

# INTERPROFESSIONAL LEARNING: CONSULTANCY SKILLS IN A BLENDED VIRTUAL LEARNING ENVIRONMENT

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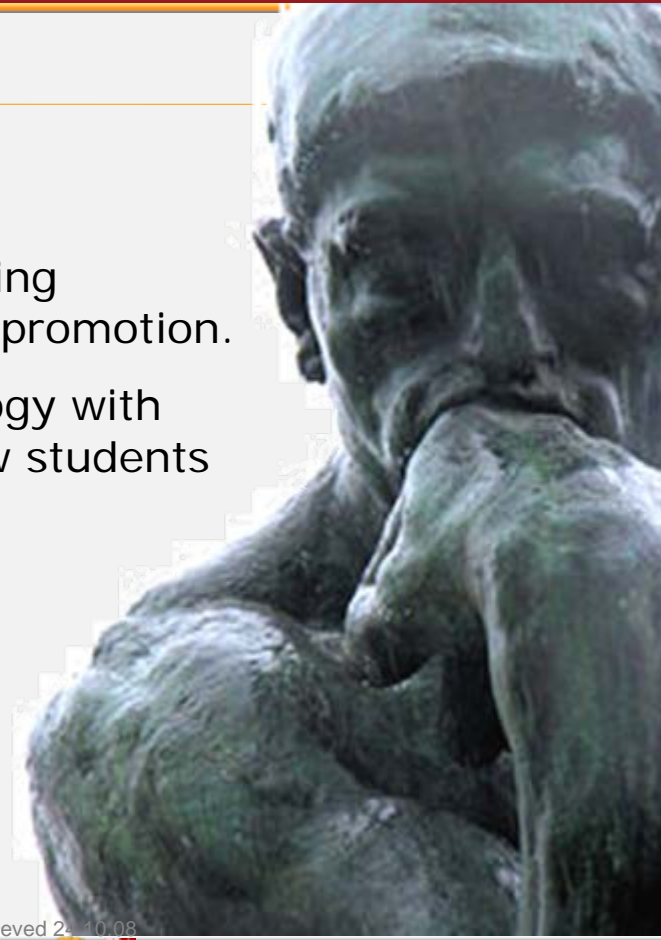
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# Rethinking Learning

The course addresses the interprofessional social learning experiences of design and consultancy in public health promotion.

The program is based on a blended learning methodology with authentic social and professional experiences that allow students to gain knowledge beyond their discipline boundaries.



[http://www.philosophy101.com/philosophy\\_The\\_Thinker\\_statue\\_by\\_Auguste\\_Rodin\\_often\\_used\\_to\\_represent\\_philosophy.jpg](http://www.philosophy101.com/philosophy_The_Thinker_statue_by_Auguste_Rodin_often_used_to_represent_philosophy.jpg) retrieved 24/10/08

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WHY?



# Why Dentistry and Design?

Historically, with little exposure to graphic media during training, dentists have been expected on graduation to be able to promote themselves in professional practice using visual media.



<http://www.fredabeles.com/assets/2007/index.jpg> retrieved 28.9.08



# NSW Messages for a Healthy Mouth



## 1. Eat Well

- Enjoy a wide variety of nutritious foods
- Enjoy healthy snacks
- Avoid snacking on sugary & sticky foods between meals
- Milk foods help protect your teeth
- Chew sugar-free gum to help protect your teeth



## 2. Drink Well

- Tap water is the best drink between meals & at bedtime
- Avoid drinking acidic & sugary drinks between meals
- Choose sugar-free medicine

Children

- Breastfeed your baby until at least 6 months
- Always hold your baby when bottle feeding & take the bottle away when they've had enough
- Putting a baby to bed with a bottle can cause tooth decay
- Encourage your baby to drink from a cup at 6-8 months



## 3. Clean Well

- Brush twice a day with fluoride toothpaste, especially before bed
- Brush teeth and gums gently and properly
- Use toothbrush with soft bristles and a small head
- Floss properly to clean between your teeth
- Clean your dentures properly every day

Children

- Brush your child's teeth:
  - when they 1st appear to 17 months - without toothpaste
  - 18 months to 5 years - pea-sized smear of low fluoride toothpaste
  - 6 years & older - pea-sized smear of standard fluoride toothpaste

Assist your child with brushing at least once a day until he or she is 8 or 9 years old



## 4. Play Well

- Wear a professionally fitted mouthguard when you are playing and training for any sport where there is a risk of mouth injury
- Provide a safe environment for your child, in the home and in the playground
- Adult supervision helps to prevent childhood injuries
- If an injury occurs seek professional advice immediately

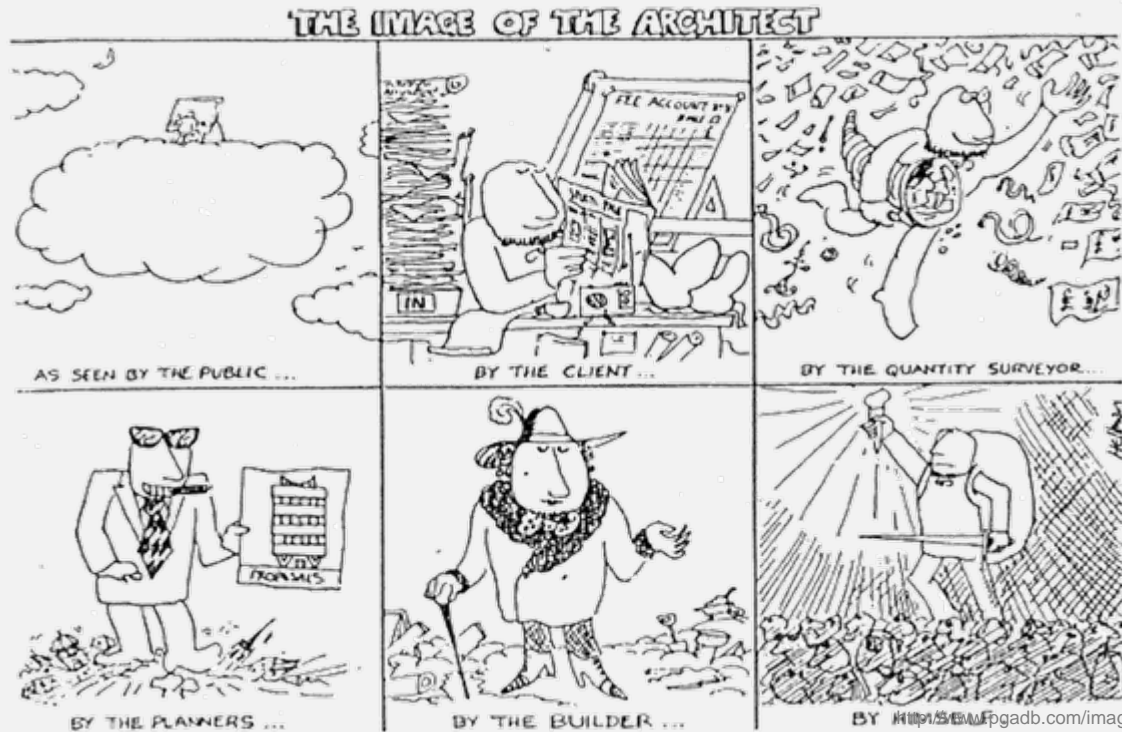
## 5. Stay Well

- First dental visit by 1st birthday
- Dental checkups are especially important during pregnancy
- Have regular dental check-ups - don't wait for a problem
- Check with a dental professional to see if your child needs sealants or a fluoride treatment
- If you have dentures you still need a regular dental check-up
- Don't smoke & limit alcohol
- Protect your face from excessive sun exposure

In public communication using visual media they make mistakes.

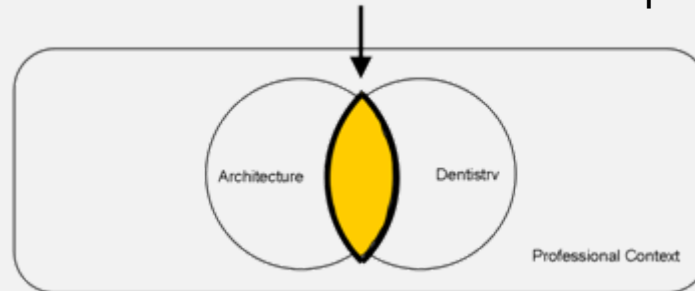
# Why Architects and Consultancy?

With little exposure to genuine clients Architecture students have been expected to develop effective communication skills for client consultancy involving liaison with disparate stakeholders.



# Why Blended Learning?

- Flexibility to bring together different audiences & offer them a platform to collaborate
- Knowledge-sharing through diverse communication networks with multiple partners
- Learning design and communication is a highly personal process requiring sharing of ideas and creativity
- Blended learning fosters both: individual and cooperative learning



# CONTEXT OF TEACHING & LEARNING





# Academic Context

- 2 Faculties - 2 professional realms
  - 2 countries (Australia & Hong Kong) - 2 cultures
  - 2 teachers - 140 students (100 Dent 40 Arch)
  - 28 groups (each 4 dentists & 1 architect)
  - 1 semester - UoS 6 credit points
  - 5 products for a public health campaign
- 
- Graduate attributes & Faculties' and University's Strategic Plans
  - Sustainable praxis

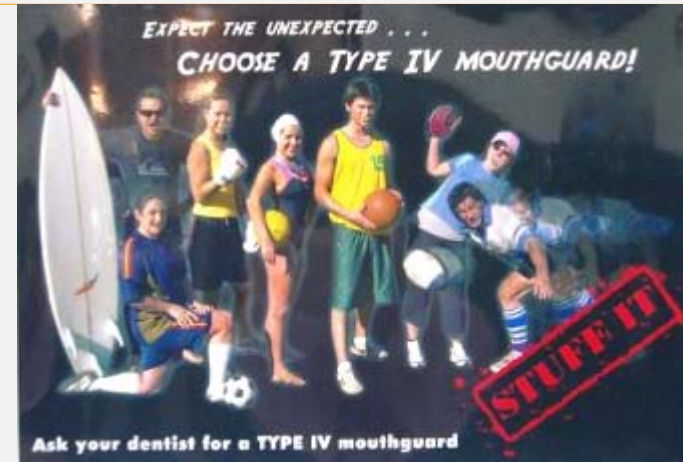


# Student Context

## **Gen Y & Net Gen**

*A linear thought process is much less common than bricolage*

- Integrate virtual and physical
- Read visual images
- Both prefer and use inductive discovery
- Rapidly deploy attention and response



## **We blend:**

Lecture & F2F, video, online communication, social networking, public presentation, exhibition

# Facilitator Context

## Learning

The social construction of meaning through dialogue, research, reflection & situated interaction around problems/issues

- Blended learning
- e-learning supports social interactivity to promote positive deep learning outcomes

## So we

- utilise social psychology tools to foster interactivity
- model interaction ourselves
- personify our resources as active/interactive contributor  
(*Mr Know-It-All*)

## NOT

- knowledge as substance & pedagogy as transfer



# Activity Context

## 1 Semester - 4 Activity Phases

Providing opportunity to:

- *Discuss*
- *Adapt*
- *Integrate*
- *Reflect*

Multimedia modalities:

- *Narrative print, video, PowerPoint*
- *Interactive website supporting interactivity & creativity*
- *Communicative blog, chat, music, photos*
- *Adaptive authentic community problem & investigation*
- *Productive with products that will be utilised*



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Laurillard, D (2002) *Rethinking University teaching: a framework for the effective use of learning technologies* Abingdon Oxon: Routledge Falmer

# ACTIVITY MAP



# Sample Activity

## Phase 2: Project Management & Professional Development – *Expertise*

	Week	Learning Objective	Blended Learning Activity		Learning Resources: <i>Mr Know It All</i>	Assignment	Assessment	Learning Outcome
			F2F/video-conference	Online				
Dent	2-4	Understand personal strengths & meaningful social interaction	Introduce site & meet 'Mr Know-It-All', facilitators & peers	Complete 'VIA'-Strengths Questionnaire	UPenn Authentic Happiness Site	Complete Personal Profile Questions on site Explore site & members	Blog entries	Delineation & communication of individual expertise & competencies
		Establish an efficient communication process	Attend lectures on design principles	Complete Personal Profile Login at site & personalise page	Peers Posting of peers & groups	Set up group with assigned team	Group Membership	Effective team interaction and communication
Arch		Create design concept for promotional products	Clarify individual professional role & allocate team roles	Meet and read Mr Know It All (Mr KIA) resource materials	Documents UoS outline	Set up individual professional role	Discussion about key concepts	Design of draft message & concept
			Discuss topic, approach & management	Set up group with assigned team	Presentations of all lectures	Post blog entries & minutes of group meetings where you consult about key concepts & design ideas	Blog entries	
				Post blog entries & minutes of group meetings	Library links to key texts or papers		Group Membership	
					Gallery examples of each product type/target audience		Discussion about consultancy plan	



# WEBSITE



## VIA Signature Strengths

Please choose one option in response to each statement. All of the questions reflect statements that many people would find desirable, but we want you to answer only in terms of **whether the statement describes what you are like**. Please be honest and accurate! We can not rank your strengths until you answer all of the 240 questions.

- 
1. I find the world a very interesting place.  
 Very Much Like Me  Like Me  Neutral  Unlike Me  Very Much Unlike Me
  
  2. I always go out of my way to attend educational events.  
 Very Much Like Me  Like Me  Neutral  Unlike Me  Very Much Unlike Me
  
  3. I always identify the reasons for my actions.  
 Very Much Like Me  Like Me  Neutral  Unlike Me  Very Much Unlike Me
  
  4. Being able to come up with new and different ideas is one of my strong points.  
 Very Much Like Me  Like Me  Neutral  Unlike Me  Very Much Unlike Me
  
  5. I am very aware of my surroundings.  
 Very Much Like Me  Like Me  Neutral  Unlike Me  Very Much Unlike Me
  
  6. I always have a broad outlook on what is going on.



# Dent-Arch 2009

Dentistry - Architecture Interprofessional Project

Main My Page Members Groups **Mr.KnowItAll** Timetable Photos Videos Blogs

Dentistry and Architecture students collaborate on public health promotion in an educational framework. B.S.A. Schnabel and E.L.C. Howe.

### Videos



#### Oral STI

Added by [Marc Aurel](#)



#### BOH Project 2008

Added by [Marc Aurel](#)



#### Web2.0 The Machine is Using Us

Added by [Marc Aurel](#)



[Evelyn Howe](#)

[Marc Aurel](#)

[Mr Know It All](#)

Online

[Invite More](#)

[View All](#)



[All Groups - Overview](#)

[Dent-Arch Course Development](#)

2 members

[Add a Group](#)

[View All](#)

### Your Box

[Edit](#)

[Add Text](#) Click 'Edit' to add text, HTML, videos, photos, or any [third-party widgets](#) to this box.

### Blog Posts

[Edit](#)



#### Start

Hi there, This is my first day 'at work'. I am setting up the network and clean up some of the mess. Housekeeping is important. cheers

Posted by [Mr Know It All](#) on 14 October 2008 at 6:07pm — [2 Comments](#)



#### Denture brochure in chinese

[V Wana denture care chinese.pdf](#) One of the year 3 students sent me this. It's nice that they are making use of these ideas and feel confident to branch out into more

[Marc Aurel](#)

[Sign Out](#)

[Inbox](#)

[Alerts](#)

[Friends - Invite](#)

[Settings](#)

Quick Add...

### About Dent-Arch 2009



[Marc Aurel](#) created this social network on [Ning](#).

[Create your own social network on Ning for free!](#)

### Chat

online

Main

search

Online (1)



[More](#)



# Our Personal Sites / Strengths

**Dent-Arch 2009**  
Dentistry - Architecture Interprofessional Project

Home Invite My Page Members Groups My Knowledge Timetable Photos Videos Blogs Manage

**Marc Aurel's Page**

**Latest Activity**

- Marc Aurel joined the group [All Groups - Overview](#) 1 day ago
- Dent-Arch 2009 has [new profile questions](#) 1 day ago
- You joined the group [All Groups - Overview](#) 1 day ago
- Marc Aurel added an album [Dent Arch 2009](#) 1 day ago

**Profile Information**

**What is your Top Signature Strength (from <http://www.authentic-happiness.com/>)?**  
Appreciation of beauty and excellence  
You notice and appreciate beauty, excellence, and/or skilled performance in all domains of life, from nature to art to mathematics to science to everyday experiences.

**What is your Second Signature Strength?**  
Judgment, critical thinking, and open-mindedness  
Thinking things through and examining them from all sides are important aspects of who you are. You do not jump to conclusions, and you rely only on solid evidence to make your decisions. You are able to change your mind.

**What is your Third Signature Strength?**  
Perspective (wisdom)  
Although you may not think of yourself as wise, your friends hold this view of you. They value your perspective on matters and turn to you for advice. You have a way of looking at the world that makes sense to others and to yourself.

**What is your Fourth Signature Strength?**  
Social intelligence  
You are aware of the motives and feelings of other people. You know what to do to fit in to different social situations, and you know what to do to put others at ease.

**What is your Fifth Signature Strength?**  
Curiosity and interest in the world  
You are curious about everything. You are always asking questions, and you find all subjects and topics fascinating. You like exploration and discovery.

**Dent-Arch 2009**  
Dentistry - Architecture Interprofessional Project

Home Invite My Page Members Groups My Knowledge Timetable Photos Videos Blogs Manage

**Evelyn's page**

**Latest Activity**

- Evelyn Howe joined the group [All Groups - Overview](#) 1 day ago
- [Evelyn Howe](#) and [Marc Aurel](#) are now friends. 1 day ago
- Evelyn Howe added 3 photos [View Photos](#) 1 day ago

**Profile Information**

**What is your Top Signature Strength (from <http://www.authentic-happiness.com/>)?**  
Curiosity and interest in the world  
You are curious about everything. You are always asking questions, and you find all subjects and topics fascinating. You like exploration and discovery.

**What is your Second Signature Strength?**  
Industry, diligence, and perseverance  
You work hard to finish what you start. No matter the project, you "git it out the door" in timely fashion. You do not get distracted when you work, and you take satisfaction in completing tasks.

**What is your Third Signature Strength?**  
Kindness and generosity  
You are kind and generous to others, and you are never too busy to do a favor. You enjoy doing good deeds for others, even if you do not know them well.

**What is your Fourth Signature Strength?**  
Forgiveness and mercy  
You forgive those who have done you wrong. You always give people a second chance. Your guiding principle is mercy and not revenge.

**What is your Fifth Signature Strength?**  
Gratitude  
You are aware of the good things that happen to you, and you never take them for granted. Your friends and family members know that you are a grateful person because you always take the time to express your thanks.

Marc Aurel Schnabel & Evelyn LC Howe

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School of Architecture, Chinese University of Hong Kong

<http://www.dentarch.ning.com/profile/marcaurel>

<http://dentarch.ning.com/profile/EvelynHowe>

# Mr Know-It-All

## DENT-ARCH 2009

Dentistry - Architecture Interprofessional Project

**Mr Know-It-All's Page**

**Course Outline**

**Mr Know-It-All**  
2009er  
Architect  
Is Your Friend  
Add a Message  
Share  
Send a Message  
Add Comment

**Comments to Mr KIA** →

**Mr KIA's Resources** →

## Dent-Arch 2009

Dentistry - Architecture Interprofessional Project

Main My Page Members Groups Mr.KnowItAll Timetable Photos Videos Blogs Manage

All Pages My Pages

+ Add a Page

### All Pages (5)

Search Pages

Sort by: Most Recent

#### Sample Brochures

Attached you find some sample-brochures of for public health promotions by students from earlier years. You find there some nice samples too. STD Boo... [Read More »](#)

Tagged: [brochure](#), [pdf](#), [sample](#)

#### How to upload your assignments, files, images, videos, and other resources

Similar to 'Facebook' you can upload all sorts of files, images, videos and other resources. You can also add a 'Comment' or 'Discussion' by simply clicking on the relevant... [Read More »](#)

Tagged: [video](#), [share](#), [file](#), [image](#), [assignment](#)

#### Group Formation

Here are all the students' groups. Please find your name and group members. Please make contact with them and create own group page with name and logo from the 'Group' tab above. Tip: Add your group... [Read More »](#)

Tagged: [Formation](#), [Group](#)

#### Assignments

Here you find the assignment texts. coming soon. [Read More »](#)

Tagged: [assignment](#)

#### Course Outline

Hello, my name is Mr Know-It-All. I'm here to assist you in all matters of the course. You can send me messages, add me as your 'friend' or find general info about the course at my personal page... [Read More »](#)

Tagged: [Know-It-All](#)

[RSS Feed](#) - Subscribe to these pages



# Video-Collaboration

## Dent-Arch 2009

Dentistry - Architecture Interprofessional Project

### TokBox Video Chat

Share Settings

The screenshot displays a TokBox video chat window. At the top left is the 'tokbox' logo. To the right are several control buttons: a refresh icon, social media share icons for Twitter and Facebook, an 'Invite' button, a video camera icon, and a settings wrench icon. The main area shows a grid of five video feeds. The top row contains three feeds: a woman on the left, a man in the center with his hands clasped, and a man on the right. The bottom row contains two feeds: a man with glasses on the left and a woman on the right. A 'Muted' notification with a speaker icon is overlaid on the bottom-right video feed. A large grey box on the right side of the grid contains the text 'Voice only'.



# FOCUS GROUP



# Focus Group Evaluation

- **How** did the blended learning activities (video conference, *Mr KIA*, *UPenn*) allow you to delineate & communicate your strengths, expertise and competencies?
- **What** specific aspects of the learning activities best fostered your team building & collaborative learning?



# Outcomes

## Reflective statements by students:

### Architecture student:

“I not only improved my own technical skills in design, but I understood that an architect not only has to be good in designing, construction and rendering. I also need to be a **good communicator, manager and diplomat**. I realized that other people’s views are actually also valuable. But most of all, I realized that I engage and deal **with humans for humans and not just abstract concepts**.

### Dentistry student:

“Initially I thought why do I have to do design. If I am a dentist, I just hire a designer. But now I can see that I have to know **what designing means** in order to ask for the right things and be able to judge the outcome that is presented to me. This project offered me not only insights into other professions, but I also **gained new perspectives** on what a **dentist has to know**.





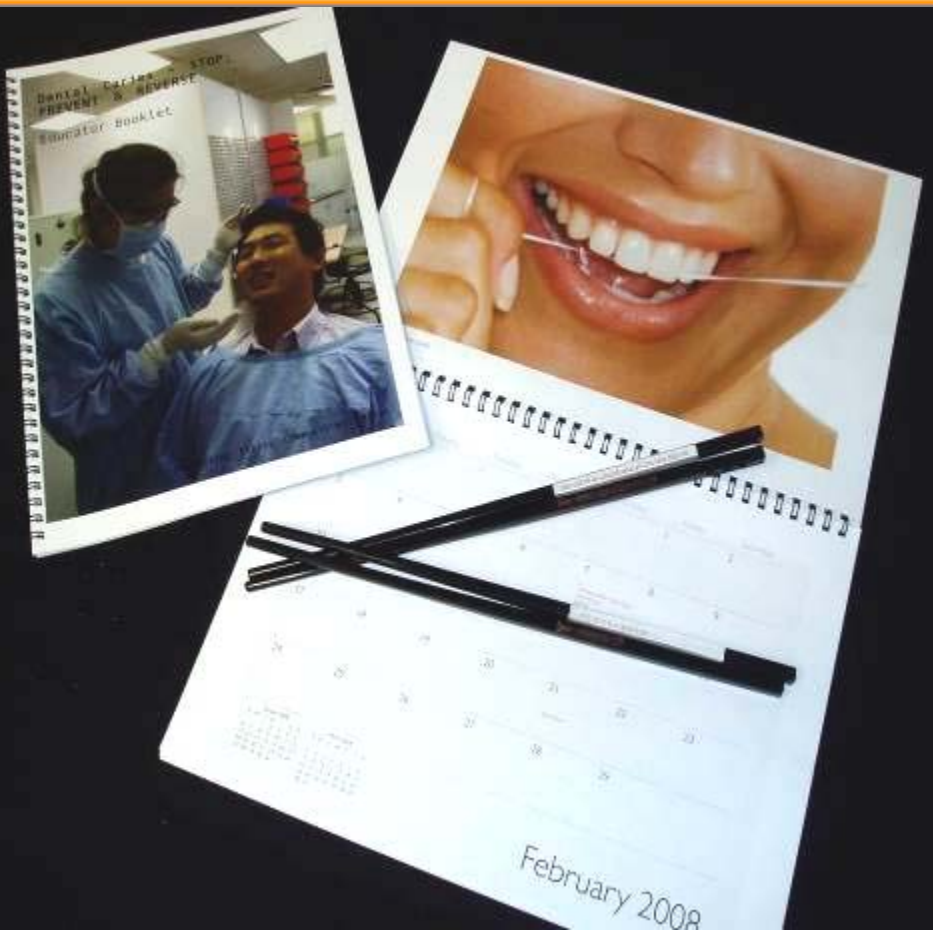
# Evaluation data

USE Item	Dent	Arch	Qualitative information
<b>Learning outcomes &amp; standards</b>	<b>18</b>	<b>32</b>	Learning outcomes need to be clearer. WebCT presentation must be streamlined
Teaching	37	43	WebCT resources were not understood to be teaching or were insufficient
<b>Graduate attributes</b>	<b>81</b>	<b>74</b>	<b>Most prominent was communication skills</b>
<b>Motivation</b>	<b>66</b>	<b>58</b>	Some problems associated with role confusion re “consultancy”
<b>Assessment</b>	<b>70</b>	<b>75</b>	Any difficulty was associated with unclear learning outcomes on WebCT
<b>Relevance</b>	<b>67</b>	<b>68</b>	Generally relevant and useful. Occasional teamwork problems
<b>Staff response</b>	<b>80</b>	<b>89</b>	Staff feedback was acceptable
<b>Feedback received</b>	<b>63</b>	<b>58</b>	Feedback received was adequate, feedback still in progress
<b>Resources</b>	<b>46</b>	<b>77</b>	Architecture resources are good, dentistry poor, problems with liaison
<b>Creative development support</b>	<b>80</b>	<b>79</b>	<b>Generally reviewed as fostering development</b>
<b>Improvement</b>	<b>39</b>	<b>47</b>	Suggestions were mainly related to improvement of administration



“The proof of the pudding is in the eating”









# About us



Evelyn Howe

*Psychologist:* Communication skills & behavioural sciences in Dentistry

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