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Health to

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Health dimension: Healthy lifestyles
Screen use
Environmental factors
Accessing advertising
Healthy diet
Doing sport

Name of activity: Dissection of a cow's/pig's eye

Description of the topic: The students are going to learn about the anatomy of the eye by dissecting a cow's/pig's eye. Moreover, each of them has to do some research on how screen usage affects the human eye (long-term and short-term consequences) and has to present one aspect of their research to the whole class.

Initial assessment: The eye has been tackled in the 1st form/ grade 5 before. Therefore they have basic knowledge of the eye.

Objectives of the activity:

Students understand the anatomy of the eye.

Students can name the different parts of the eye and describe their functions.

Students can state how screen-usage affects the eye/ eyesight.

Target group: Students of 4th form, grade 8

Activity process structure, implementation:

1. Getting to know the anatomy of the eye → Labelling exercise. (Source/adapted from: <http://www.enchantedlearning.com/subjects/anatomy/eye/label/labeleye.shtml> and https://askabiologist.asu.edu/sites/default/files/resources/coloring_pages/pdf/aab_eye_anatomy_coloring_worksheet.pdf, 13.1.2020)
2. Dissection of a cow's/pig's eye (Source: https://www.exploratorium.edu/learning_studio/cow_eye/coweye.pdf, 13.1.2020 – Please see the additional file).
3. Research. Which long-term and which short-term consequences can exaggerated screen-usage have. Compile a list of 5 aspects and present ONE to the whole class.

Equipment, aids, tools:

- Worksheets
- Dissection scissors
- Dissection trays
- Cow's/pig's eyes

Expected results, assessment:

- Assessment of their participation during the dissection.
- Assessment of their mini-presentations.

References:

- <http://www.enchantedlearning.com/subjects/anatomy/eye/label/labeleye.shtml>, 13.1.2020
- https://askabiologist.asu.edu/sites/default/files/resources/coloring_pages/pdf/aab_eye_anatomy_coloring_worksheet.pdf, 13.1.2020
- https://www.exploratorium.edu/learning_studio/cow_eye/coweye.pdf, 13.1.2020