

Appendix 5

Comparison of subjects – Maths, Physics, Journalism at a Year 11/12 college

Physics	Journalism	Maths (low level)
<p><i>Year 12 Pre-tertiary</i> Elite academic students</p> <p>Subject - centred</p>	<p><i>Year 11/12</i> Mixture of abilities and behaviours</p> <p>Student - directed</p>	<p><i>Year 11/12</i> Considered the problem students in the school</p> <p>Student - centred</p>
<p>Content driven Teacher directed – whole class or group activities</p> <p>Student freedom to construct personal knowledge</p> <p>Negotiation of major presentation topic</p>	<p>Enterprise learning – Students produce magazines in teams Negotiation of magazine type to achieve personal goals Training given just in time. Learning through feedback with community Some content – <i>media appreciation</i>, role plays, student negotiated presentations Teacher facilitated, student directed</p>	<p>Mixture of negotiated content and enterprise Teacher directed and facilitated based on developing programs for student's needs at the time. Negotiation of topics, enterprise, projects, assessment styles, behaviour codes. Individual learning plans. Just in time and just too late learning Learning through feedback with community</p>
<p>External exam <i>Internal assessment:</i> tests, essays, presentations, lab reports, some self assessment Students focussed on achieving goals, meeting criteria standards</p>	<p><i>Internal assessment:</i> Journal, portfolio, presentations, self assessment Students self-reflect on criteria and goals as part of assessment</p>	<p><i>Internal assessment:</i> completing tasks, projects, self assessment Initially not interested in criteria and how they are learning – begin to develop discernment and honesty about their performance</p>
<p>Motivation: Motivated, independent, responsible learners, expect homework and to study. Well developed cognitively but some have less developed EI and social skills.</p>	<p>Keen to work on own magazines, want to learn by doing, range of abilities and maturity.</p>	<p>Hate maths, have had poor success with learning, been considered the dummies and as a result have poor learning behaviours.</p>
<p>Openness to learning: Open, willing to take risks, trusting, high integrity.</p>	<p>Open and willing to take risks though some initially have protective barriers.</p>	<p>Closed, barriers up, can't trust, afraid of failure, dishonest with self and others.</p>

Physics	Journalism	Maths
Personal problems: stress, panic attacks, bulimia, depression, glandular fever	Depression, loss of direction, previous disempowerment, mental illness, broken homes, computer chat addiction	Aggression, anger, truancy, school suspensions and trouble with police, stealing, bullying, depression, abuse at home, binge drinking, drugs, alcoholic parents, emotional manipulation, mindless computer game addiction
Goals: Many feel a need to help others or the world in some way as well as meeting personal needs... going into medicine or engineering.	Some have social conscience and journalism is seen as a way of exercising agency in their peer group. For others it is just an expression of self.	Their biggest concern is surviving in their world and being with their immediate group of friends.
Community of scientists	Community of enterprise – publishing house	Community of learners (eventually)
Understanding my world (so later I can do something useful)	Being creative in my world and being an agent in my world	Being in control of my world