

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6
To identify forces acting on objects.	To explore the effect that gravity has on objects and how the first theory of gravity was developed.	To investigate the effects of air resistance.	To explore the effects of water resistance.	To investigate the effects of friction.	To explore and design mechanisms.
I can identify forces as pushes and pulls.	I can explain the effect of gravity on unsupported objects.	I can explain how air resistance affects moving objects.	I can explain the effects of water resistance.	I can explain the effects of friction on a moving vehicle.	I can explain how different mechanisms work.
I can identify and explain the different forces acting on objects.	I can explain Isaac Newton's role in developing a theory of gravity.	I can plan and conduct an investigation into the effects of air resistance.	I can identify streamlined shapes.	I can investigate the effects of friction created by different materials.	I can investigate a simple mechanism.
	I can accurately measure the force of gravity pulling on objects.		I can minimise the effects of water resistance on an object.	I can recognise and control variables in an investigation.	I can design my own mechanism for a given purpose.

Science: Forces

K

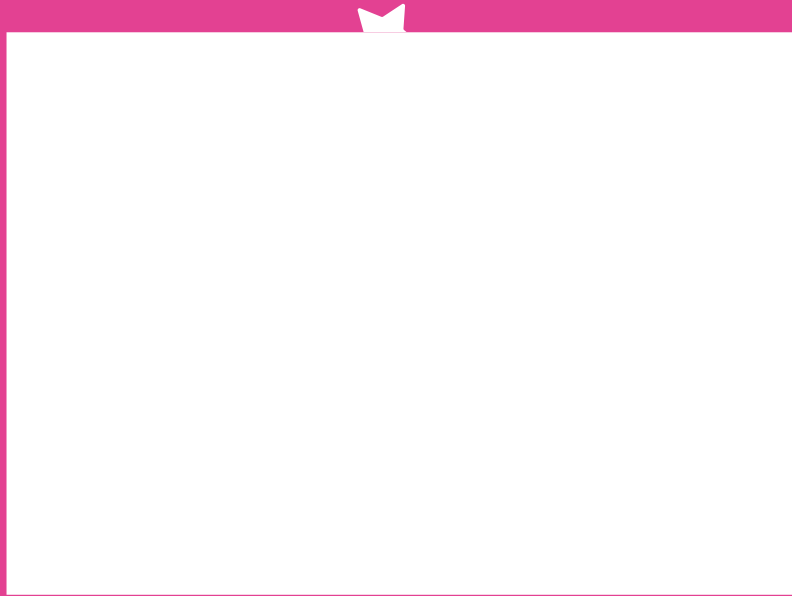
What I know

W

What I want to know

L

What I have learnt



Assessment Guidance

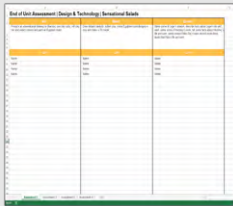


Planit Unit Assessment Suggestions

Each **planit** unit has the following assessment tools included.

Spreadsheet

Various assessment options have been provided in a spreadsheet to offer maximum flexibility and opportunity for editing to suit your needs.



Assessment One

This sheet lists the 'all/most/some' statements related to what children will learn during the unit. Children's names can be entered in the appropriate column and the spreadsheet will calculate the proportion of the class at each stage.



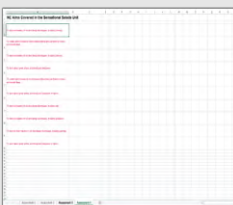
Assessment Two

This sheet splits down the 'all/most/some' statements on the previous sheet in a class grid, allowing a more detailed picture. The spreadsheet will calculate the proportion of the class at each stage as well as the percentage of statements achieved by each child.



Assessment Three

This sheet lists the aim and success criteria for each lesson across the unit in a class grid. The spreadsheet will calculate the percentage of statements achieved by each child. If you would prefer to focus purely on the aims or success criteria alone, the relevant rows can easily be deleted.



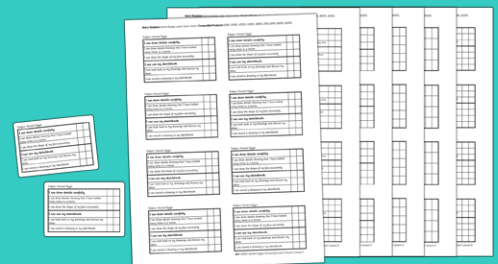
Assessment Four

This sheet simply lists the elements of the National Curriculum addressed by the unit for you to cut and paste if required.

Child Led Assessment

Success Criteria Grids (per lesson)

These individual grids listing the aims and success criteria with check boxes can be given out at the start of the lesson so that children have them to refer to during their learning. At the end of the lesson children can self or peer assess against the criteria. A second box is provided for teachers to then record their assessment.



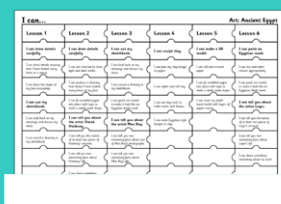
KWL Grid

These grids can be done individually or as a class at the start and end of a unit to record what children **know**, what they **want** to know, and what they have **learnt**.



Jigsaw Target

These sheets list the aims and success criteria for each lesson across the unit in a child friendly jigsaw grid. These could be stuck in books and coloured in before/during/after the unit as a continuous assessment document to show progression, or used at the end of each lesson or the unit to record learning.



Assessment Ideas within Lessons

Some handy ideas from our **Planit** teaching team on how you could assess within a lesson.

Planit Success Criteria Grids

These individual grids are provided for each lesson and will print out on label templates for convenience.

Planit Activity Sheets

Our activity sheets have three circles below the aim box for optional assessment, using the traffic light system or colouring 1, 2 or 3 circles as appropriate.

Whiteboards

Useful throughout the lesson, whiteboards give you the opportunity for individual feedback and a quick way to spot misconceptions.

Traffic Light, Smiley Face Fans or Thumbs Up/Thumbs Down

A fun way for children to show their confidence and understanding at different points throughout the lesson.

Stimulus and Card Response

Useful in a variety of lessons, children can be given a word or a statement and they respond using a relevant card from the pack they have been given. This could be saying a word and children showing the correct picture card, or reading a statement and children showing true or false. These could also be A/B/C/D cards to be used as multiple choice responses to a quiz on the IWB.

Lesson Reflection

Children record how they felt about the lesson, what their next steps should be and any questions they have. Suggestions within this include:

- Using colour coded pens (e.g. tickled pink, polishing purple, green for growth)
- Smiley faces to indicate enjoyment and understanding of the lesson
- Peer assessment
- Traffic light system to indicate understanding

At the beginning of the next lesson children could be given time to respond to any feedback.

Bookending

A question could be set at the start of the lesson and repeated at the end to show progression.





Be kind to yourself, you're doing wonderfully.

If you need us, just get in touch - contact