Why Moodle in Secondary Schools?

Presentation to the Moodle MOOT
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Wonthaggi Secondary College and Bass Coast

- 1467 students.
- Wonthaggi SC
- 2 campuses.
  - Dudley campus Years 7 – 9.
  - McBride campus Years 10 – 12, 620 students.
  - 3rd campus planned
- Covers 864 KM$^2$
- 50 Townships.
A bit of my history 2009 - 2019

- Back in teaching from industry 2009.
  - Previous Moodle experience.
  - Used my laptop as server.
- Only one using Moodle at WSC until 2013.
- 2019
  - Learning Specialist – new position
  - VCE VET Trainer Certificate III in Creative and Digital Media and Certificate II in Business
  - Year 11 and Year 12 Studio Arts VCE Teacher
Senior Secondary School – Victoria
Victorian Curriculum and Assessment Authority (VCAA)

- The big three ‘V’s
- Victorian Certificate of Education (VCE)
- Victorian Certificate of Applied Learning (VCAL)
- Vocational Education and Training in VCE/VCAL (VCE VET)
  - Available for both VCE and VCAL students
- Year 11 and 12 (16 – 18 years of age)
Differences

- VET available to both streams – many scored programs for VCE
- VCE – Pathway to University – 2 year course
  - Study Scores contribute to Australian Tertiary Achievement Rank (ATAR)
  - Broad general senior education
- VCAL – Pathway to Work, Training, and/or Apprenticeships/Traineeships
  - 2 days a week work
  - Can include School Based Apprenticeships or Traineeships
- MUST do 90 hours of Vocational Education and Training
2019 experience Combined Classes

- VCE VET Certificate III in Creative and Digital Media (CDM)
- VCE VET Certificate II in Business
- VCE students, Year 11 and 12 – VCAL students, Year 11 and 12 – Integration students – School Support staff. All at the same time in the same classroom
- Outreach students – working from home. (A story spoken in Perth and for another time)

HOW????
Some definitions: Differentiation

- The ability to educate and train students in the same class with differing needs and levels.
- Teachers who differentiate effectively call on information that pinpoints what students know now, and what they are ready to learn next.
- How teachers target their instruction to extend the knowledge and skills of every student in every class, regardless of their starting point.
Blended Learning

- Blended learning comes in many shapes and sizes – there is no right way or wrong way,... Each approach is based on the needs of the students, the curriculum and the resources available. [“Blended Learning” Victorian DEET, (2011)]

- ...lead[s] to higher-level and higher order thinking skills... [Pregot, (2013)].
Learning Management Systems (LMS) vs Student Management Systems (SMS)

- Large awareness gap in our school regarding the difference.
- Activities in our SMS (Compass) are very simple – upload predominantly.
  - Common Assessment Tasks being built
- Moodle (LMS) allows a vast range of flexible, clear, accessible tasks modified (differentiated) for group, cohort and/or student
  - Assessment and Grades available
Free stuff for Victorian Government Schools
(Paid for by the State Government)

- Google Docs
- ClickView video platform
- Adobe Suite
- Office 365

Paid stuff in Victorian Government Schools
(Paid for by Schools)

- Compass Student Management Software
- Report writing software, Timetabling software etc
- Individual schools choose
Why Moodle?

- Easily set accessibility.
- Ensure all students have an individual pathway.
- Video and direct teacher instruction (blended).
- Sequencing.
- Intensive use of step-by-step videos
  - Clear instruction as to using the videos
  - Success indicators
  - Allows students from all abilities to progress.
How is Moodle the glue?

- Office 365 to save to the cloud, email, Office Docs, collaboration with Teams and Notes
- Compass for marking rolls, Discussing attendance, behavior, report writing and Common Assessment Tasks
- Moodle for course documentation, topics, week-by-week, submissions, progress, assessment, participation logs and many different types of activities.
- Used across providers including TAFE and DECV.
- Students knowledge of Moodle use enhances their tertiary experience.
Examples
relies on groupings

- The magic...
- Access
Intermediate VCAL CDM Year 1

- Partial Certificate III Program
- 3 periods a week
VCE Year 11 CDM Year 1

- Full Certificate III program
- 1st year. 5 periods a week.
Special Needs CDM VCAL Year 1

- Motor skill
- Computer literacy
- Sees no difference when glancing across to others.
VCAL Year 1 - Business

- Same room, same time, 3 periods a week.
- Different Course
VCE CDM Year 12 - Year 2

- Same Room 5 periods a week
- Different course in Moodle
- SACs – Study Score
Senior CDM VCAL (Year 12)

- Same Room 5 periods a week
- Different Course
Example Year 11 CDM VCE/VCAL

<table>
<thead>
<tr>
<th>Units of competence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headstart Flash Face VCAL and VCE students</td>
</tr>
<tr>
<td>World Wide Web VCE students only</td>
</tr>
<tr>
<td>Programming VCE students</td>
</tr>
<tr>
<td>Photoshop Slices. VCAL and VCE students</td>
</tr>
</tbody>
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### OHS issues with computers, Websites for Kids

- Safe@work video
- Upload your Safe@Work certificate for the ICT industry

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**Digital Learning@Wonthaggi Secondary College**

**Welcome to Interactive Digital Media**

- Rotoscoping - Headstart
- Frogger...
- World Wide Web
- Photoshop Slices.
- The Great Flash AS3 IOS/Android Game project.
Example CDM Year 12 VCE

CUAWRT301 - Write content for a range of media and CUADIG304 - Create visual design components - Toggle

Game SAC CUAANM201 - Create 2D digital animations - Toggle

CUANM201 Create 2D Animations
- Sequence of Development
- The Sequence to complete the SAC and resources
  - Brainstorm your game.
  - Pick three online games and assess their suitability
  - What is your Narrative?
  - Your game influences
  - Sac Proposal
  - design: rule of thirds; golden spiral video

CUADIG304 Author Interactive sequences - Toggle
- Pick three online games and assess their suitability
- AUADIG304 Author Interactive sequences
- your game influences
- What is your narrative?
- Previous student annotated
- storyboards
  - storyboardA
  - storyboardB
  - storyboardC
  - design: rule of thirds; golden spiral
  - sequence and instructions
  - SAC 2
Example CDM Special Needs
Lessons Learnt

- Need continual exposure to the benefits of Moodle as the glue
  - Login every lesson
  - Instruction on the use of Moodle
  - What the icons mean
  - What a course is rather than just clicking the progress bar.

- Clear instructions as to how to use videos for instruction – step-by-step
  - Watch a little – do a little
  - Repeat
  - Rewind, Fast Forward – own what you missed.
Some thoughts on teaching and learning in Secondary Schools

- Gradual Release Learning Model
  - I do, we do, you do.
  - High Impact Teaching Strategies (HITS)

- 21st Century Skills:
  - Collaboration;
  - Knowledge Construction;
  - Self Regulation;
  - Skilled Communication;
  - Real world Problem solving and Communication;
  - Use of ICT for Learning.
Reports of relevance

- The following have been used in design and implementation
  - Microsoft’s 21st Century Learning Design
    - [https://education.microsoft.com/GetTrained/ITL-Research](https://education.microsoft.com/GetTrained/ITL-Research)
  - Educause (formerly New Media Consortium) Horizon report:
    - [https://www.educause.edu](https://www.educause.edu)
  - Open University UK Innovative Pedagogies report 2019:
As always, thanks Moodle

- Questions?