

### The role of ICT in education

- 1 [Text on screen] Technology is always developing. The more it develops, the more we change. This change has an impact on...
- 2 [Text on screen] students
- 3 I'm fourteen. I will probably spend at least five hours an hour on a computer. I love Facebook, chatting. I take pictures and send them to friends. It's pretty fun. I've got like five hundred friends.
- 4 I play Minecraft, War Craft. You can spend hours doing stuff and games. I spend most of my weekend playing. Sometimes after school, when I am allowed.
- 5 [Text on screen] employers
- 6 We're looking to hire employees that understand the digital world. We do a lot with marketing and communication. And we're looking to bring in skills that can enhance our performance on the global stage.
- 7 [Text on screen] teachers
- 8 One of my biggest struggles in the classroom is keeping my students focused on what's happening in class, and not on their mobile phone or laptop.
- 9 [Text on screen] organization
- 10 I needed to do an assignment, but I couldn't find the right information. The teachers gave us some handouts, but I left them in my locker. I'll probably get an ... for not being organized.
- 11 [Text on screen] career
- 12 I'm part of a global network which looks at energy efficiency. And I'm a member from Australia, so all our meetings are on line. I have to be up at 2 a.m. sometimes to be part of a web meeting that's based in the United States.
- 13 [Text on screen] distraction
- 14 A teacher caught me in Skype in class. I lost my laptop for the day. It was pretty annoying, cause all my work was in there. Then I had to start writing out from the beginning.
- 15 [Text on screen] trust
- 16 You have to be looking at what is on their screens all the time. I have a lot of trouble trusting students with computers. You just don't know what they could be doing.
- 17 [Text on screen] expectations
- 18 Manufacturing has become increasingly digital over the last decade. Jobs that used to require up to twelve workers can now be automated using machinery. What we're really looking for now is workers who have the digital skills to enhance our products at a conceptual level.
- 19 [Text on screen] The Role of ICT in Education
- 20 [Text on screen] A snapshot of the contemporary classroom
- 21 With the advent of technology, digital devices are having an increasing effect on
- 22 [Text on screen] communication
- 23 the way we communicate,
- 24 [Text on screen] communication
- 25 the way we manage ourselves,
- 26 [Text on screen] entertainment
- 27 the way we are entertained,
- 28 [Text on screen] production
- 29 the way we produce,
- 30 [Text on screen] learning
- 31 the way we learn,
- 32 [Text on screen] teaching
- 33 and now our teaching pedagogies.
- 34 The digital age has accelerated the flow of information.
- 35 With the invention and enhancement of new technologies, we've also seen a rise in the methods by which information can be accessed.
- 36 This year we've integrated laptops into our school. Every student from year 9 and above has a personal computer....
- 37 Our students email me work and it makes it easier for me to look over their tasks and send back feedback without having to chase them. My emails back up to the digital server so I can access them in my office, at home, or in the classroom. Internet access is the only thing I really need.
- 38 I can start an assignment at school and leave all of my research and applications open on the screen. When I get home it's all there waiting for me.
- 39 Organization is really improved. There are so many tools our students can access.
- 40 Students can find access quick enough most of the time, but they don't retain the information as well.

- 41 It's been hard to adjust the way I've always taught certain things. I still think writing down and repeating processes is the most important way of learning.
- 42 We did an assignment on Hinduism this term. The teacher gave us the information on a paper handout. He didn't want us looking in Wikipedia.
- 43 We're seeing more copying and pasting in our students' work, more reliance on the same resources. They're taking the fastest route to information without really considering some of the great options out there.
- 44 [Text on screen] adapting content to suit technology
- 45 One of the greatest struggles for teachers is adapting content and subject matter to suit the application of technology.
- 46 There are a range of tools available, but deciding which are most appropriate to enhance teaching and learning and which distract from content can be a fine line.
- 47 We looked at a website today the way you string together all these facts about history and make your movie with the frames in order. It was pretty funny.
- 48 Sometimes I find a website or great source that looks fun and engaging. I allow my students time to play with it, even if they are not really learning anything. I think the skills are still there.
- 49 We've been learning about the Great Depression, so our teacher sent us to this website that had pictures and videos that show that time. There were all these kids that were running around on the streets. Looked pretty awful.
- 50 [Text on screen] confidence, competence
- 51 Part of effective ICT use is having the confidence and competence to implement new technologies into the classroom.
- 52 I see weekly information about new resources in software, and I usually spend my Monday afternoon testing a few. Sometimes I save something that I think would be useful, but I recognize I delete more than half of them.
- 53 I tend to push technologies onto students that I use myself. That way I can model it, and often students end up using more features and giving me tips.
- 54 It's cool when you get to use something that other people are aware of. I use the same mobile organizer as my teacher. It's really good. I can see why she likes it.
- 55 Teachers rush into silly things in the Internet. We signed up to this site to see people's marks on line.

- 56 [Text on screen] efficiency vs. distraction
- 57 Students need to see effective ICT in action in order to understand the difference between efficiency and distraction.
- 58 The teacher plays a vital role in modelling this behaviour.
- 59 I have to make sure my phone is off or on silent if I bring it into class. I find the students would be more distracted by their devices if I have mine in class.
- 60 My students often ask me for a good website or app to help them with their assignment. I'm not really good on computers so I usually decide to google it.
- 61 If you don't know how to find information, it can be really hard to get your work done. I've spend ages on websites that have turned out to be totally wrong. I used some information once that my teacher said wasn't true.
- 62 There is this programme in class that lets you see different examples of what a word is. The teacher uses it sometimes for the class. It's really handy when you're not really sure what a word means.
- 63 [Text on screen] recognizing the potential of different ICT tools
- 64 Different tools produce different skills.
- 65 And this is a distinction that both teachers and students need to make if they are to successfully integrate ICT into their coaching.
- 66 It is about matching the outcome of what you want your students to learn, produce, or organize, with the technology that you choose.
- 67 If all of my students share some piece of information or use one type of tool and I want them to present what they know in a creative way, I use another. I don't think there is one form of technology that covers all the skills that our students need to learn.
- 68 It's really good when you can use a website or program for one assignment and then you can use it again for something different, even a different subject.
- 69 [Text on screen] using up to date resources
- 70 Another vital element for fulfilling the role of ICT in schools is incorporating up-to-date resources which relate to student interests.
- 71 The teacher set up a chat room for our class which we could use in lessons or for homework. I like typing my comments bet-

ter than speaking in class. It means I can look at what I've written and edit it.

- 72** Students enjoy communicating using technology, and it's funny that we don't utilise this more. I've been trying some digital discussions with my students, and it's interesting to see the change in... I think the key is making it safe but still providing some freedom.
- 73** I have my students upload half my presentations on line and have their peers post comments on their work. It's a great way to get students involved in the class community and it's accessible to those who won't normally speak in the classroom.
- 74** Being able to post comments to other students and teachers when I'm doing homework makes it feel like I'm still in the class. It's really handy when I get stuck. Sometimes I just press "I'm finished" and it's really cool to see teachers or other students commenting or hitting "Wack".
- 75** It is clear the role of ICT in education is still in the process of finding its fate.
- 76** [Text on screen] benefits
- 77** But we can see that the benefits it has on the value of teaching and learning can be exceptional if utilised correctly.
- 78** [Text on screen] willingness
- 79** The key to progress is a willingness to embrace the digital age
- 80** [Text on screen] investment
- 81** and take the time to invest in the enhancement of learning.
- 82** While the process may be filled with trials and conflicts,
- 83** [Text on screen] bridging the gap
- 84** bridging the gap between the interest of our students and their future needs to be the focus of schools.