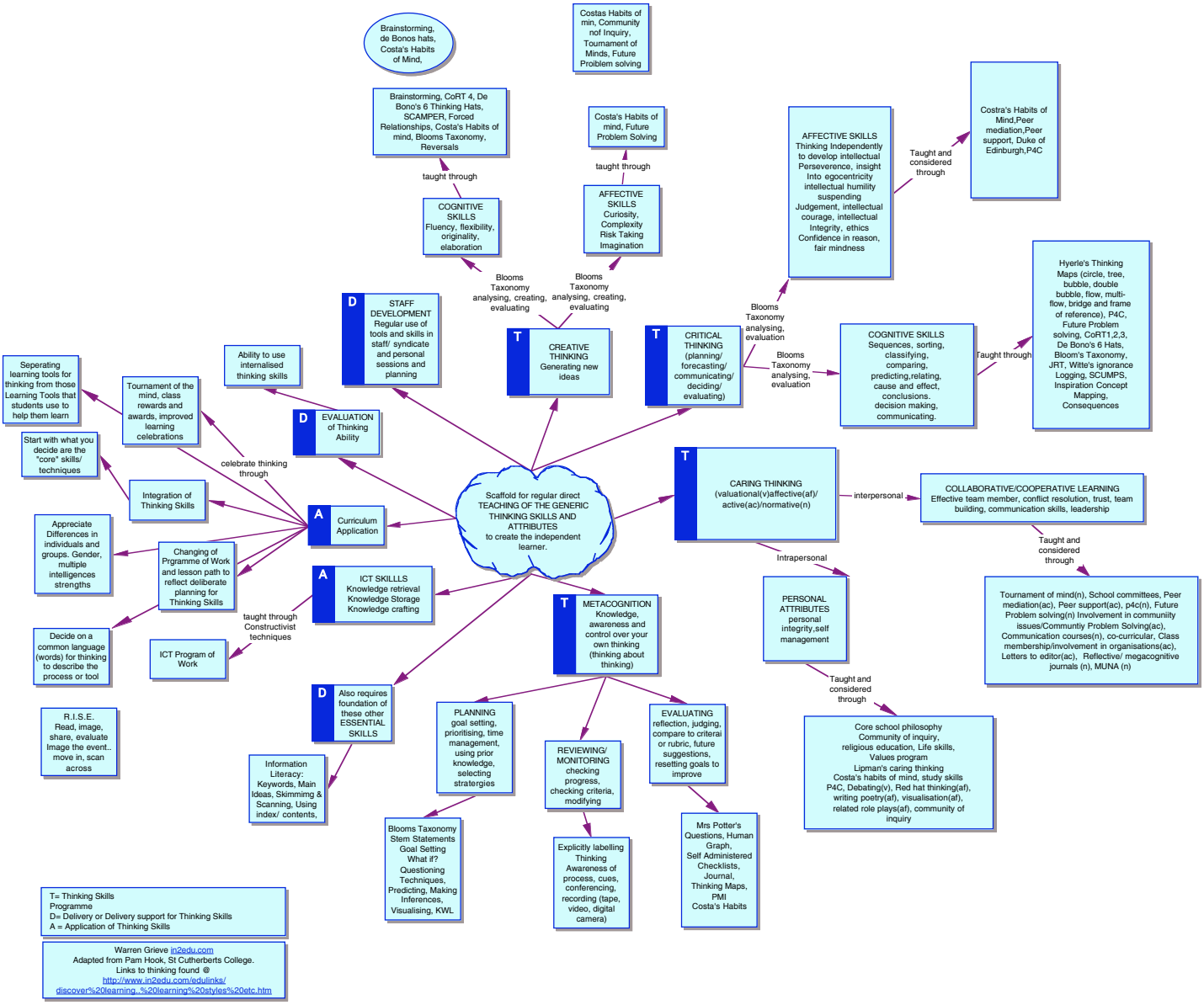
Scaffold for regular direct TEACHING OF THE GENERIC THINKING SKILLS AND ATTRIBUTES to create the independent learner.
Brainstorming, de Bonos hats, Costa's Habits of Mind,
Costas Habits of min, Community nof Inquiry, Tournament of Minds, Future Proiblem solving
Brainstorming, CoRT 4, De Bono's 6 Thinking Hats, SCAMPER, Forced Relationships, Costa's Habits of mind, Blooms Taxonomy, Reversals
Costa's Habits of mind, Future Problem Solving
taught through
taught through
COGNITIVE SKILLS Fluency, flexibility, originality, elaboration
AFFECTIVE SKILLS Curiosity, Complexity Risk Taking Imagination
Blooms Taxonomy analysing, creating, evaluating
Blooms Taxonomy analysing, creating, evaluating
D STAFF DEVELOPMENT Regular use of tools and skills in staff/ syndicate and personal sessions and planning
T CREATIVE THINKING Generating new ideas
T CRITICAL THINKING (planning/ forecasting/ communicating/ deciding/ evaluating)
Blooms Taxonomy analysing, evaluation
AFFECTIVE SKILLS Thinking Independently to develop intellectual Perseverence, insight Into egocentricity intellectual humility suspending Judgement, intellectual courage, intellectual Integrity, ethics Confidence in reason, fair mindness
Taught and considered through
Costra's Habits of Mind,Peer mediation,Peer support, Duke of Edinburgh,P4C
Blooms Taxonomy analysing, evaluation
COGNITIVE SKILLS Sequences, sorting, classifying, comparing, predicting,relating, cause and effect, conclusions. decision making, communicating.
Taught through
Hyerle's Thinking Maps (circle, tree, bubble, double bubble, flow, multi-flow, bridge and frame of reference), P4C, Future Problem solving, CoRT1,2,3, De Bono's 6 Hats, Bloom's Taxonomy, JRT, Witte's ignorance Logging, SCUMPS, Inspiration Concept Mapping, Consequences
Ability to use internalised thinking skills
Seperating learning tools for thinking from those Learning Tools that students use to help them learn
Tournament of the mind, class rewards and awards, improved learning celebrations
D EVALUATION of Thinking Ability
Start with what you decide are the "core" skills/ techniques
celebrate thinking through
Integration of Thinking Skills
A Curriculum Application
Appreciate Differences in individuals and groups. Gender, multiple intelligences strengths
Changing of Prgramme of Work and lesson path to reflect deliberate planning for Thinking Skills
A ICT SKILLLS Knowledge retrieval Knowledge Storage Knowledge crafting
taught through Constructivist techniques
Decide on a common language (words) for thinking to describe the process or tool
ICT Program of Work
T METACOGNITION Knowledge, awareness and control over your own thinking (thinking about thinking)
D Also requires foundation of these other ESSENTIAL SKILLS
R.I.S.E. Read, image, share, evaluate Image the event.. move in, scan across
Information Literacy: Keywords, Main Ideas, Skimming & Scanning, Using index/ contents,
PLANNING goal setting, prioritising, time management, using prior knowledge, selecting stratergies
REVIEWING/ MONITORING checking progress, checking criteria, modifying
EVALUATING reflection, judging, compare to criteria or rubric, future suggestions, resetting goals to improve
Blooms Taxonomy Stem Statements Goal Setting What if? Questioning Techniques, Predicting, Making Inferences, Visualising, KWL
Explicitly labelling Thinking Awareness of process, cues, conferencing, recording (tape, video, digital camera)
Mrs Potter's Questions, Human Graph, Self Administered Checklists, Journal, Thinking Maps, PMI Costa's Habits
T CARING THINKING (valuational(v)affective(af)/ active(ac)/normative(n)
interpersonal
COLLABORATIVE/COOPERATIVE LEARNING Effective team member, conflict resolution, trust, team building, communication skills, leadership
Taught and considered through
Tournament of mind(n), School committees, Peer mediation(ac), Peer support(ac), p4c(n), Future Problem solving(n) Involvement in communiity issues/Communtiy Problem Solving(ac), Communication courses(n), co-curricular, Class membership/involvement in organisations(ac), Letters to editor(ac), Reflective/ megacognitive journals (n), MUNA (n)
Intrapersonal
PERSONAL ATTRIBUTES personal integrity,self management
Taught and considered through
Core school philosophy Community of inquiry, religious education, Life skills, Values program
Lipman's caring thinking Costa's habits of mind, study skills P4C, Debating(v), Red hat thinking(af), writing poetry(af), visualisation(af), related role plays(af), community of inquiry
T= Thinking Skills Programme
D= Delivery or Delivery support for Thinking Skills
A = Application of Thinking Skills
Warren Grieve in2edu.com
Adapted from Pam Hook, St Cutherberts College.
Links to thinking found @
http://www.in2edu.com/edulinks/discover%20learning..%20learning%20styles%20etc.htm