

**English B – Standard level – Paper 1**  
**Anglais B – Niveau moyen – Épreuve 1**  
**Inglés B – Nivel medio – Prueba 1**

Wednesday 2 November 2016 (morning)  
Mercredi 2 novembre 2016 (matin)  
Miércoles 2 de noviembre de 2016 (mañana)

1 h 30 m

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**Text booklet – Instructions to candidates**

- Do not open this booklet until instructed to do so.
- This booklet contains all of the texts required for paper 1.
- Answer the questions in the question and answer booklet provided.

**Livret de textes – Instructions destinées aux candidats**

- N'ouvrez pas ce livret avant d'y être autorisé(e).
- Ce livret contient tous les textes nécessaires à l'épreuve 1.
- Répondez à toutes les questions dans le livret de questions et réponses fourni.

**Cuaderno de textos – Instrucciones para los alumnos**

- No abra este cuaderno hasta que se lo autoricen.
- Este cuaderno contiene todos los textos para la prueba 1.
- Conteste todas las preguntas en el cuaderno de preguntas y respuestas.

Text A

## Beauty pageants great for women



I was recently able to meet Louise Upston, New Zealand's Minister for Women, and firstly wanted to know if she was an "anti-feminist", as many have called her.

5 "Not at all!" she replied, "I've been accused of that because I support beauty contests. I became a fan of these pageants at a Miss Tokoroa contest where I was most impressed by the talent and self-possession of the contestants. The confidence that these girls had at the end of it – you literally had to see it to believe it!"

I then asked her [ - X - ].

10 Ms Upston smiled: "It's about confidence, it's about having belief in their ability. These are new beauty contests! The director Jack Yan had forbidden the old-fashioned swimwear section, thereby making these contests suitable for modern 21<sup>st</sup> Century women".

[ - 3 - ]

"Take someone like Corporal Louise Nelson, a helicopter crewmember in the New Zealand Royal Air Force. She's someone who has self-assurance; she has dignity and is so composed."

[ - 4 - ]

15 "Some were shocked," she confessed. "Traditional contestants were judged on beauty, appealing to brands and men; now we're highlighting brains and ability. As Minister for Women, I surprised people by not being what they call a feminist. What is a feminist? It's someone who knows and understands women's issues and tries to do something about it."

[ - 5 - ]

"Certainly not! Work still has to be done. There remains a gender pay gap. Women are still highly represented in low-paid jobs, and they are still victims of sexual and domestic violence in numbers far in excess of males. No, we are not done!"

Fairfax Media NZ

**Text B**

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Text C

## Online news dominates but consumers trust television more

A recent Reuters survey included an Irish sample for the first time this year and showed that TV is still the most highly valued news source in Ireland. It commands the most trust because of its accuracy and reliability.

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According to the report, traditional news is perceived to be more accurate, reliable and trusted than online news in general.

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The study said social media is not as highly valued as other news sources in Ireland with just 7% considering it reliable and accurate. This compares to 37% for TV and 12% for print news.

Social media usage in Ireland is 71% and its use as a news source is 46%. Both figures are above international averages.

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However, there is also a growing reliance on search engines and social media for finding news.

Searching is how 46% of Irish respondents find news while 44% go directly to news channel websites. Only 21% of 18 to 24-year-olds go directly to news channel websites whereas 49% of 35 to 55-year-olds and above do.

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Irish news users are also half as likely to pay a subscription fee for online journalism as their counterparts in Finland and Denmark. Just 7% of the 1500 Irish respondents said they had paid for regular online news content in the year prior to the survey, compared to 13% and 14% in Denmark and Finland respectively. In addition, 82% of the Irish respondents stated that they were unlikely to pay for such news services in the future.

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The study also said the Irish have embraced digital devices with older generations largely using computers while smartphones are more popular among young people.

However, most still follow traditional news output patterns by tuning into scheduled TV news bulletins. Newspapers and radio still reach about half of the population in a given week.

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Text D

# NASA's 3D Printed Habitat Challenge!

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## What is NASA's 3D Printed Habitat Challenge?

To put humans on Mars, NASA is going to need new technologies. The challenge aims to tap unconventional sources to create that technology: we're reaching out to makers, hackers, innovators, artists, scientists, hobbyists, retirees – pretty much anybody – and offering several million-dollar prizes.

[ - X - ] Ultimately we want a 3D printer that we can send to Mars to build habitats for astronauts, using only the materials found on the planet's surface and recycled plastic. For NASA's human journey to Mars, expected in 2030, we must take everything that we need with us or use what's there.

10 Once we get to Mars, we'll have an abundance of plastic from food containers and various experiments. The challenge will be to combine plastic with regolith – Martian soil – and demonstrate that you can print with these two materials. Another challenge is to print an actual residence large enough to house four astronauts.

15 [ - 37 - ] The plastic might be used as glue for the regolith. The really nice thing about the surface of Mars is that the rock and soil are already loose and in a condition to be used immediately. For our challenge, we'll provide an equivalent of this regolith.

[ - 38 - ] People don't always realise this, but it's not so much that there's a lack of oxygen in a spacecraft or habitat, it's that you have too much carbon dioxide. So the issue is to scrub out the carbon dioxide and free the oxygen. This is another challenge.

20 **Alien worlds aside, it's fair to say that lots of people need shelter on Earth.** [ - X - ] we develop a new product, we try to make sure that there's an application [ - 39 - ] on Earth. We have plenty of used plastics, and we have plenty of rocks we could crush up. [ - 40 - ] we can create technology to print with just plastic and rocks, imagine the possibilities. We [ - 41 - ] make anything from houses to doghouses.

25 For further information and application forms, please click [here](#).