

BACCALAURÉAT TECHNOLOGIQUE

SESSION 2014

ANGLAIS

VENDREDI 20 JUIN 2014

LANGUE VIVANTE 1

Séries **STI2D, STD2A, STL, ST2S** : 2 heures – coefficient 2

Série **STMG** : 2 heures – coefficient 3

L'usage des dictionnaires et des calculatrices électroniques est interdit.

Dès que ce sujet vous est remis, assurez-vous qu'il est complet.
Ce sujet comporte 5 pages numérotées de 1/5 à 5/5.

Répartition des points

Compréhension de l'écrit	10 points
Expression écrite	10 points

Document 1



Thor actress teams with Marvel on new contest to connect girls with the most successful women in science, technology, engineering and mathematics

To celebrate the new *Thor* sequel coming out in November 2013, Marvel and Natalie Portman have partnered on a fantastic initiative/contest designed to inspire young girls to consider future careers in science. Titled the 'Ultimate Mentor Adventure,' the project aims to "empower girls ages 14 and up in grades 9-12 to embark on a journey that will allow them to explore their potential in the world of STEM: Science, Technology, Engineering and Mathematics."

Portman, who plays astrophysicist Jane Foster in the *Thor* films, says in a short video that she loves science. "Today, I'm here to tell you about a life-changing opportunity for girls like you. Marvel has created a program that will give you a chance to explore science, meet amazing scientists and mentors, and even get some time in front of the camera yourself."

Entries will be accepted through Oct. 20. [Jump here to learn more and apply!](#)

MARVEL'S THOR:THE DARK WORLD - ULTIMATE MENTOR ADVENTURE APPLY NOW

TO ENTER:

STEP 1: Download, Complete, and Submit Your Form.

STEP 2: Go On Your Own Hometown Mentor Adventure!

Interview a successful woman working in a STEM field in your hometown. This is your chance to go out into the real world and ask successful women in STEM fields about what they do, how they got where they are today, and how you might follow in their footsteps.

STEP 3: Create a Video About Yourself.

Next, create a 5-minute, unedited video of yourself so that we can learn a little about you! You may use a Smartphone, computer, tablet, or a camera to make your video. Tell us about your interview. Whom did you meet? What does she do? How is her career related to STEM? What inspired you?

STEP 4: Upload your video.

Finalists of **MARVEL's THOR: The Dark World: ULTIMATE MENTOR ADVENTURE** will be notified by Thursday, October 24, 2013. Each winner and one legal guardian will travel to Los Angeles, California on or about Sunday, November 3, 2013 and will return home on or about Saturday, November 9, 2013 (the "Trip"). All winners must be available to travel to Los Angeles during this period and must be available to participate in the premiere screening of the **MARVEL's THOR: The Dark World ULTIMATE MENTOR ADVENTURE** documentary short at 4:20 PM on November 8, 2013.

Questions? [Click Here.](#)

Adapted from: <http://www.mnn.com/green-tech/research-innovations/blogs/http://dep.disney.go.com>

Wed, Oct 02 2013 at 12:42 PM

Document 2

Brian Cox says TV shows inspire a new generation of children to study science

Presenter cites BBC series as a big factor in the popularity of biology and physics

By Daniel Boffey (Policy Editor)

He conquered the pop charts with 1990s band D:Ream, explained the intricacies of gravity to a confused nation and even appeared in a magazine list of the sexiest men alive. Now Professor Brian Cox, one of the BBC's star turns, has laid claim to a new achievement: inspiring a generation of children to take up biology, chemistry and physics in school.

10 In an interview in the *Observer Magazine*, Cox – who has been a ubiquitous presence on the BBC in recent years – says he believes there can be little doubt that science on television has been a factor in an upward trend in the number of children taking up the subjects at GCSE and A-levels¹.

Cox said he believed that the series of science programmes, including his *Wonders of the Solar System*, aired during the BBC's year of science in 2010, had had a major impact.

In 2012, there was a 36.1% increase in the number of students doing GCSE science exams, compared with the previous year. 25 Biology and chemistry were two of the three A-level subjects, including ICT², where attainment rates at A*/A³ rose in 2012. Cox,

45, who is currently filming a new show about man's growing understanding of the universe, said: "It's kind of obvious when you think about it. A public service broadcaster in my view is part of the education system, as it does change behaviour."

35 "I think the year of science did that. There has been an upswing in the number of students applying to university to do scientific subjects. It's difficult to say why, as there are many factors. It's important to say that. But one of the factors is the popularity of science on television. "

The presenter and academic, a graduate of Manchester University who is regarded by many as the BBC's successor to David 45 Attenborough, said the success of the programmes in 2010 had also made it easier than ever to pitch science to channel controllers.

The Observer, 05.05.13

¹ GCSE and A-levels: secondary school exams in the United Kingdom

² ICT: Information and Communication Technology

³ A*/A: The best possible marks/grades for exams.

NOTE AUX CANDIDATS

Les candidats traiteront le sujet sur la copie qui leur sera remise et veilleront à :

- respecter l'ordre des questions et reporter les repères sur la copie (lettre ou lettre et numéro).
Exemples : **A1 ou E**
- faire toujours précéder les citations du numéro de la ligne ;
- dans les phrases à compléter, les réécrire intégralement sur la copie en **soulignant** l'élément introduit.

I. COMPRÉHENSION DE L'ÉCRIT

Documents 1 and 2

A. Choose the right answer.

- Both documents are about
- 1) girls choosing scientific studies.
 - 2) famous people promoting science.
 - 3) criticising the entertainment industry.

Document 1

B. Match each element with the corresponding definition from the following list. Some definitions will not be used.

*a scientist in a film – a media corporation – a competition – a film – a science
laboratory – an actress – a film director*

- 1) Thor:
- 2) Ultimate Mentor Adventure:
- 3) Natalie Portman:
- 4) Jane Foster:

C. The people who enter the competition.

- 1) **Who are they? Pick out the three necessary conditions to enter the competition.**
- 2) **What do they have to do? Complete the following summary with words from Document 1 (one blank = one word).**

To participate, the applicants must

- a) fill in and send a on-line ;
- b) make a which should contain information about the they did with a famous who works in the domain of

D. What is the prize of the competition? (2 elements).

Document 2

E. Copy the following table onto your paper and complete it.

NAME	Brian Cox
AGE	-
PLACE OF STUDY	-
JOBS IN THREE DIFFERENT DOMAINS	- - -

F. Match and write out the appropriate dates with the sentences in the list below.

- | | |
|----------|---|
| 1) 1990s | a) British pupils got better results in science exams. |
| 2) 2010 | b) Brian Cox and his group of musicians had a hit. |
| 3) 2010 | c) More pupils took science degrees. |
| 4) 2012 | d) Brian Cox’s first show about our universe was broadcast. |
| 5) 2012 | e) The national TV channel dedicated this year to science. |

G. Pick out one sentence in the text for EACH statement showing that

- 1) according to Brian Cox, TV has an obligation to help people to learn.
- 2) Brian Cox thinks there will be more science on TV in the future.

H. Complete the sentence by using one of the following adjectives.

complicated – useful – unprofitable – elitist

As a conclusion, we can say that science programmes are

Documents 1 and 2

I. The following sentences are right. Justify by quoting the text.

- 1) Natalie Portman thinks her action can transform girls’ destinies. (**Document 1**)
- 2) Brian Cox thinks the media can transform the way people think and react. (**Document 2**)

II. EXPRESSION ÉCRITE

Choose ONE of the following subjects (150 words minimum)

A. Write about a television programme that you find particularly inspiring. Choose any domain : arts, sports, travel, science, technology, cooking, etc.

OR

B. Here are the profiles of three successful scientists. You have interviewed **ONE** of them. Write out the interview.

1	NAME: R. Rodriguez
	JOB: Aerospace Engineer
	ADDRESS: Phoenix, Arizona
	OTHER INFORMATION: took a trip to Space Center in Houston at the age of 11; 2 years at International Space University in Strasbourg; fluent in French & Japanese.

2	NAME: G. Knopf
	JOB: Professor of Biomedical Science
	ADDRESS: Eagle, Idaho
	OTHER INFORMATION: High school dropout but ultimately got a PhD in physical chemistry; active in research in stem cell biology, diabetes, and blood vessel disease.

3	NAME: E. Sky
	JOB: App developer for smartphones
	ADDRESS: Franklin, Georgia
	OTHER INFORMATION: writes articles about video games for computer magazines and science fiction novels.