemic, or new			
policy guidelines, as a test of their			
ability to think critically, and think			
on their feet (after Allan, 2020).			
Creative Artefacts	Assessment of artefacts such as	It's really hard to assure inter-	'You are aiming to adapt to online approaches
Traditional written exams are	these is high on validity and	assessor reliability unless criteria are	rather than to replicate face-to face studio
rarely used in many subjects	authenticity.	really effectively negotiated and	practice' (Orr, 2020)
aligned to the creative industries,	Artefacts are useful as evidence	shared among the assessment team	In seeking evidence of achievement, it is quite
but the current situation has	of achievement to show	(see HEA (2012) Tenet 4 on	useful to ask for notebooks and evidence of work
shown many problems with on-site	prospective employers.	constructing shared standards in	in process when this is produced remotely to
assessments which may include for	Reflective commentaries on	communities.	ensure that the person submitting was the person
example, sculptures, paintings,	work in progress can help		who created it.
architectural designs, engineering	demonstrate the thinking that		This shift from just 'making' to 'making and
models. It's often not just the	underpins the creative		explaining' is also invaluable in encouraging
artefacts themselves that are	production.		reflective approaches to creative production and
assessed but also the process by	Documented evidence provides		revision which can demonstrate core learning
which they have been achieved,	indicators of the standards of		outcomes
and work in progress is often	evidence of achievement for		
central to both summative and	future students to work		See a range of examples in practice-based
formative assessment.	towards.		contexts <a href="https://gladhe.com/covid19">https://gladhe.com/covid19</a> , especially
In normal times assessment in situ			the video Moving Online, Creative Art and Design,
would be the norm, but currently			Staffordshire Uni, which explicitly discusses some
many are using photographic or			advantages of moving to digital submission.
video evidence of output but these			
are likely to need a reflective			
commentary as well as other forms			

Alternative assessment methods	Advantages	Disadvantages	Points to note
that have been used to replace on-		-	
site exams: what are they?			
of documentation of progress to			
give assessors confidence.			
Presentations/Performances	Allows candidates to	May be problematic to replicate the	It's important to set and stick to time limits
These may be individual or group	demonstrate communication	'live audience' virtually if a	
presentations/performances,	skills (e.g. oral, visual, physical)	synchronous approach is desired.	Clarity on assessment criteria is imperative so
usually to a live audience (other	alongside subject mastery.	Assessing presentations can be	students recognise weightings of diverse assessed
students, the public) and not just	Authentic: presentational (oral,	hugely time-consuming.	elements (e.g. information content, presentation
the assessor.	visual, physical) skills often	May be hard to strike a balance	techniques, ability to answer questions etc.)
Assessment criteria are known in	important in future	between mastery of content, and	
advance, and may include the	employment.	skills of presentation.	As above, briefing/training and rehearsal are
ability to articulate clearly,	Peer-assessment can make	'Raising the bar': expected standards	important to give each student a fair chance to
coherently and competently the	presentations/performances a	can become higher over a series of	succeed since some will have done these before
answers to reasonable questions	better learning experience for	presentations/performances as	and others won't.
arising from the	all.	assessors expect more and more.	In post covid-19 days it may be more sensible to
presentation/performance.	Can include ability to respond to	In presentations, 'impression' marks	rely on recorded and submitted rather than live
	spontaneous questions from the	can be associated with the quality of	presentations to allow for technical issues
	assessor and/or the audience.	presentation slides or resource	
		materials used in the presentations.	Recordings and other records need to be made
		Where multiple assessors are	and kept for QA/ external examiners for any live
		involved, inter-assessor reliability	presentations.
		can be problematic.	
		Broadband issues may also be	
		problematic.	

Working in partnership with students

Arguably many of these innovative approaches can offer greater possibilities for students to contribute to the assessment design, development and quality assurance processes, which Healey *et al* (2016) for example consider offers significant benefit to both staff and students. Students we suggest can in redesigning assessment post-Covid19, potentially:

- a. Help us design briefings that are clear, meaningful and recognizably authentic, thereby helping to avoid excessive numbers of queries from students who don't understand what is required.
- b. Advise us about special difficulties students might have complying with requirements, that might not be obvious to the assessment designers.
- c. Provide feedback on formats and approaches that require technologies and applications that students may not have at home (good broadband, exclusive use of laptops, the correct software, quiet places to work etc.).
- d. Advise on the extent that feedback could be helpful on replacement assessments: in many ways many innovative approaches will have more in common with course work than traditional exams, so feedback will be more relevant.

This session's assessment design has not in all cases permitted this, but we argue that in making assessment work for the best in future scenarios, we would do well to enlist students to assist us in these and other ways.

#### Conclusion

We have been faced this year with a fast-moving and unpredictable context and as discussed it seems likely that we will see significant further churn before the situation is fully resolved. That things can **never be the same as formerly** is unquestionable so it is more important than ever, to design assessments that minimise stress for students, boost their sense of authenticity and reduce the temptation for potentially hard-pressed individuals to submit their assessments using any means possible (Lawrence, 2020), while at the same time making them manageable for staff, authentic, as well as reliable and valid while maintaining the assurance of standards. Ownership, voice and manageability are all key design factors which impact positively on academic integrity (Sambell et al, 2019) so tactics which avoid over-assessment are also likely to be helpful all round, with the important benefit of lightening the marking load for assessors, too.

We are continuing to think actively about how we could build on these ideas in the longer term, to make radical and substantial reconfigurations to assessment in the future, moving beyond replacing exams to other assessments. We welcome your views and feedback.

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