



BEYOND SCHOOL PROJECT

LESSON ACTIVITY PLAN

ACTIVITY	Are You Affected By Force And Motion?
The aim of the activity	Students will be able to discover the effect of force on motion, types of force and types of motion.
Places where the event can be held	Science and Technology Museum
Age group for the activity	7-11

A. BEFORE OUT-OF-SCHOOL LEARNING ACTIVITY

Educational tools	Smart board,slideshow ,colouring pages,crayons, scissors,glue.
Method, technique and strategies	Presentation and Lecture, educational games about force and motion types
PRACTICE	
Introduction of the activity	Firstly students watch a slideshow about force and motion ,they write the effect of force on motion and types of motion to their workbooks. The teacher takes students to the school gym and they play educational games about force and motion.
Development of the activity	Types of forces are written on papers.These papers are cut and folded by students, later they stick these papers to their notebooks.
Evaluation of the activity	Revision is done by asking and answering questions about the effect of force on motion. Following questions are asked: What is force? Does the push force move objects towards us or away from us? Can you name three examples of push force? Where do you use push force at school? In your physical education class, in which games do you use push and pull force? Have you visited the Science and Technology Center before? Which mechanisms did you like the most?



B. IN THE OUT-OF-SCHOOL LEARNING ENVIRONMENT

Educational tools	Devices in the Science and Technology Center
Method, technique and strategies	Giving a lecture,examination,role-play
PRACTICE	
Introduction of the activity	Devices in the centre are introduced with guidance .Practice is made for those related to movement and force.
Development of the activity	Students are asked which movements are the most difficult one for them to practise.Through drama ‘The Journey of the Tiny Turtle’ is reviewed. One student becomes the Tiny Turtle and tries to cross the road in heavy traffic. Four students become cars and two move to the left and two move to right. When turtle’s about to cross the road another student pulls them back to the sidewalk. When traffic slows down another student pushes the turtle towards the road. Then students are asked “What forces are applied to the turtle?” Two students are asked to explain the changes that occurred in the turtle’s movements.
Evaluation of the activity	Students meet in the science corner.They are asked to express their feelings about their observation and tell the types of motion they mostly do while playing in the school garden.

C. AFTER OUT OF SCHOOL LEARNING ACTIVITY

Educational tools	Coloured cardboards,scissors,fastener and slats
Method, technique and strategies	3D Design
PRACTICE	
Introduction of the activity	Types of motion and force are explained shortly.It is asked what happens when the wind blows.
Development of the activity	Wind rose is made from coloured cartons.
Evaluation of the activity	Wind roses and trip photos are exhibited on the school board.