**Information Technology Applications**

**2011 Transition**

**Task 1: 2010 Social Networking Map**

<http://www.flowtown.com/blog/the-2010-social-networking-map>

Select four (4) social networking sites depicted in the map located at the above URL. What **needs** does each site satisfy for their on-line community? Eg Twitter = brief contact, frequent updates, etc

**Task 2: Early Computing: Children’s New Alphabet (image only)**

[**http://www.geekologie.com/2009/11/early\_computing\_childrens\_new.php**](http://www.geekologie.com/2009/11/early_computing_childrens_new.php)

What does each letter of the alphabet represent?

**Task 3: Sensitive Saints Data Stolen**

[**http://www.adelaidenow.com.au/sensitive-saints-data-stolen/story-e6frea6u-1225912673265**](http://www.adelaidenow.com.au/sensitive-saints-data-stolen/story-e6frea6u-1225912673265)

Explain why Saints coach, Ross Lyon, was furious about the security breach.

**Task 4:** **Love Bytes for Office Romance**  (Herald Sun Tuesday November 16, 2010)

<http://www.heraldsun.com.au/news/love-bytes-for-office-romance/story-e6frf7jo-1225954059018>

Should Steve be sacked? Explain your opinion.

**Task 5: Problem Solving Methodology**

Using any software program, create a mind map to represent the Problem Solving Methodology as depicted in the ITA Study Design.

**Question 6: Relational Database Management Systems (RDBMS)**

We have recently upgraded from MS Access 2003 to MS Access 2007. Over the Term Break revise your RDBMS skills. In particular, creating tables, queries, forms and reports.

**VCAA Database Software skills:**

* Create tables
* Create relationships between tables
* Use a range of data types
* Electronic validation
* Create, edit and use queries
* Use of calculated fields
* Sort records or index on different fields
* Import/export of data
* Format data for display
* Create and edit a range of forms, incl. different data types and controls
* Create and edit a range of formatted reports

**Question 7: Web Authoring using Adobe Dreamweaver CS5**

Over the Christmas 2010-11 term break, the Adobe software suite will also be upgraded.

You must revise your web authoring skills using Adobe DreamWeaver CS5 over the Term break.

**VCAA Web Authoring software skills:**

* Cascading style sheets
* Edit and format content
* Links (relative and absolute links, internal and external links)
* Navigation buttons
* Screen layout
* Tagging (metadata tags, alt tags)
* Forms
* Incorporate images/sound

**Question 8: VCAA Glossary**

Use the VCAA Glossary to define these terms:

Efficiency:

Effectiveness:

Information system:

Problem solving methodology:

Characteristics of users:

**TRANSITION CHECKLIST**

|  |  |  |  |
| --- | --- | --- | --- |
| **Question** | **Content** | **Completed** | **Not-Completed** |
| 1 | 2010 Social Networking Map |  |  |
| 2 | Early Computing: Children’s New Alphabet |  |  |
| 3 | Sensitive Saints Data Stolen |  |  |
| 4 | Love Bytes for Office Romance |  |  |
| 5 | Problem Solving Methodology |  |  |
| 6 | Relational Database Management System (RDBMS) |  |  |
| 7 | Web authoring using CS5 |  |  |
| 8 | VCAA Glossary |  |  |