## Web Table 1 Comparison of Models by Fogarty and Harden

|   | 11 steps on the    | <b>Common Description</b>  | Ten ways to integrate |
|---|--------------------|--|-----------------------|
|   | integration ladder |  | curriculum (Fogarty   |
|   | (Harden 2000)      |  | 1991)                 |
| 1 | Isolation          | Various disciplines /departments organize their teaching without   | The Fragmented Model  |
|   |                    | considering other departments or subjects  |                       |
| 2 | Awareness          | Teacher is made aware of what is covered in other subjects through   |                       |
|   |                    | appropriate documentation about aims and objectives of each course   |                       |
| 3 | Harmonization      | The Disciplines remain separate but the teacher may make explicit connection within the subject areas to other subjects  | The Connected Model   |
| 4 | Nesting (Infusion) | The teacher targets within a subject based course, few objectives relating to other subjects. Contents drawn from different subjects are used to enrich the teaching of a particular subject | The Nested Model      |

| 5 | Temporal Coordination | The related topics within a         | The Sequenced Model |
|---|-----------------------|-------------------------------------|---------------------|
|   |                       | subject are taught separately but   |                     |
|   |                       | are sequenced / arranged /          |                     |
|   |                       | scheduled at same time in           |                     |
|   |                       | consultation with other subjects.   |                     |
| 6 | Sharing               | Two disciplines may agree to        | The Shared Model    |
|   |                       | plan and jointly implement a        |                     |
|   |                       | teaching program using              |                     |
|   |                       | overlapping concepts or ideas as    |                     |
|   |                       | organising elements                 |                     |
| 7 | Correlation           | Within the subject based            |                     |
|   |                       | framework, integrated teaching      |                     |
|   |                       | sessions are introduced. These      |                     |
|   |                       | sessions bring together areas of    |                     |
|   |                       | common interest in each subject.    |                     |
| 8 | Complementary         | It has both subject based and       |                     |
|   | Programme             | integrated teaching. The basic      |                     |
|   |                       | difference with correlation is that |                     |
|   |                       | the percentage of integrated        |                     |
|   |                       | sessions are increased              |                     |
| 9 | Multidisciplinary     | This step brings together a         | Webbed              |
|   |                       | number of subject areas in a        |                     |
|   |                       | single course with themes,          |                     |
|   |                       | problems or issues as the focus of  |                     |
|   |                       | teaching. The subjects/             |                     |
|   |                       | disciplines still preserve their    |                     |
|   |                       |                                     |                     |

|    |                    | identity and demonstrate how         |                      |
|----|--------------------|--------------------------------------|----------------------|
|    |                    | they contribute to the               |                      |
|    |                    | understanding of the theme or        |                      |
|    |                    | problem.                             |                      |
| 10 | Inter-disciplinary | The subject/ Discipline              | The Integrated Model |
|    |                    | boundaries become blurred.           |                      |
|    |                    | There may be no reference to         |                      |
|    |                    | individual subjects or disciplines   |                      |
|    |                    | as they are not identified in the    |                      |
|    |                    | timetable. Interdisciplinary         |                      |
|    |                    | teaching implies a higher level of   |                      |
|    |                    | integration, with the content of     |                      |
|    |                    | all or most subjects combined        |                      |
|    |                    | into a new course with a new         |                      |
|    |                    | menu[15].                            |                      |
| 11 | Trans-disciplinary | There are no subjects or             | Immersed             |
|    |                    | discipline. There is only one        |                      |
|    |                    | subject for education, and that is   |                      |
|    |                    | Life in all its manifestations [16]. |                      |
|    |                    | The teacher provides the             |                      |
|    |                    | framework of learning                |                      |
|    |                    | opportunity and the integration      |                      |
|    |                    | takes place in the mind of the       |                      |
|    |                    | students based on situations of      |                      |
|    |                    | the real world.                      |                      |