

Lesson 5 - Monograph 1

Course Objectives	<ul style="list-style-type: none">■ Create or improve models using what you have learned.■ Develop the ability to analyze and improve the structure of model through group discussion.■ Develop the ability to express ideas and communicate with others.	Total Time		
		60 mins		
Keywords	Gravity. Gravity car.			
Teaching Guide		Time (mins)	Teaching Resource	Assessment
1. <u>Increase Students' Motivation</u> (1) A teacher inspires students to discuss "a gravity car" and think about how to assemble it. (Try to use the models below to make a vehicle move with gravitational force.) (2) Brainstorming The ancient car was driven by manpower or animal force. Try to make a car that uses gravity to move forward.		5	<ul style="list-style-type: none">▪ Supplemental slides	Self-awareness
2. <u>Course Activity Related to the Manual</u> (1) Students get the basic materials of this model. (2) Encourage students to adjust and improve the model first.		10 35	<ul style="list-style-type: none">▪ Electronic whiteboard▪ Projector & Screen▪ Tablet or computer▪ Building blocks	Participation
3. <u>Integrated Learning</u> (1) Display all the models of each group. Give the winner group a big hand. (2) Encourage students to share the experience about either the assembly of the model or the reflection of a game. (3) Students' works can be displayed in the classroom. (4) Remind students to clean up the desk, disassemble the model and put the building blocks back to the boxes.		10	<ul style="list-style-type: none">▪ Model▪ Boxes	Oral Presentation

5. Extension Task

- (1) Encourage students to find out things related to gravity in daily life and try to make an extension of the model.

Record & Feedback



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