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Using Inquiry Learning in your classroom

- Plan, prepare and scaffold
- Your students can't learn all the skills at once, but you can teach them systematically
- Reflect at each stage (teacher and students)
- Nothing will happen overnight

2 Main Truths about Inquiry

- #1 Authentic and relevant (how?)
- #2 Leads to a social action or outcome

Scaffolding and support

- The teacher as an enthusiastic, questing learner.
- A visual Inquiry model for students
- Charts showing levels of thinking (Bloom's or Fogarty's) and levels of questioning
- Wall displays and help sheets (Thinkers keys, thinking maps etc)
- A list of possible sources and resources
- A list of presentation ideas and format suggestions

Teacher Planning, Preparation and Reflection Process

1. Teacher Brainstorm Sheet
2. Teacher Guided Inquiry Planning Sheet
3. Thinking Activities Planning Sheet
4. Wall charts to scaffold learning
5. Reflections Sheets (Group and/or individual)

You Need to Decide

- What do we (you and your students) need to know about Inquiry learning?
- What planning must I do? Brainstorm all the concepts you want to include.
- What skills will my students need and how will I teach them?
- How will I scaffold learning so my students stay on track?
- What actions will I need to follow up with to do better next time?

Understanding Inquiry Learning

Weblinks

- Galileo website <http://www.galileo.org/inquiry-what.html>
- lynross.wikispaces.com
- wikipedia.org
- stuff.co.nz

Presenting Skills

- Use of ICTs
- Use of software
- Layout and design
- Vocabulary studies
- Listening
- Speaking
- Public speaking
- Discussion

Levels of Inquiry

- Teacher directed
- Negotiated
- Student driven

Levels of Thinking Behaviours

- Bloom's/Anderson's Taxonomy 6 levels
- Fogarty's Intellect 3 levels (Each level is 2 of Bloom's levels)

Levels of Questioning

- 6 Levels (also teach types of questions, 7 servants, use of the QTrix Sheet)

Skills to Teach

Learning to Learn Skills

- Goal setting
- Organisation and time management
- Using thinking strategies (Bloom's Taxonomy, Fogarty's Intellect, maps, keys, Seven Servants, QMatrix)
- Collaboration and team play
- Using scaffolds, asking for assistance and tracking
- Critiquing
- Self and peer evaluation. Adjusting goals

Research Skills

- Questioning skills
- Selecting skills
- Key words (Identifying and using)
- Searching the Internet
- Using contents page and index
- Using websites
- Skimming, scanning & reading for detail
- Taking notes & making notes
- Sorting Interpreting and organising
- Citing references