



wwetb
Bord Oideachais agus Oiliúna
Phort Láirge agus Loch Garman
Waterford and Wexford
Education and Training Board

FET BLENDED LEARNING SPECIFICATION GUIDE



VERSION AND APPROVAL DETAILS

Version	Reviewed by	Approved by	Last Modification Date	Approval Date
1.0	Quality Team, TEL Team, IT Dept.	Quality Team, TEL Team	December 2025	5 th December 2025



1. PURPOSE

The purpose of this protocol is to provide a clear set of **technical requirements and compatibility standards** to ensure effective delivery of a **blended learning strategy** using Moodle and Microsoft Teams.

Objectives:

1. Define hardware, software, and connectivity requirements for both teacher's and learner's.
2. Ensure seamless interoperability between Moodle (for course management, assessments, and content delivery) and Microsoft Teams (for synchronous sessions, collaboration, and real-time communication).
3. Standardize platform access, minimize technical barriers, and support an inclusive and accessible learning experience.

2. TECHNICAL REQUIREMENTS

To maintain reliable engagement, staff and learner's should ensure their digital setup meets the following standards:



Teacher

TEACHERS REQUIREMENTS

HARDWARE REQUIREMENTS

- Desktop or laptop: Windows 11 or macOS 11+
- CPU: Intel i5/Ryzen 5 or higher
- RAM: Minimum 8GB (16GB recommended for video-heavy content)
- Storage: Minimum 250GB SSD
- Camera: Recommended 1080p HD or higher.
- Dedicated headset with microphone recommended for all users to ensure clarity and reduce background noise.
- Headset with noise cancellation recommended.

SOFTWARE REQUIREMENTS

- Moodle-compatible web browser (WWETB Recommend latest version of Microsoft Edge)
If the learner is accessing this from home:
 - Java must be downloaded and up to date (Free Download at: <https://java.com/en/download/>)
 - Pop up Blocker must be disabled for the site: waterford.etbonline.ie/
- Microsoft Teams Desktop app 1.7+ (or latest version)
- Office 365 suite for content creation (Word, Excel, PowerPoint, OneNote)
- Optional: Screen recording/editing software (e.g., OBS Studio, Camtasia)

CONNECTIVITY REQUIREMENTS

- Recommended 100 Mbps download for HD video conferencing/real time interaction.
- Recommended 10 Mbps upload for real time feedback and file sharing.

TECHNICAL SKILLS EXPECTATIONS

- Create and manage Moodle courses (upload content, configure quizzes, assignments)
- Schedule and conduct Teams meetings, manage breakout rooms
- Integrate Teams links into Moodle for seamless learner access



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LEARNERS REQUIREMENTS

HARDWARE REQUIREMENTS

- Desktop, laptop, or tablet: Windows 11, macOS 11+, iOS 14+, Android 11+
- CPU: Intel i3/Ryzen 3 or higher
- RAM: Minimum 4GB (8GB recommended)
- Camera: 720p HD or mobile webcam.
- Microphone for participation in live sessions.
- Audio: Headset/Device with Mic and speakers recommended for clarity.
- (Ideally) a quiet enclosed area to work in.

SOFTWARE REQUIREMENTS

- Moodle-compatible web browser (WWETB Recommend latest version of Microsoft Edge)

If the learner is accessing this from home:

- Java must be downloaded and up to date (Free Download at: <https://java.com/en/download/>)
- Pop up Blocker must be disabled for the site: waterford.etbonline.ie/
- Microsoft Teams Desktop app 1.7+ (or latest version)
- Office 365 suite for content creation (Word, Excel, PowerPoint, OneNote)

CONNECTIVITY REQUIREMENTS

- Recommended 100 Mbps download for HD video conferencing/real time interaction.
- Recommended 10 Mbps upload for real time feedback and file sharing.

If learners are unsure of their own connectivity or how to check this, they should be directed to the following online speed checking tool:

[Speed Test by Measurement Lab](#)



Test Your Speed

M-Lab's Speed Test provides advanced diagnostics of the performance of your broadband connection through quick measurements.



I agree to the data policy, which includes retention and publication of IP addresses.

TESTING 



Test Your Speed

M-Lab's Speed Test provides advanced diagnostics of the performance of your broadband connection through quick measurements.



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AGAIN 

Results

		NDT 	MSAK 
	Test Server	Dublin, IE	Dublin, IE
	Download	174.01 Mb/s	185.50 Mb/s
	Upload	130.03 Mb/s	127.51 Mb/s
	Latency	4 ms	4 ms
	Retransmission	0.05%	0.01%

TECHNICAL SKILLS EXPECTATIONS

- Navigate Moodle to access course materials, submit assignments, participate in forums
- Join and interact in Teams meetings, use chat, share screens
- Access downloadable resources, follow instructions for assessments



DEVICE COMPATIBILITY

All devices should support access to WWETB's:

- Learning Management Systems (LMS) – Moodle



- Virtual Learning Environments (VLE).



Note: Browsers should be kept up to date to ensure full functionality

PLATFORM COMPARISON

WWETB supports both Moodle and Microsoft Teams for blended learning delivery. Each platform offers unique strengths:

- Moodle: Best suited for structured course delivery, assessments, and learner tracking.
- Microsoft Teams: Ideal for live sessions, communication, and integration with Office 365 tools.