**Priprava na učni sklop za razvijanje strokovne pismenosti v 3. letniku strokovne gimnazije**

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| **1. učna ura** | **Tematika**  (krovna in konkretna)  **TOPIC**  **(General and Specific)** | PROFESSIONAL LITERACY  **Smartphones** (Google Nexus 4) |
| **Vrsta/-e ITP**  **Type of TT** | dialogue, supportive, traditional |
| **Cilji pouka**  **Goals of the lesson** | 1. Students discuss the theme of gadget addiction in the 21st century and elicit the consequences of phone addiction. 2. Students practice reading skills using technical text. 3. Students form new words from different parts of speech. 4. Students answer questions based on the text. 5. Students match technical key words to their explanations. 6. Students discuss the new smartphone phone from Google |
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| **2. učna ura** | **Tematika**  (krovna in konkretna) | PROFESSIONAL LITERACY  Smartphone Accessories (Sony SmartWatch) |
| **Vrsta/-e ITP** | dialogue, supportive, traditional, parallel |
| **Cilji pouka** | 1. Students watch a video and answer questions about its content. 2. Students express their opinions about the Sony SmartWatch.   Students write a formal transactional email, in which they need to use their critical thinking skills and express their opinion and give recommendations about the Sony SmartWatch. |
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1. **UČNA URA**

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| ***Št.*** | ***Sestavine programa USP*** | ***Opis*** | ***Gradivo*** |
| **1.1** | **Tematika učne ure**  (krovna in konkretna)  **TOPIC**  **(General and Specific)** | PROFESSIONAL LITERACY  Smartphones (Google Nexus 4) |  |
| **1.2** | **Učni sklop in oz. cilj iz UN**  **Curriculum connections** | Discussion, phrasal verbs, expressing opinions, word formation, reading comprehension, vocabulary | Okvirna priprava na učni sklop  (Lesson plan outline) |
| **1.3** | **Cilji POUKA = Učni cilji**  **Goals of the lesson** | 1. Students discuss the theme of gadget addiction in the 21st century and elicit the consequences of phone addiction. 2. Students practice reading skills using technical text. 3. Students form new words from different parts of speech. 4. Students answer questions based on the text. 5. Students match technical key words to their explanations. 6. Students discuss the new smartphone phone from Google | Podrobna priprava na učno uro  (Detailed lesson plan) |
| **1.4** | **Pričakovani učni dosežki**  **Expected outcomes** | **At the end of the lesson,**   1. Students will be able to analyse the problem of phone addiction and identify its potential consequences. 2. Students will improve their pronunciation skills, especially with regard to technical words. 3. Students will be able to derive new words from different parts of speech. 4. Students will be able to answer questions based on the text. 5. Students will be able to explain the technical key words from the text and translate them into Slovene. 6. Students express their opinion on the new smartphone from Google |
| **1.5** | **Didaktične značilnosti ure** (pristopi - metode; vrsta/-e ITP; učne dejavnosti; učna orodja) | **Methods/approaches:** discussion, frontal, pair work  **Types of team teaching:** dialogue, supportive, traditional  **Tools:** computer, internet, projector, students' handouts, teachers' handouts  **Activities:**   1. Discuss gadget addiction in the 21st century and explore the consequences of phone addiction. 2. Ask studens to read the text and complete the word formation. 3. Ask students to answer the questions from the text. 4. Ask students to complete the vocabulary exercise on technical words. 5. Ask students to reflect on the information provided about the smartphone and discuss with the class. |

1. **UČNA URA**

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| --- | --- | --- | --- |
| ***Št.*** | ***Sestavine programa USP*** | ***Opis*** | ***Gradivo*** |
| **1.1** | **Tematika učne ure**  (krovna in konkretna)  **TOPIC**  **(General and Specific)** | PROFESSIONAL LITERACY  Comparing and contrasting two smartphones (iPhone 5 and Google Nexus 4) |  |
| **1.2** | **Učni sklop in oz. cilj iz UN**  **Curriculum connections** | Scanning for information, writing skills, writing an informal transactional email, critical thinking based on students' knowledge and understanding of technical materials/data | Okvirna priprava na učni sklop |
| **1.3** | **Cilji POUKA = Učni cilji**  **Goals of the lesson** | 1. Students watch a video and answer questions about its content. 2. Students express their opinions about the Sony SmartWatch. 3. Students write a formal transactional email, in which they need to use their critical thinking skills and express their opinion and give recommendations about the Sony SmartWatch. | Podrobna priprava na učno uro |
| **1.4** | **Pričakovani učni dosežki**  **Expected outcomes** | At the end of this lesson, students will be able to:   1. Express their opinions about the iPhone 5 and Google Nexus 4 2. Compose a formal transactional email about the two phones, making full use of their critical thinking skills. |
| **1.5** | **Didaktične značilnosti ure** (pristopi - metode; vrsta/-e ITP; učne dejavnosti; učna orodja) | **Methods/approaches:** discussion, frontal, presentation, individual work  **Types of team teaching:** dialogue, supportive, traditional, parallel  **Tools:** computer, internet, projector, students' handouts, teachers' handouts  **Activities:**   1. Show video about Sony Smartwatch and ask students to answer questions. 2. Ask students to express their opinions about the Sony SmartWatch. 3. Ask students to write a formal transactional email, in which they need to use their critical thinking skills and express their opinion and give recommendations about the Sony SmartWatch. |

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| Gradivo pripravili |  |
| **Amresh Torul and Amanda Zupanc** |  |
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****Professional Literacy Development (G3A/B, 2012/13):** *Google Nexus 4 – Part 1* ***(STUDENT HANDOUT)***

**Teachers:** *Amresh Torul and Amanda Zupanc* **Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***TASK 1 Read the text and while reading, put the words in brackets into their correct form.***

**Google Nexus 4 Review**

**NEXUS 4**, the new smartphone by Google and LG, packs in a ferocious quad-core processor, a whopping 2GB of RAM, a **(1)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(GLORY)** 4.7-inch display and the latest Android 4.2 Jelly Bean software, which boasts some really cool new features. With prices as low as £239 (8GB) or £279 (16GB), it's just half the price of its rivals.

***Source:*** *Google.com*

**Design and build quality**

The device measures 134mm long and 69mm wide -- a very similar size to the Samsung Galaxy S3. At 9.1mm thick though, it's a tad chubbier than the S3 and **(2)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CONSIDER)** fatter than the [iPhone 5](http://reviews.cnet.co.uk/mobile-phones/apple-iphone-5-review-50003119/)'s 7.6mm. The casing feels a little on the plasticky side and it doesn't have the same solid feel as its rivals. It weighs 139 grams and its glass front is made from Corning Gorilla Glass 2, which is toughened to be more **(3)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(RESIST)** to scratches and breakages. Around the edges you'll find a power button, volume rocker, 3.5mm headphone jack and a micro-USB port for charging and data transfer. There's sadly no micro-SD card slot so there's no way to expand the internal memory. That's a problem as it only offers 8 or 16GB of storage.

**Screen**

The Nexus 4 comes with a 4.7-inch screen, giving it more display room than the iPhone 5's 4 inches and just a tiny bit less than the Galaxy S3's 4.8 inches. The display's resolution is 768 x 1,280 pixels. That's slightly higher than the S3's resolution. Those thousands of pixels make it extremely sharp. Text is **(4)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(BEAUTY)** clear, so reading for longer periods in a web browser or in the Kindle app is perfectly pleasant. Watching high definition video is a joy.

**Android 4.2 Jelly Bean**

The Nexus range of devices are designed to showcase the latest version of Google's Android operating system. As such, it's loaded up with the new Android 4.2 Jelly Bean.

Jelly Bean brought a few neat features such as smoother swiping and the live information service Google Now. The notifications bar is similar to the existing one too, showing detailed information about events, emails and text messages so you know what's worth reading now or saving for later. Importantly, it's added an extra section that gives immediate access to settings like Wi-Fi, Bluetooth and screen brightness.

Google's Maps service is not only packed full of information about local businesses, it also offers full turn-by-turn GPS navigation, angled map view and voice updates. Considering the price of some car satellite navigators, the free Google alternative is an excellent **(5)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(ADD)**.

The standard Jelly Bean 4.2 keyboard is fairly comfortable to type on and brings up suggested words as you type. It was mostly accurate and helped speed up writing long emails by automaticallycorrecting my frequent spelling and grammar mistakes.

**Power and performance**

Stuffed inside the phone is a 1.5GHz quad-core chip, backed up by 2GB of RAM. To see how it stacks up against the **(6)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(COMPETE)**, I booted up my benchmark test and hit go. It returned a frankly astonishing score of 1,975, putting it just below the powerful Samsung [Galaxy Note 2](http://reviews.cnet.co.uk/mobile-phones/samsung-galaxy-note-2-review-50009010/) and far above the S3. Swiping through the homescreens and loading menus was immediate and free of any lag. Editing photos was swift, and demanding 3D games such as *Riptide GP* played with extremely smooth graphics. There was basically nothing I was able to find that would slow this thing down.

Inside the Nexus 4's chunky body is a 2,100mAh battery, which is the same size as you'd find in the Galaxy S3. Indeed, I found it to give a similar level of performance. Unlike the Galaxy S3's battery though, the Nexus 4's is not **(7)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(REMOVE)**. For the most part that won't present a problem, but it does mean you can't buy a spare to keep on you in case of emergencies.

**Camera**

On the back of the Nexus you'll spot an 8-megapixel camerawith an LED flash. For standard shots, the results are pretty much even with the other big **(8)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(PLAY)** in the top-end phone arena. The real joy of this phone's camera, though, are the software features Google has added to this version of Android, chief among which is Photo Sphere. This builds on the existing panorama function, allowing you to take photos in a 360-degree circle, creating a 3D ball around you, as you swipe around on your phone in every direction. Google has also built numerous editing tools straight into the core interface. You can apply filters, crop and rotate your images and tweak settings like brightness, contrast, sharpness and add borders to give them the final **(9)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(ART)** touch.

**Conclusion**

Like it did with the Nexus 7 tablet, Google has completely re-written the rules on what to expect from an Android phone. The Nexus 4 offers not only astonishing power from its quad-core chip, but an excellent screen and exciting updates to the Android operating system. Most importantly, it comes with a price tag at least half that of its technical rivals. The lack of **(10)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(EXPAND)** storage and removable battery are a little disappointing, but it more than makes up for it in every other way.

***Source:***[*http://reviews.cnet.co.uk/mobile-phones/google-nexus-4-review-50009629/*](http://reviews.cnet.co.uk/mobile-phones/google-nexus-4-review-50009629/) *(November 2012)*

***TASK 2 Read the text again and answer the questions in short form.***

1. What kind of processor does the Nexus 4 have?
2. Which material is the front of the phone made of?
3. How is the phone’s screen size compared to that of the Samsung Galaxy S3 and the iPhone 5?
4. Which operating system is installed on the Nexus 4?
5. How is Google’s live information service called?
6. What has Google added to the notification bar of the new operating system?
7. What do we learn in the text about Google’s new maps service?
8. How did the Nexus 4 do in the benchmark test compared to the Galaxy Note 2 and Galaxy S3?
9. What can you do with Google’s built-in photo editing tools?
10. Write down three disadvantages of the Nexus 4 mentioned in the text.

***TASK 3 Match the highlighted words from the text with their correct explanations.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| quad-core | micro-SD | Wi-fi | benchmark | LED |
| RAM | operating system | Bluetooth | lag | tweak |

|  |  |
| --- | --- |
| **Explanations** | **Highlighted words** |
| a semiconductor light source called light-emitting diode |  |
| to make slight changes to a machine, system, etc. to improve it |  |
| something that can be measured and used as a standard that other things can be compared with |  |
| a popular wireless networking technology using radio waves, also called wireless fidelity |  |
| memory area in a computer used to store temporary data required by the processor, called Random Access Memory |  |
| a wireless technology for exchanging data over short distances, using short-range radio signals |  |
| a type of processor with four independent processing units called cores |  |
| the software that controls your computer's tasks and manages system resources to optimise performance |  |
| a small-size version of the memory card format called “secure digital” |  |
| a delay in a computer’s response to the user’s input |  |

****Professional Literacy Development (G3A/B, 2012/13):** *Google Nexus 4 – Part 2* ***(TEACHER HANDOUT)***

**Teachers:** *Amresh Torul and Amanda Zupanc*

***TASK 1 Read the text and while reading, put the words in brackets into their correct form.***

**Google Nexus 4 Review**

**NEXUS 4**, the new smartphone by Google and LG, packs in a ferocious quad-core processor, a whopping 2GB of RAM, a **(1) GLORIOUS** 4.7-inch display and the latest Android 4.2 Jelly Bean software, which boasts some really cool new features. With prices as low as £239 (8GB) or £279 (16GB), it's just half the price of its rivals.

***Source:*** *Google Play*

**Design and build quality**

The device measures 134mm long and 69mm wide -- a very similar size to the Samsung Galaxy S3. At 9.1mm thick though, it's a tad chubbier than the S3 and **(2) CONSIDERABLY** fatter than the [iPhone 5](http://reviews.cnet.co.uk/mobile-phones/apple-iphone-5-review-50003119/)'s 7.6mm. The casing feels a little on the plasticky side and it doesn't have the same solid feel as its rivals. It weighs 139 grams and its glass front is made from Corning Gorilla Glass 2, which is toughened to be more **(3) RESISTANT** to scratches and breakages. Around the edges you'll find a power button, volume rocker, 3.5mm headphone jack and a micro-USB port for charging and data transfer. There's sadly no microSD card slot so there's no way to expand the internal memory. That's a problem as it only offers up to 8 or 16GB of storage.

**Screen**

The Nexus 4 comes with a 4.7-inch screen, giving it more display room than the iPhone 5's 4 inches and just a tiny bit less than the Galaxy S3's 4.8 inches. The display's resolution is 768 x 1,280 pixels. That's slightly higher than the S3's resolution. Those thousands of pixels make it extremely sharp. Text is **(4) BEAUTIFULLY** clear, so reading for longer periods in a web browser or in the Kindle app is perfectly pleasant. Watching high definition video is a joy.

**Android 4.2 Jelly Bean**

The Nexus range of devices are designed to showcase the latest version of Google's Android operating system. As such, it's loaded up with the new Android 4.2 Jelly Bean.

Jelly Bean brought a few neat features such as smoother swiping and the live information service Google Now. The notifications bar is similar to the existing one too, showing detailed information about events, emails and text messages so you know what's worth reading now or saving for later. Importantly, it's added an extra section that gives immediate access to settings like Wi-Fi, Bluetooth and screen brightness.

Google's Maps service is not only packed full of information about local businesses, it also offers full turn-by-turn GPS navigation, angled map view and voice updates. Considering the price of some car satellite navigators, the free Google alternative is an excellent **(5) ADDITION**.

The standard Jelly Bean 4.2 keyboard is fairly comfortable to type on and brings up suggested words as you type. It was mostly accurate and helped speed up writing long emails by automaticallycorrecting my frequent spelling and grammar mistakes.

**Power and performance**

Stuffed inside the phone is a 1.5GHz quad-core chip, backed up by 2GB of RAM. To see how it stacks up against the **(6) COMPETITION**, I booted up my benchmark test and hit go. It returned a frankly astonishing score of 1,975, putting it just below the powerful Samsung [Galaxy Note 2](http://reviews.cnet.co.uk/mobile-phones/samsung-galaxy-note-2-review-50009010/) and far above the S3. Swiping through the homescreens and loading menus was immediate and free of any lag. Editing photos was swift, and demanding 3D games such as *Riptide GP* played with extremely smooth graphics. There was basically nothing I was able to find that would slow this thing down.

Inside the Nexus 4's chunky body is a 2,100mAh battery, which is the same size as you'd find in the Galaxy S3. Indeed, I found it to give a similar level of performance. Unlike the Galaxy S3's battery though, the Nexus 4's is not **(7) REMOVABLE**. For the most part that won't present a problem, but it does mean you can't buy a spare to keep on you in case of emergencies.

**Camera**

On the back of the Nexus you'll spot an 8-megapixel camerawith an LED flash. For standard shots, the results are pretty much even with the other big **(8) PLAYERS** in the top-end phone arena. The real joy of this phone's camera, though, are the software features Google has added to this version of Android, chief among which is Photo Sphere. This builds on the existing panorama function, allowing you to take photos in a 360-degree circle, creating a 3D ball around you, as you swipe around on your phone in every direction. Google has also built numerous editing tools straight into the core interface. You can apply filters, crop and rotate your images and tweak settings like brightness, contrast, sharpness and add borders to give them the final **(9) ARTISTIC** touch.

**Conclusion**

Like it did with the Nexus 7 tablet, Google has completely re-written the rules on what to expect from an Android phone. The Nexus 4 offers not only astonishing power from its quad-core chip, but an excellent screen and exciting updates to the Android operating system. Most importantly, it comes with a price tag at least half that of its technical rivals. The lack of **(10) EXPANSION** storage and removable battery are a little disappointing, but it more than makes up for it in every other way.

***Source:***[*http://reviews.cnet.co.uk/mobile-phones/google-nexus-4-review-50009629/*](http://reviews.cnet.co.uk/mobile-phones/google-nexus-4-review-50009629/) *(November 2012)*

***TASK 2 Read the text again and answer the questions in short form.***

1. What kind of processor does the Nexus 4 have?

***Quad-core***

1. Which material is the front of the phone made of?

***Glass***

1. How is the phone’s screen size compared to that of the Samsung Galaxy S3 and the iPhone 5?

***Slightly smaller than S3 and bigger than iPhone5***

1. Which operating system is installed on the Nexus 4?

***Android 4.2 (Jelly Bean)***

1. How is Google’s live information service called?

***Google Now***

1. What has Google added to the notification bar of the new operating system?

***Quick access to settings for Wi-fi, Bluetooth and screen brightness***

1. What do we learn in the text about Google’s new maps service?

***It has turn-by-turn navigation, angled map view and voice updates.***

1. How did the Nexus 4 do in the benchmark test compared to the Galaxy Note 2 and Galaxy S3?

***Just below*** [***Galaxy Note 2***](http://reviews.cnet.co.uk/mobile-phones/samsung-galaxy-note-2-review-50009010/) ***and far above Galaxy S3***

1. What can you do with Google’s built-in photo editing tools?

***Apply filters, crop and rotate images and adjust brightness, contrast and sharpness***

1. Write down three disadvantages of the Google Nexus 4 that are mentioned in the text.

***- plastic feel***

***- no expansion storage***

***- no removable battery***

***TASK 3 Match the highlighted words from the text with their correct explanations.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| quad-core | micro-SD | Wi-fi | benchmark | LED |
| RAM | operating system | Bluetooth | lag | tweak |

|  |  |
| --- | --- |
| **Explanations** | **Highlighted words** |
| a semiconductor light source called light-emitting diode | **LED** |
| to make slight changes to a machine, system, etc. to improve it | **tweak** |
| something that can be measured and used as a standard that other things can be compared with | **benchmark** |
| a popular wireless networking technology using radio waves, also called wireless fidelity | **Wi-fi** |
| memory area in a computer used to store temporary data required by the processor, called Random Access Memory | **RAM** |
| a wireless technology for exchanging data over short distances, using short-range radio signals | **Bluetooth** |
| a type of processor with four independent processing units called cores | **quad-core** |
| the software that controls your computer's tasks and manages system resources to optimise performance | **operating system** |
| a small-size version of the memory card format called “secure digital” | **micro-SD** |
| a delay in a computer’s response to the user’s input | **lag** |

Sony Xperia - Waterproof phones

Texting and falling in the canal

Birmingham canals

http://www.bbc.co.uk/news/uk-21116547

Texting and driving

<http://www.bbc.co.uk/news/uk-england-berkshire-17827708>

Discussion about Google products

<http://www.google.co.uk/intl/en/about/products/>

****Professional Literacy Development (G3A/B, 2012/13):** *Google Nexus 4 – Part 2* ***(STUDENT HANDOUT)***

**Teachers:** *Amresh Torul and Amanda Zupanc* **Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***TASK 1 Complete the comparison chart below using information from the text on Google Nexus 4.***

|  |  |  |
| --- | --- | --- |
| ***Specifications*** | ***iPhone 5*** | ***Google Nexus 4*** |
| **Operating System** | iOS 6 |  |
| **Processor** | 1.2 GHz dual-core Apple A6 |  |
| **RAM** | 1GB |  |
| **Display size** | 4-inch |  |
| **Display resolution** | 1136 x 640 |  |
| **Dimensions (mm) -**  **Height, width, thickness** | **Height:** 123.8 mm  **Width:** 58.6 mm  **Thickness:** 7.6 mm |  |
| **Weight** | 112 grams |  |
| **Body material** | Aluminium and glass |  |
| **Connectivity** | Lightning port |  |
| **Internal storage** | up to 64GB |  |
| **Expansion storage** | No |  |
| **Removable battery** | No |  |
| **Camera** | 8MP |  |
| **Price** | 16GB - £529  32GB - £599  64GB - £699 |  |

***TASK 2 Read the instructions and the email below.***

Being a student at Vegova Ljubljana, you have developed various technical skills and are always interested in technology and gadgets, especially when it comes to smartphones. Your friend, Andrea, has sent you an email, asking for advice regarding smartphones. Read the email and respond to it with the help of the comparison chart from Task 1.

