**Conditions of Enjoyable Learning**

- provide students/learners freedom

- provide students/learners resourceful and structured environment

- establish responsible environment or sharply respond to student's/learner's approaches

- through frequent interactions support student's/learner's intellectual development

Principles of Management of Teaching-Learning/Classroom Activities to utilize Intellectual curiosity of student/learner

1. Enhance student's/learner's observation activity
   - motivate his/her questioning skill
       -> stimulate them to activities on information gathering
       -> lead him/her to solve problems by collecting relevant information
2. Strategies to stimulate student's/learner's intellectual curiosities
   - Utilize his/her beliefs and/or preconceptions
       - show him/her phenomena which are contrary to his/her expectation draw from his/her beliefs; Weight is a feeling as heavy, then to students/learners air has no weight. Demonstrate to compare the bottle with air and the vacuumed bottle.
       - let students/learners find inconsistencies and/or surprise as it is by letting them consider the belief as much as they want.<<'jolting' strategy>>; Ex. Water flows from upper place to lower place, but it comes up on the cloth if a part of the cloth is placed into the bucket.
   - provide students/learners a knowledge which might be a hint
       - At the beginning generic or major law is given to students/learners. After they understand, provide them other examples/facts which are not applicable to it so as to let them generalize the law.
       - First provide them universally and reasonably acknowledged law without saying anything that it contains universality and reasonability. In the process of examining its generalization, let them consider with questioning whether it always correct or not. << 'deductive thinking skill'>>

- let students/learners to recognize the difference between the knowledge he/she has

      - providing them with an 'open-ended' type of problem, let them place into an 'embarrassed environment' asking them which is correct.