



KS3 Science Unit – 3

Topic: Forces, Magnets, Solar system & Gravity

Activity: Lesson 1- Forces Introduction/ Recap

NC Refs: 3.1 b

Sets: ALL

Yearly objectives:

Range & Content: Recognise the forces acting on an object in different situations

HSW: Describe patterns and trends in results and link to conclusion

Outcomes:

All: Describe what simple forces do

Most: Name some forces

Some: Describe how 2 or more forces alter things

Suggested Activities (including specific refs to HSW):

Starter:

- Mind map all the things forces can do to a piece of plasticine or recall what they learnt at KS2
- Students work in pairs to identify forces from 11.1 Science works activity 1

Main: Forces circus of experiments: pupils to move around stations and make an observation about each practical, and try and name the force involved

Exploring science has practical sheet on this which may be adapted for use

Science works 11.1 activity 4 circus of experiments sheet

Plenary:

Spot the force- put up pictures of examples of forces- pupils to name each force

Interactive activity 5 – pupils identify and label forces

Business & Enterprise Skills

Team work in circus of experiments

Assessment Opportunities

Starter to assess KS2 knowledge

Apparatus / Materials Required

Water trough, masses, forcemeters, friction demo boards, (see davina)

Safety:

Care

References:

Science works book 1 page 126-127

Differentiation

Extension: Extension science works 11.1

Support: Help sheets science works 11.1

Homework ideas: