

DiscoveryLab



- > Positive, real-time video playback for easy and effective self evaluation**
- > Create Time-efficient & objective Peer to Peer evaluation experiences**
- > Teachers gain valuable insights into their teaching practice**
- > Help teachers provide evidence of meeting AITSL teaching standards**

DiscoveryLab is a Teacher-controlled, video recording system to give effective, real-time playback for teachers to gain valuable insight and feedback on their teaching practice.

PD Mode

This is the primary mode of operation for DiscoveryLab. It gives educators real-time playback with teacher and student perspectives, giving them an excellent picture of exactly what is happening in the room. Couple this with high quality audio capture, DiscoveryLab gives a complete package to gain valuable insights into teaching practice for teachers. Primarily for self-evaluation of lessons, DiscoveryLab can also be utilised in peer-teaching observation groups, as well as sharing exemplary teaching practice with colleagues.



Lecture Mode

This recording mode gives a picture-in-picture playback. It shows the content of the user's AV device (laptop/iPad/tablet) with an inset picture of teacher/presenter as a smaller picture in the lower corner of the screen. The main applications for this mode are Flip Learning, in-house PD sessions and creating induction resources for new staff.

Research shows observation of classroom teaching, linked to timely and useful feedback that focuses on improvement, is a particularly useful tool for teacher development, and is the most commonly used form of evidence across OECD countries.

The Australian Teacher Performance and Development Framework AITSL

At the beginning of the cycle, the data from classroom observations helps you to set goals effectively and realistically as it gives you evidence in relation to your strengths and areas for development.



Throughout the cycle, the data from observations of your practice helps you to ascertain goal achievement and to continuously improve your practice.

At the end of cycle, the data from observations helps you to evidence your performance and development in your review discussion.

Main Six Benefits/Applications of DiscoveryLab

1. Self-evaluation

DiscoveryLab gives a teacher the ability to record their lesson direct to USB and gain valuable insight into their teaching practice. Whether you discover positive teaching or ways to make positive changes, DiscoveryLab allows you to view “observable truths”, where the feedback is objective, rather than subjective (through another person).

2. Peer-to-Peer Observations

Many schools are using peer-to-peer observations to gain feedback of a teacher's practice. Whilst teachers gain feedback in this model, DiscoveryLab cuts through the barriers of perception, personalities and changed classroom dynamics to give a realistic, real-time evaluation tool for teachers to gain objective and measurable feedback.



3. Triad team observations

The Triad system presents the challenging dynamics of timetabling these sessions, which often occur on an irregular frequency. It also creates the same issue of “changed classroom dynamics”. DiscoveryLab solves these problems by having recording done in a natural classroom setting, recording direct to USB, which allows teachers to review the lesson at a time convenient to every party involved. Using this tool allows for many more observations to take place throughout the year.

4. Provide evidence for meeting AITSL standards

Using the medium of video, DiscoveryLab provides a unique resource (recording) for teachers to observe their teaching objectively. This allows the teacher to provide accurate and measurable data as evidence of achievement of specific teaching standards.

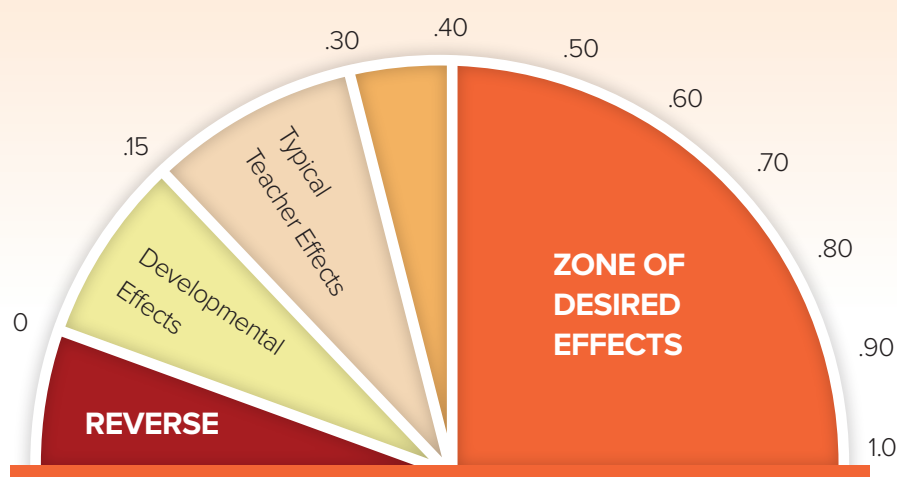
5. Sharing exemplary practice; encouraging teachers

Ultimately, good teaching should be shared and acknowledged. DiscoveryLab recording of any given lesson to be shared with other colleagues can observe exemplary practice that is relevant to their schools pedagogy and culture. This in turn, can create an ongoing culture of encouragement and support for all teachers in their professional practice.

6. Know Thy Impact

Educational researcher John Hattie in his research-based book “Visual Learning for Teachers”, suggests that Microteaching (the ability to video record and then analyse this footage), is amongst the Top 5 influencers on student achievement.

This gives a teacher the ability to self-evaluate and see the impact they are having in their classroom. Hattie explains that influencing factors that have an effect size of 0.40 or greater is what teachers should focus on for maximum impact on student achievement. Microteaching has a major influencing factor of 0.88, making DiscoveryLab a powerful tool for teachers in gaining effective feedback on their teaching.



Source: <http://www.education.vic.gov.au/Documents/about/research/ravisiblelearning.pdf>

Technical Features

- HD recording ability
- Mpeg 4 compact recording format
- Ability to save directly to Network Drive (if required)
- Ability to stream content live (if required)
- VGA & HDMI input capable



Options

- PTZ camera (Pan, Tilt, Zoom)
- Wireless Microphone
- Confidence display (see what will be recorded before you start)
- Touchscreen control panel

