



# eAssessment benefits

Using technology can bring many benefits to the assessment process and some of these are outlined below:

- Greater variety and authenticity in the design of assessments
- Improved learner engagement, for example through interactive formative assessments with adaptive feedback
- Choice in the timing and location of assessments
- Capture of wider skills and attributes not easily assessed by other means, for example through simulations, e-portfolios and interactive games
- Efficient submission, marking, moderation and data storage processes
- Consistent, accurate results with opportunities to combine human and computer marking
- Immediate feedback
- Increased opportunities for learners to act on feedback, for example by reflection in e-portfolios
- Innovative approaches based around use of creative media and online peer and self-assessment
- Accurate, timely and accessible evidence on the effectiveness of curriculum design and delivery

References:

JISC (2010) Effective Assessment in a Digital Age [online] Available from:

[http://www.jisc.ac.uk/media/documents/programmes/elearning/digiassass\\_eada.pdf](http://www.jisc.ac.uk/media/documents/programmes/elearning/digiassass_eada.pdf) (Accessed: 28.03.2020)

# INTRODUCTION

## eAssessment

### Diagnostic

- Provides the teacher with information about what students already know and are able to do
- Completed BEFORE teaching



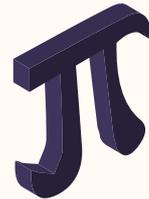
### Summative

- Monitoring and feedback to student progress, not for grading purposes .
- Completed DURING teaching



### Formative

- Sum up of what students have learned, are graded
- Completed AFTER instruction



# eAssessment Tools



## Real-time

Turn lessons into game-show as participants race individually or in teams



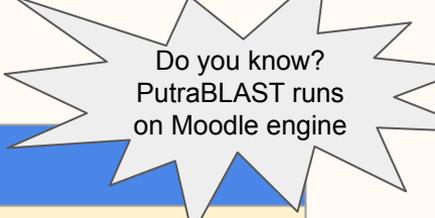
## Gamification

Lets students learn by progressing through levels



## Video-based

Embed assessment within video and test students understanding after the video view



Do you know?  
PutraBLAST runs  
on Moodle engine

Level	Moodle Assessment	
Easy	Assignment	Students to submit their coursework as a file upload or online text and allows the lecturer to assess, grade and provide feedback.
	Quiz	May be used as course exam, as mini tests for reading assignments or at the end of a topic, as exam practice using questions from past exams, to deliver immediate feedback about performance, or for self-assessment
	Forum	Allows students and lecturers to exchange ideas by posting comments as part of a 'thread'. Can be used for formative and summative assessments that require students to communicate, collaborate, debate or critique.
Medium	Lesson	Create a series of content and question pages for students, using combination of question types
Advanced	Workshop	Peer review and assessment focus, allow individual and group submission
	Wiki	A wiki can be collaborative, with everyone being able to edit it, or individual, where everyone has their own wiki which only they can edit.

# Types of Questions in Quiz



Multiple Choice



Essay



Drag and drop into text



True/False



Calculation



Drag and drop markers



Matching



Calculated  
Multichoice



Drag and drop onto  
image



Short Answer



Calculated  
Simple



Select missing words



Numerical



Embedded answers  
(Cloze)



Random short answer  
matching

# New features in Moodle



H5P offers various choice for interactive content, which can be used for assessment, e.g., Question sets used with graded function.

Note however that in PutraBLAST V3 only the total of the grade of any H5P used for assessment can be tracked.

## When to use Question sets

Question sets are useful when you want to create a sequence of problems, as opposed to multiple individual problems, for the learner to solve.

Use Questions sets to assess the learners' ability to reproduce key concepts of a compound learning material. Question sets can, for instance, be used as end-of-chapter tests or as a final course exam. You may use multiple quiz types, including Multichoice, Fill in the blanks, and Drag and Drop questions, to offer variation in your Questions sets.

Question sets can only be used stand-alone.

<https://h5p.org/tutorial-question-set>

# Recommended tutorials for assessment in Moodle

<https://adecum08.wordpress.com/2020/03/27/question-types-in-spectrum-quiz-module/>

<https://sleguidance.atlassian.net/wiki/spaces/Moodle/pages/63209481/Assessment+Overview>

<https://teaching.unsw.edu.au/moodle-assessment-tools>

<https://www.ispringsolutions.com/blog/how-to-create-a-moodle-quiz>

<https://sleguidance.atlassian.net/wiki/spaces/Moodle/pages/6291642/Assignment+-+Group>

# Other examples of eAssessment implementation

- Quiz
- Test
- Examinations
- Project
- Essay
- Report
- Video
- Portfolio
- Product
- Infographic
- Observations
- Presentation
- Interview
- Listening/speaking test

- ❖ Conducted online
- ❖ Submitted online
- ❖ Has digital proofs
- ❖ Progress trackable digitally

# 4

## Four Key Challenges

*To manage Online Exam Process*



**Internet Connectivity**



**Question Paper Generation**



**Communicating with candidates**



**Security**

Source:

<https://www.blog.epravesh.com/top-4-challenges-manage-online-exam-process/>

# Online Examination

Guidelines to Reduce the Risk of Cheating in Online Examinations:

[https://smhs.gwu.edu/impact/sites/impact/files/Firmani\\_OCEPs.pdf](https://smhs.gwu.edu/impact/sites/impact/files/Firmani_OCEPs.pdf)