

Getting the science right 科學依據要準確

Vocabulary: Science

Sci-fi movies tend to ***capture children's imaginations** and have long been part of students' excited chats in the schoolyard. But now a scientific journal has urged at least one sci-fi movie to be shown in class by science teachers.

Scientific papers published in the American Journal of **Physics** (AJP) and in Classical and Quantum Gravity have seen merit in the way the movie **Interstellar** portrays **wormholes**.

Dr David Jackson from AJP said publishing this paper "was a **no-brainer**". He added: "The physics has been very carefully reviewed by experts and found to be **accurate**. The publication will encourage physics teachers to show the film in their classes to get across ideas about **general relativity**".

In fact, one of the executive producers of Interstellar was Kip Thorne, a professor of **theoretical physics** at the California Institute of **Technology** (Caltech). For him, films such as Interstellar, Contact and 2001: A Space Odyssey can inspire young people.

Blockbusters are improving when it comes to portraying scientific **theories**. An initiative by the US National Academy of Sciences has been putting **proper** scientists in touch with movie people to achieve a better result - which is vital in the internet age. Interstellar's director Christopher Nolan says: "**Consumers** have a lot more immediate access to information. If you go and see a film about a particular subject, particularly a true life story, you can go home and look it up on Wikipedia and see if the basic things portrayed in the film are true or not. The same is true of science in the films".

Professional scientists may no longer **cringe** in their seats when they watch sci-fi movies. Today, getting the science wrong is no longer an option.

Find the answers from the given text

1. What aspect of physics did the movie Interstellar show accurately, according to scientists?
2. What else could students learn more easily with the help of movies, according to Dr Jackson?
3. How has the US National Academy of Sciences helped movie makers to get the science right?
4. Why might it not be a good idea to pretend the science in a movie is correct?
5. Which verb in the article means 'to represent something in a particular way'?

Choose the correct answer

1. It's warm and sunny. Going to the beach is _____.

a no-brainer	accurate	true	proper
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2. My chemistry teacher said I'm good at mixing things in the school lab but I have to learn more about the _____ behind it.

general relativity	no-brainer	theory	subject
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3. _____ are very demanding nowadays. If the quality is no good they go and shop elsewhere!

Executive producers	Teachers	Movie makers	Consumers
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4. I love _____ movies! But nothing beats a low-budget romantic comedy when you want a quiet afternoon at home.

accurate	blockbuster	true life stories	wormhole
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5. ET is a classic movie. It's _____ everybody's imagination.

arrested	trapped	took	captured
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Vocabulary

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- sci-fi 科幻
→補充
- to capture (someone's) imagination 激發某人的想像力
→補充
- a scientific paper n. 科學文獻
→補充
- physics n. 物理學
→補充
- interstellar n. 星際的
→補充
- a wormhole (space) n. 時空蟲洞
→補充

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- a no-brainer n. 顯而易見的事
→補充
- accurate adj. 準確的
→補充
- general relativity n. 廣義相對論
→補充
- technology n. 技術
→補充

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- a blockbuster 暢銷的書、電影或電視

→補充

- a theory n. 一種理論

→補充

- proper adj. 專業的，科班出身的

→補充

- the consumer n. 消費者

→補充

- to cringe v. 感到難堪

→補充