



<b>Sample assessment task</b>	
<b>Year level</b>	1
<b>Learning area</b>	Technologies
<b>Subject</b>	Digital Technologies
<b>Title of task</b>	We live in a digital world
<b>Task details</b>	
<b>Description of task</b>	Students will investigate a variety of digital systems that are used in their home and school environments. They will identify the specific features of these and outline how they are used in everyday life.
<b>Type of assessment</b>	Summative
<b>Purpose of assessment</b>	To assess students' knowledge of the different features of a range of digital systems and how these are used in everyday life
<b>Assessment strategy</b>	Labelled diagrams and simple sentences
<b>Evidence to be collected</b>	Assessment booklet
<b>Suggested time</b>	3 x 45 minute lessons
<b>Content description</b>	
<b>Content from the Western Australian Curriculum</b>	<b><i>Knowledge and Understanding</i></b> <b>Digital Systems</b> Digital systems (hardware and software) are used in everyday life and have specific features
<b>Task preparation</b>	
<b>Prior learning</b>	Students have been exposed to a variety of digital systems in the home and school environment, e.g. mobile phone, home phone, laptop, tablet, computer, camera, game console cameras. Students have used a range of digital systems at home and in school. Students have completed labelled diagrams in the past.
<b>Assessment differentiation</b>	Teachers should differentiate their teaching and assessment to meet the specific learning needs of their students, based on their level of readiness to learn and their need to be challenged.  Where appropriate, teachers may either scaffold or extend the scope of the assessment tasks.
<b>Assessment task</b>	
<b>Assessment conditions</b>	Individual assessment
<b>Resources</b>	Assessment booklet

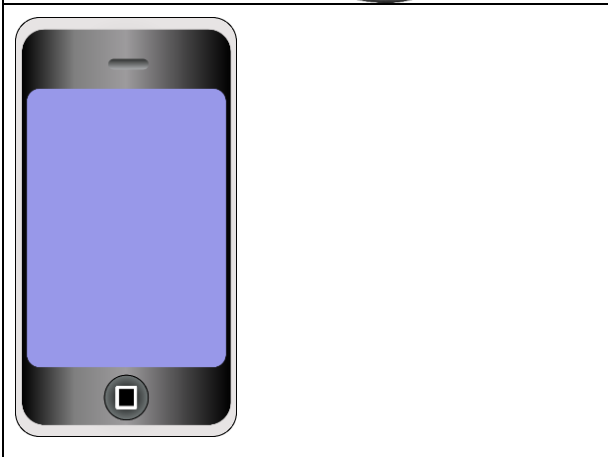
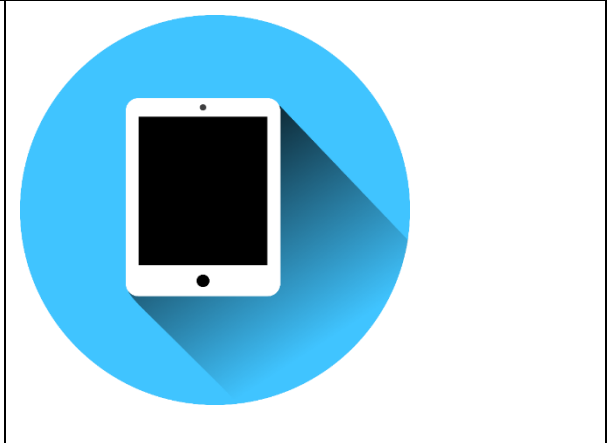
## Instructions for teacher

This task is formatted to be assessed through a written section of the student’s response, this can be completed by the student, the teacher or classroom assistant or alternatively, videoed responses.

<b>Lesson 1: Features</b>	
<b>Inspire/inform</b>	Read class book about computers. For example: <ul style="list-style-type: none"> <li>• <i>Arthur’s Computer Disaster</i>: Marc Brown</li> <li>• <i>Diary of a Computer Worm</i>: Doreen Cronin</li> <li>• <i>Surf Sammy’s New Computer</i>: Christina Burkhart</li> </ul> Discuss specific features of computers mentioned. Explain what a feature is.
<b>Show</b>	Have x7 A4 pictures of digital systems printed off in colour and laminated. Students in circle on mat. Place picture in centre and discuss specific features of each.
<b>Tell</b>	Choose the picture of a computer. Place on white-board and model to students how to label its specific features, using arrows.
<b>Apply</b>	Students choose two pictures of a digital system at random out of a hat. Glue onto one landscape A3 page and label specific features of each, using arrows.
<b>Reflect</b>	Sharing Circle. Students to bring completed work to the mat and sit in a circle. Each student to share one feature they wrote about one of their digital systems.

<b>Lesson 2: Uses</b>	
<b>Inspire/inform</b>	Museum Walk: Have a range of digital systems on display around the classroom with a label near each (mobile phone, home phone, laptop, tablet, computer, camera, game console). Students to walk around the room and observe the different features of each and to think about how they are used in everyday life.
<b>Show</b>	Teacher to collect digital systems and show one at a time to the class, discussing their features and outlining how they are used in everyday life.
<b>Tell</b>	Short Recount. Teacher to choose one digital system and students write a short recount about how they have used it in the past.
<b>Apply</b>	Short Recount. Students write how/what for they have used the digital systems in the past.
<b>Reflect</b>	Sharing Circle. Students to bring completed work to the mat and sit in a circle. Depending on time, teacher to choose each student or just a few to read their recount to the whole class.

<b>Lesson 3: Assessment</b>	
<b>Inspire/inform</b>	Watch YouTube Clip, Parts of the Computer. <a href="https://www.youtube.com/watch?v=6Gkd2QOWKAI">https://www.youtube.com/watch?v=6Gkd2QOWKAI</a>
<b>Show</b>	View digital systems from Lesson 2 and brief class discussion about features and uses.
<b>Tell</b>	Show students assessment booklet and explain what they will be doing.
<b>Apply</b>	Students to be seated at their desk. Complete assessment booklet individually.
<b>Reflect</b>	View YouTube Clip, From Alexander Graham Bell to the iPhone 6. <a href="https://www.youtube.com/watch?v=yf3dUvGNx5A">https://www.youtube.com/watch?v=yf3dUvGNx5A</a>



Teacher-selected image

These pictures are to be photocopied so that there are enough for each student to have two. Once photocopied, cut them out and place them into a bag or hat for students to choose from without looking.

**Instructions to students Lesson 3**

Assessment Booklet: We Live in a Digital World

Your task is to label the specific features of each digital system and to write how it is used in everyday life.



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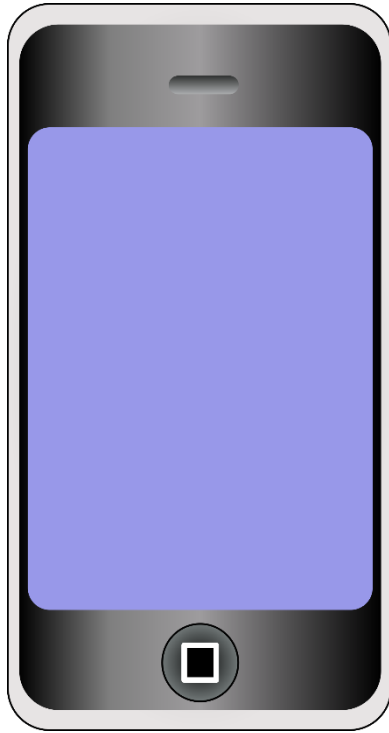
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Teacher-selected image

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## Marking key

We live in a digital world	
Description	Check
<b>Specific Features</b>	✓
Independently identifies specific features of a range of digital systems.	
Identifies specific features of digital systems.	
With assistance, identifies some features of digital systems.	
Description	Check
<b>Uses in Everyday Life</b>	✓
Independently describes how a range of digital systems are used in everyday life.	
Identifies how digital systems are used in everyday life.	
With assistance, identifies how some digital systems are used in everyday life.	

**Comments:**

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## ACKNOWLEDGEMENTS

### Images

#### PC

OpenClipart-Vectors. (2013). [PC clipart]. Retrieved December, 2017, from <https://pixabay.com/en/computer-desktop-workstation-office-158675/>

#### Laptop computer

Clker-Free-Vector-Images. (2012). [Laptop computer clipart]. Retrieved December, 2017, from <https://pixabay.com/en/laptop-black-blue-screen-monitor-33521/>

#### Camera

Keistutis. (2012). *Camera no filters* [Image]. Retrieved July, 2017, from <https://openclipart.org/detail/168562/camera-no-filters>

#### Tablet

Benjo2000. (2016). *Blue tablet* [Image]. Retrieved July, 2017, from <https://openclipart.org/detail/240651/blue-tablet>

#### Smartphone

Motudo. (2008). *Mobile phone with big screen* [Image]. Retrieved July, 2017, from <https://openclipart.org/detail/18694/mobile-phone-with-big-screen>

#### Cordless phone

Darth\_Gimp. (2007). *Cordless phone* [Image]. Retrieved July, 2017, from <https://openclipart.org/detail/4442/cordless-phone>