

# DESIGN & TECHNOLOGY

## DESIGN & TECHNOLOGY KNOWLEDGE ORGANISER

This knowledge organiser belongs to: .....

Keyword	Definition/Description	KEY VOCABULARY

Images

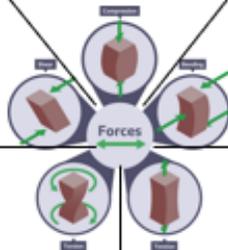
Make your own knowledge organiser for  
**TASK 1 - FORCES AND STRESSES**

YOU HAVE 15 MINUTES!!!!!!  
Click on the link below to access  
information from BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/2>

COMMON TECHNICAL PRINCIPLES		
Form & stresses on material	A	B

Use these knowledge organisers  
to gather and record  
information on each topic.



Then use the tables provided  
on the next slide to test  
yourself on this knowledge.

# Y11 GCSE D&T Home Learning

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## KEY KNOWLEDGE



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## Images

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**TASK 1 - FORCES AND STRESSES**

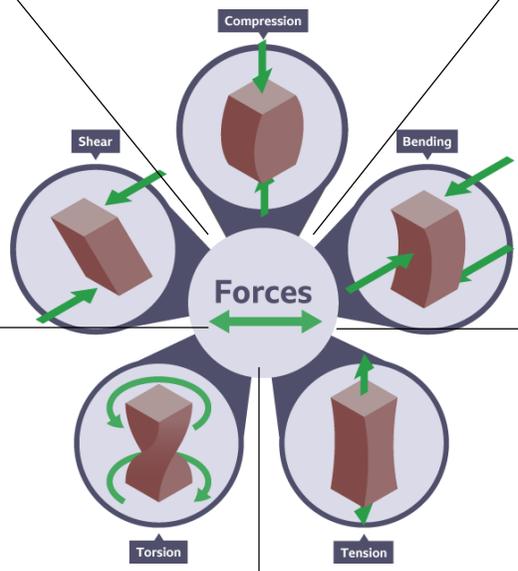
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<https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/2>

COMMON TECHNICAL PRINCIPLES			
	R	A	G
Forces & stresses on material			

Put away the knowledge organiser you have made and use this page to recall as many facts as possible can about the topic.



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**AQA GCSE  
Design and  
Technology**

**PART 1: CORE AND  
TECHNICAL  
PRINCIPLES**

<b>ENERGY, MATERIALS, SYSTEMS, DEVICES</b>			
	R	A	G
Energy Generation & Storage			
Smart Materials			
Systems approach to Designing			
Mechanical Devices			

**MECHANICAL DEVICES**

Different Types of Movement

Linear

Rotary

Reciprocating

Outlining

Changing Magnitude and Direction of Force

CRMs and Followers

Single Gear Train

Pulleys and Belts

Rotary  
Systems

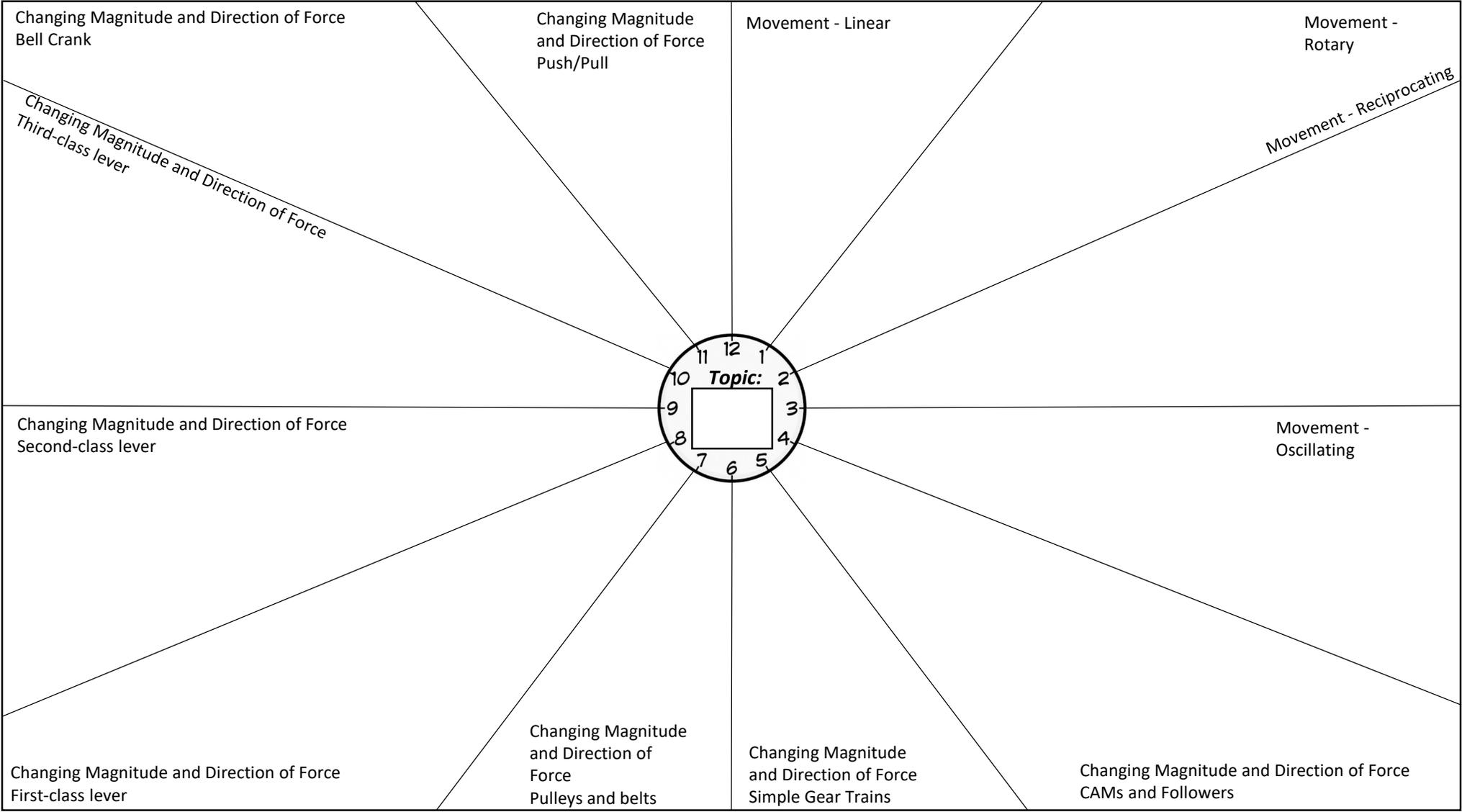
Levers

Linkages

Make your own knowledge  
organiser for-  
**TASK 2 – Mechanical devices**  
YOU HAVE 15 MINUTES!!!!!!  
Click on the link below for BBC  
Bitesize

<https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/6>

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Make your own knowledge organiser for-  
**TASK 2 – Systems approach**  
YOU HAVE 15 MINUTES!!!!!!  
Click on the link below for BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/1>

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OUTPUT

Systems Approach to Designing

PROCESS

INPUT

