



Clickers - An innovative Learning and Assessment Tool For Backflow Education

Presenter

Nick Fleckney,

Manukau Institute of Technology



Backflow Backflow Backflow.....

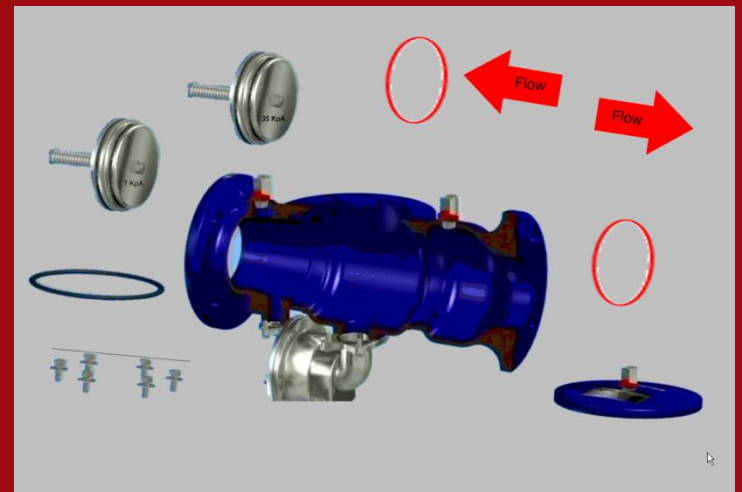
Backflow is an intriguing name to many.

As a Professional Educator Backflow is an exciting, challenging content rich subject to teach.

However this poses a problem.

Given the complexity of the subject matter and Unit Standard requirements, except for a major exam, how do I know what is being taught is being learnt by the students in the classroom?





Students learn the best when.....?

- A. They nod off in the back of the class,
- B. They know a test is coming up,
- C. They are engaged in the class material,
- D. All of the above.

The CPS™ student response pads or "clickers" are small, handheld devices that allow students to respond to questions asked verbally, on paper or on screen and enables you to instantly assess their comprehension of your lessons.

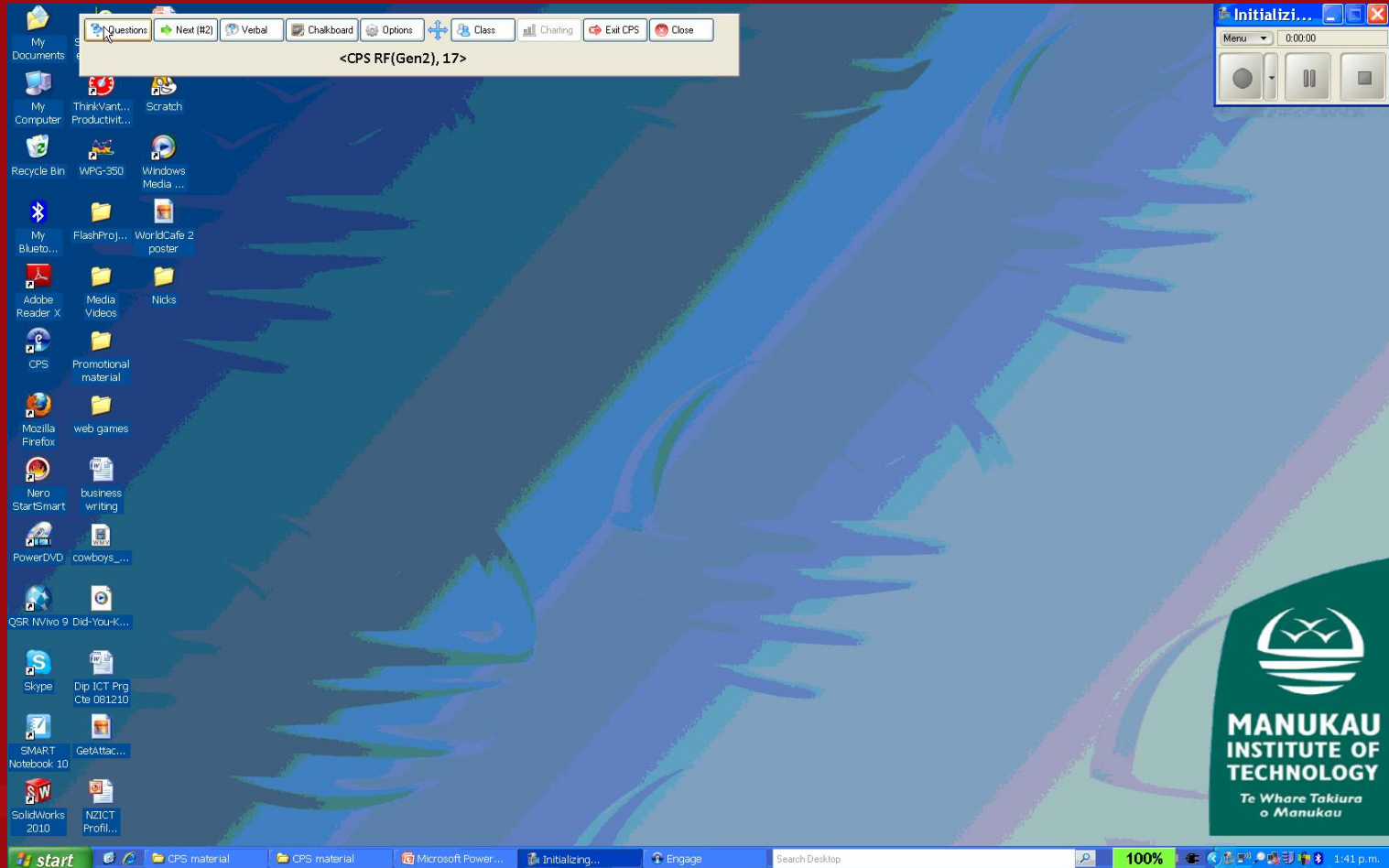
The receiver connects directly to your computer's USB port. Since it is small, light, and easy to install, CPS™ is easily transported from room to room....and from the North Island to the South Island



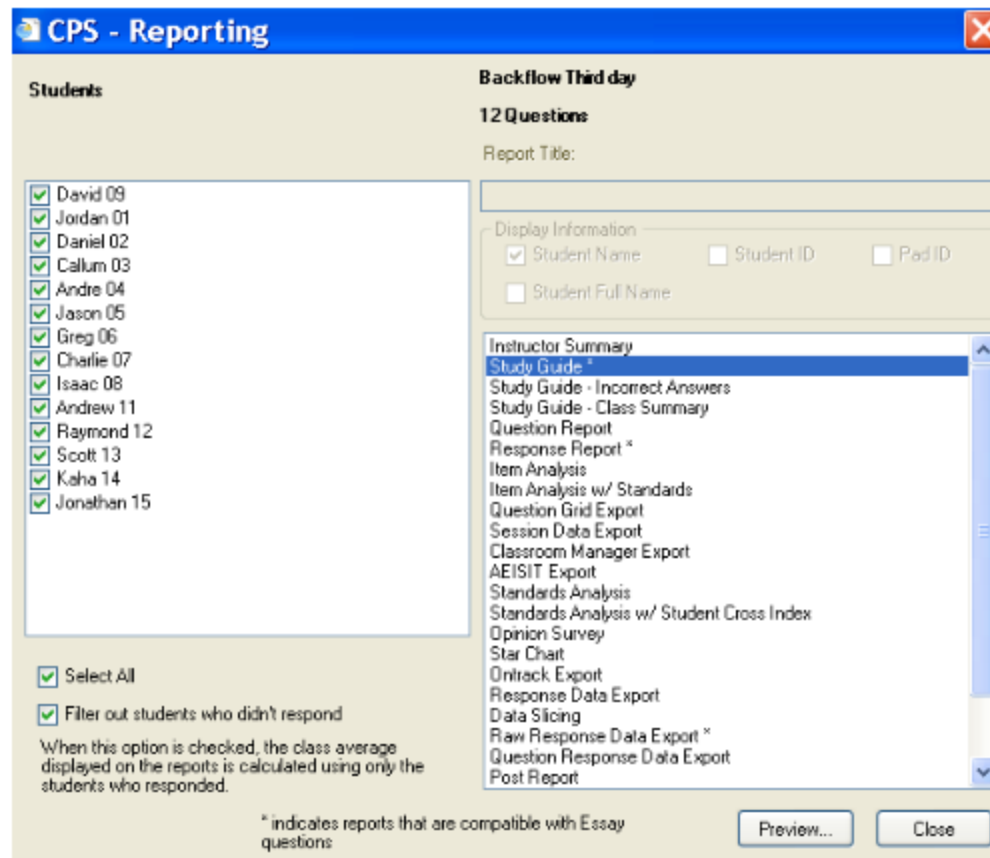
During or at the end of each exhilarating theory session CPS is used as a means of Formative and/or Summative assessment to ascertain the learner's progress and understanding of the lesson being delivered.

Classroom observation has indicated that CPS can engage students, promote collaboration, increase communication, and provide instant feedback to the student and facilitator.

This enables the facilitator to identify areas for improvement and remedy these instantaneously.



Results and feedback are instant.



CPS - Reporting

Students

- David 09
- Jordan 01
- Daniel 02
- Callum 03
- Andre 04
- Jason 05
- Greg 06
- Charlie 07
- Isaac 08
- Andrew 11
- Raymond 12
- Scott 13
- Kaha 14
- Jonathan 15

Select All

Filter out students who didn't respond

When this option is checked, the class average displayed on the reports is calculated using only the students who responded.

Backflow Third day

12 Questions

Report Title:

Display Information

- Student Name
- Student ID
- Pad ID
- Student Full Name

Instructor Summary

- Study Guide *
- Study Guide - Incorrect Answers
- Study Guide - Class Summary
- Question Report
- Response Report *
- Item Analysis
- Item Analysis w/ Standards
- Question Grid Export
- Session Data Export
- Classroom Manager Export
- AEISIT Export
- Standards Analysis
- Standards Analysis w/ Student Cross Index
- Opinion Survey
- Star Chart
- Ontrack Export
- Response Data Export
- Data Slicing
- Raw Response Data Export *
- Question Response Data Export
- Post Report

* indicates reports that are compatible with Essay questions

Lets give it a whirl



Acknowledgements

Tyco Flow Control, cross sectional view and components, RPZD.