

Tech for Education (Low Tech)

To understand how technology is used for education and broaden my knowledge of careers available in this field.

RESOURCES NEEDED

- Printouts of homework sheets
- Crayons/Felt tips
- Large paper for group notes and designs

SUGGESTED TIME FOR LESSON

- 2 Hours

SUGGESTED VENUE

- Computer Suite/Classroom with laptops

PREPARATION NEEDED

- Decide how you would like the students to present their famous women in tech research

NATIONAL CURRICULUM LINKS

Computing - Pupils are responsible, competent, confident and creative users of information and communication technology

Design and technology - Investigate new and emerging technologies

Spoken English - Giving short speeches and presentations, expressing their own ideas and keeping to the point



1

How is Tech used for Education? (5 min)

Discuss the examples on the PPT. Can the students think of any other examples?

How is technology shaping the way teachers teach and children learn?

How has technology changed whilst you have been at school?

2

What careers could you aspire to have in Tech for Education? (5 min)

Discuss the examples on the PPT and the related starting salaries (if you think this is appropriate and the children show an interest in the salaries). Do any of these careers appeal to the students and why?

6

The Future of Tech in Education – Holograms? (10 min)

Watch the following clip: <https://www.youtube.com/watch?v=DkQKrVV3SSQ>

What would happen if your teachers were holograms and perhaps you stayed at home?

Discuss the different possibilities this tech allows and the pros and cons with the class.

What do you think the future of education will look like?

7

Creating the future of education (30 min)

Watch the following clip and discuss – what do you think the future of learning will look like with technology?

https://www.youtube.com/watch?v=G_9AjuVVzJ0

Discuss how you could have a career creating these new apps and technologies to help students learn.

Challenge the children to create a labelled design of a piece of technology which would help the learners of the future.

If any tech was possible, what would you create? How would it help teachers and students?

Give the children time to present their designs to the class/another group and give each other feedback.

8

Class Discussion (5 min)

Did anything particularly interest you today? Would you like a career in education technology?

9

Homework and further learning opportunities (5 min)

Research an educational app, website or programme which a teacher in your school could use.

Find out about it and tell them why you think they should use it.

3

Watch the role model video (5 min)

After watching, discuss the role model's career path: What led them into a technology career? What do they enjoy about their career?

4

JigSpace (15 min)

What educational apps do the students already know of/use? Explain how there are a number of companies who specialise in creating apps for education and therefore employ lots of people to do this.

Show the students the advert for JigSpace.

<https://www.youtube.com/watch?v=CL0em5laXwc>

Discuss other ways this technology could be used. What else would the students like to see inside of? Ask them to draw something that they would like to see displayed as a jig. How would this tech enhance learning experiences?

5

Women in Tech (40 min)

Explain to the students that they are going to work in pairs/small groups. They are going to be given the name of a famous woman who either is or has worked in technology (use the names from the slide or find your own to inspire your class).

How the children present their work is up to you as a teacher. This could be a PowerPoint, video, a poster or they could even create a mask of the person and talk in the first person.

Give the children time to present to the class/another group.

