

## ELECTRONIC EYE

**Activity 1 - Lead-in:** Look at the picture and try to remember as many details as possible.



Now close your eyes and imagine this place:

With which senses can you perceive what surrounds you?

What are your perceptions?

**Activity 2:** Categorize the words from the box into five categories connected with senses.

balance system - color - depth perception - food temperature - hearing - protection from external environment - olfaction - reaction to hot and cold - regulation of pressure of sinus - scent - sight - smell - sound - sweating - taste - taste buds - touch

eyes	nose	ears	skin	tongue

**Activity 3A:** Look at the statements. What senses are involved?

	Possible	Impossible
eat your favorite song		
listen to paintings		
create sound portraits		
dress in a way that it sounds good		
transform speeches into color		
hear if someone points at you with a remote control		

**Activity 3B:** Are the actions above possible? Why? Why not? Be creative :)

**Activity 4:** Watch Neil Harbisson's talk and check your answers. Can you explain now how it is possible for him?

TED talk: I listen to color  
 Speaker: Neil Harbisson



**Activity 5:** Watch Neil Harbisson's talk again and decide if the statements are true or false:

1. Neil dreams in black and white. T/F
2. The device has already become a part of Neil's body. T/F
3. The world heard in color has disappointed him. T/F
4. He also perceives sound as colors now. T/F
5. The electronic eye perceives more colors than a human eye. T/F
6. His perception of beauty hasn't been affected. T/F
7. Ultraviolet isn't dangerous for Neil. T/F
8. He predicts that applications for human bodies will be designed in the future T/F

**Activity 6:** Match 1-5 with A-E to make expressions from the talk

1. detect	A) color
2. extend	B) unite
3. see	C) one's senses
4. construct	D) an electronic eye
5. the brain and the device	E) color frequency

**Activity 7: Zaption** - Scan the code or copy the link to listen to Neil again and to the Zaption task



<http://zapt.io/trnz78fp>

**Activity 8:** Use the expressions from Activity 6 and add some other phrases from the talk to explain what the electronic eye is. Write 5-7 sentences.

Electronic eye

**Activity 9:** Discussion

1. Can you give three adjectives to describe this invention?

1.

2.

3.

2. Would you like to test it?

3. Neil encourages people to become cyborgs - what are the opportunities and threats?