

Tech for Education (Mid Tech)

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



RESOURCES NEEDED

- Mirroring Device (Apple TV) or cable to demonstrate apps and show the class each other's ChatterPix
- 1 AR compatible phone or tablet to model Froggipedia and JigSpace to the class (Note: There is a small cost for Froggipedia)
- Printouts of homework sheets

SUGGESTED TIME FOR LESSON

- 2 Hours

SUGGESTED VENUE

- Computer Suite/Classroom with laptops

PREPARATION NEEDED

- Load ChatterPix Kids onto students tablets/iPads
- Ensure Flipgrid works on your tablets – if not use the desktop version but you will need camera and mic
- Create a Flipgrid for your class and create a grid for the homework and introductions
- Choose a selection of names of past or present workers in tech who you believe would interest your class, or use the ones on the presentation
- Load Froggipedia and JigSpace onto 1 AR compatible device

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

Science - Biology (animal anatomy)

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?

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 JigSpace AR app, and then the advert.

<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

Froggipedia (10 min)

Use the mirroring device to explore Froggipedia with the students. Discuss why they think App Designers create apps like this – to make learning experiences more accessible for all.

Discuss: What other learning experiences could be created as an app to make it easier for teacher to deliver and students to experience?

Why do you think PETA (People for the Ethical Treatment of Animals) recommend this app? How is this an example of using tech for good within education?

6

ChatterPix Kids (40 min) Works on older iPads

Show the students how to use ChatterPix Kids.

Explain that they are going to work in pairs/small groups. They are going to be given the name of a person working in technology. Their task is to create a ChatterPix of that person talking about themselves and their career.

To do this they will need to research the person, write a script in the first person, take a picture of the person (from screen to screen) and record their Chatterpix.

Students to then share with the class through mirroring device.

Discuss: What other ways do you think we could use ChatterPix in our lessons?

7

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

Watch the following clip: <https://www.youtube.com/watch?v=DkO KrVV3SSQ>

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?

8

Flipgrid (15 min)

Explain that virtual learning and online classrooms are ensuring that communication and learning through technology is accessible for all. Flipgrid is an example of a programme we can use to share our learning outside of the classroom.

Show students how to log on to and use Flipgrid to create videos of their learning. Ask them to create their profile selfie and leave an introductory video about themselves on the introduction grid.

9

Class Discussion (10 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. Can you see yourself working in any tech for education careers?

Did anything particularly interest you today?

10

Homework and further learning opportunities (5 min)

Use Flipgrid to create a video about an inspirational person in tech – current or historical. It is at each teachers discretion if they turn on comments and allow the students to comment on each other's videos, ask questions etc.

