Appendix ILearning Content for 16 Science Lessons

Module I Earth Knowledge	Content
1	昼夜交替现象(Alternating day and
	night phenomenon)
2	人类认识地球及其运动的历史(Human
	understanding of the history of the earth
	and its movement)
3	证明地球在自转(Prove the Earth's
	rotation)
4	谁先迎来黎明(Who will usher in the
	dawn first)
5	北极星"不动"的秘密(The secret of
	Polaris "not moving")
6	地球在公转吗(Is the earth in orbit)
7	为什么一年有四季(Why there are four
	seasons a year)
8	极昼和极夜的解释(Explanation of
	polar day and night)
Module 2 Astronomy Knowledge	
1	地球的卫星-月球(Earth's satellite-
	Lunar)
2	月相变化(Lunar phase changes)

3	我们来造环形山(Let's build a crater)
4	日食和月食(Solar and lunar eclipses)
5	太阳系(Solar system)
6	在星空中(In the stars)
7	探索宇宙(Explore the universe)

Appendix IIExample Items for each Category of Metacognition Reflection Principles

Principles	Category	Example Guideline on Worksheet
	Monitoring	1. The track assessment of the learning goals
		2. The situation of your learning progress in the overall
		learning procedure
		3. Adjustment method to adjust the learning activity
	Evaluating	1. Performance evaluation in the learning activity
		2. The assessment on study product
		3. The study design is acceptable for the following
		reasons