



# Year 9 RE Topic Talk Card



## Topic 1: Are the ideas of science & religion compatible?

The RE skill we are focussing on in this topic:  
**Personal Opinion & Debate**

### Discussion questions for at home:

**How do you think the universe came into being?**

What evidence do you have to support your belief?

**How do you think humans came into being?**

What evidence do you have to support your belief?

**If there is a "creator" of all things, what 5 questions would you want to ask them?**

What replies/answers do you think they would give?

**What is the theory of evolution?** Do you accept or reject this idea? Why?

**What is the Big Bang theory?**

Do you accept or reject this idea? Why?

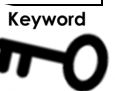
**What religious ideas are there about the creation of the universe and humans?** Are there any similar ideas between different religions?

**Is it possible to be a religious scientist?** Why/why not?

### Useful resources:

<a href="https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/zyxtm39">https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/zyxtm39</a>	BBC bitesize resource about the theory of evolution
<a href="https://www.bbc.co.uk/teach/how-do-we-know-the-big-bang-actually-happened/zjn68xs">https://www.bbc.co.uk/teach/how-do-we-know-the-big-bang-actually-happened/zjn68xs</a>	BBC resource exploring what the Big Bang theory is and evidence presented by scientists to support it
<a href="https://www.bbc.co.uk/teach/class-clips-video/religious-education-ks3-a-z-of-religion-and-beliefs-c-is-for-creation-stories/zvfp382">https://www.bbc.co.uk/teach/class-clips-video/religious-education-ks3-a-z-of-religion-and-beliefs-c-is-for-creation-stories/zvfp382</a>	Animation exploring both religious and scientific ideas about creation.
<a href="http://www.bigmyth.com/2_eng_myths.html">http://www.bigmyth.com/2_eng_myths.html</a>	Resource looking at different creation stories.

### Keywords for this topic:



**The Big Bang Theory**—A scientific idea about how the universe began. Simply the idea is that 14 billion years ago all matter and energy in the universe was contained in a very small and hot singular point. From this tiny point, the whole Universe expanded outwards to what exists today.

**Evolution**—Evolution is the way that living things change over time. The first person who explained how evolution happens was Charles Darwin with his scientific theory of natural selection.

**Theory of Natural Selection**— Charles Darwin noticed there were variations between individuals in a species. Over time, the characteristics that help survival become more common and a species gradually changes. Given enough time, these small changes can add up to the extent that a new species altogether can evolve.

**Variation**—The differences between living things in a species.

**Adaptation**—How living things are specialised to suit their environment.

**Literal**—an understanding/interpretation based on the exact wording.

**Metaphorical**—Something is metaphorical when you use it to stand for, or symbolize, another thing.

**Compatible**— When things can work well together, get along well together, combine well.

**Creationism**—the name given to the belief that the creation story of Genesis is the literal truth about how the

**Intelligent design**—the theory that life, or the universe, cannot have come into existence by chance and was