Fun Size: Solar System loop — Teacher notes

Introduction
Question loops are useful recap activities. This loop can be used as revision for Year 7 Solar System topics. Key vocabulary for particular topics can be focused on each time the loop is played. There will be several sets of cards in the *Fun-Size* sections of the Science Year ASE CD ROMs.

Running the activity
There are 27 cards, two to a page, all different. Print out the set of 27 cards on 14 sheets of paper (card 28 is a front cover card). It is helpful to print the cards on different coloured paper for each subject area. Cut the A4 sheets in half lengthwise to make a "card" and laminate it for maximum durability. You may also need a stop-clock.
Give out individual cards to each pupil, or split the pupils into small groups and give a certain number of cards to each group until none are left. It is important that all the cards are used every time, or there will be a gap in the loop.
Start the activity by getting one pupil to ask their question. Another pupil will recognise the correct answer on their card and read it out. They should then read their question and so on until the loop returns to the starting person. This should happen with the 27th question asked. Pupils should turn their card over when they have finished. Record the amount of time taken to complete the loop and see if the class can better their time at the end of the lesson

For information and a blank template file contact nigel.heslop@scienceyear.com

Safety
Not applicable.

More ideas
The questions can be used as the basis of a quiz. Key words could be displayed beside the teaching station. Sticky Velcro patches make a good support for the word display. There should only be a few key words to focus attention on the target vocabulary for that session.

Learning outcomes
- Recap of Year 7 Solar System.

Where the activity fits in
Revising Year 6 and introducing Year 7 Solar System topics.

Skills
Recall, vocabulary.

Acknowledgements
This idea was one originally seen used in a science context by Mike Evans and Linda Ellis.

Q1 This is our planet

A27 400,000 km

Q2 Number of days it takes the Earth to orbit the Sun

A1 Earth

Q3 Furthest known planet from the Sun.

A2 365

Q4 Largest planet in our Solar System A3 Pluto

Q5 This uses hydrogen fuel to release light

A4 Jupiter

Q6 A huge group of stars

A5 Star

Q7 This orbits a planet

A6 Galaxy

Q8 A dirty lump of ice that orbits the Sun. It can sometimes be seen in the night sky.

A7 Moon

Q9 Between the orbits of Mars and Saturn you find lots of these

A8 Comet

Q10 Proper name for a shooting star that reaches the Earth

A9 Asteroids

Q11 Used to help see distant objects

A10 Meteorite

Q12 When the Moon's shadow falls on the Earth

A11 Telescope

Q13 Everything, everywhere is called the U……(8 letters)

A12 Eclipse

Q14 How heat and light gets from the Sun to the Earth

A13 Universe

Q15 Time taken by the Earth to spin once on its axis

A14 Radiation

Q16 Anything that gives out light is L……(8 letters)

A15 24 hours

Q17 Because of this we can see the Moon

A16 Luminous

Q18 Colour of Mars (the planet not the chocolate bar)

A17 Reflection of light

Q19 What is the 'red spot' in Jupiter's atmosphere?

A18 Red

Q20 What are the rings of Saturn made from?

A19 A huge storm

Q21 The nearest star to us

A20 Ice crystals and dust

Q22 The force that makes things fall towards the centre of a planet

A21 The Sun

Q23 Our Moon causes these movements of the sea

A22 Gravity

Q24 The wind causes these movements of the sea

A23 Tides

Q25 This causes summer and winter to happen

A24 Waves

Q26 Distance from the Earth to the Sun

A25 Tilted axis of the Earth

Q27 Distance from the Earth to the Moon

A26 150,000 km

Question loop: Solar System