

Middle and high schools' teachers insights on Physics Education Curricula

EDLIRA HABILAJ

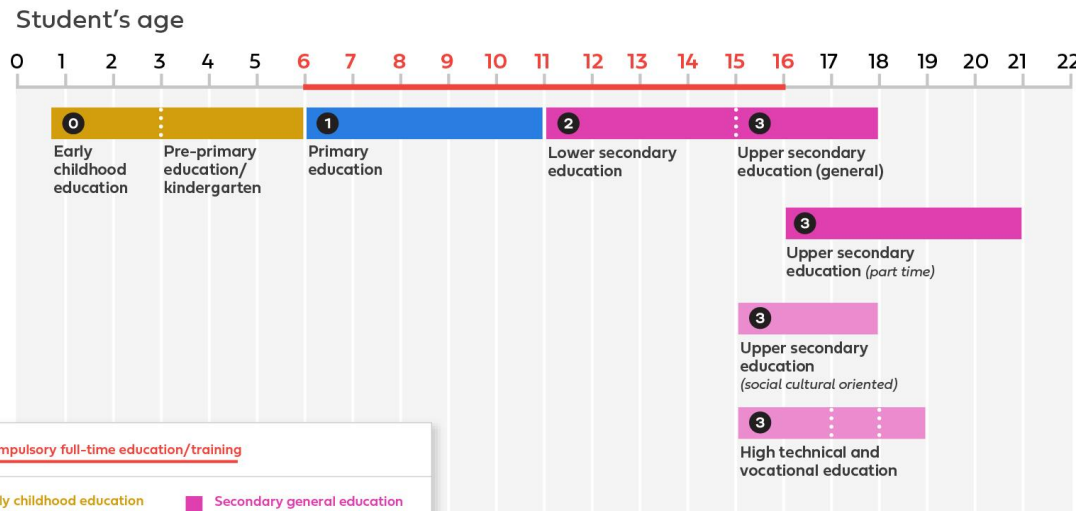
SCIENCE WEEK IN TIRANA 2024

Educational system in Albania

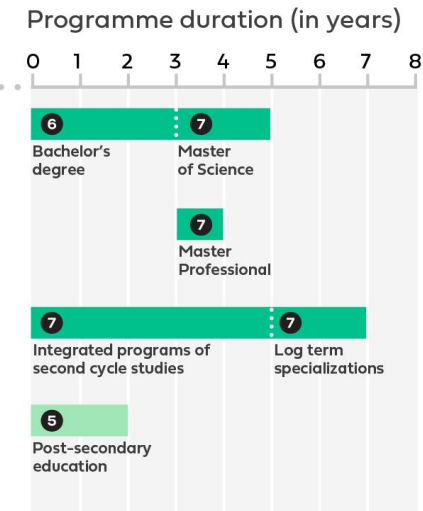
Albania



Early Childhood – Post-Secondary Education

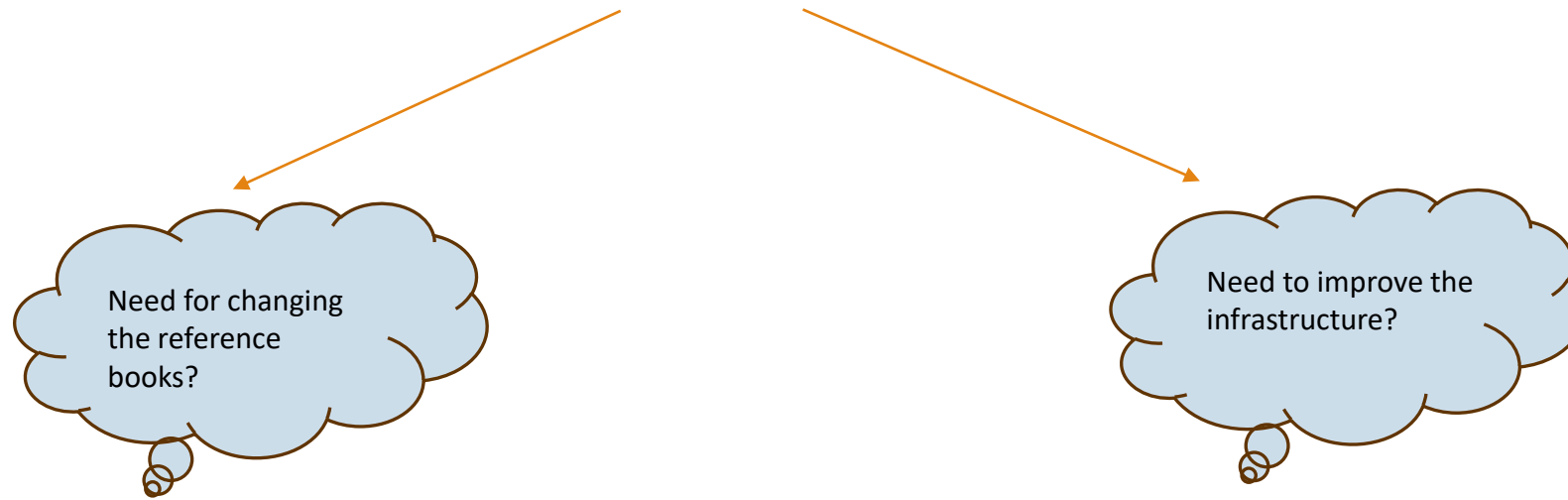


Tertiary Education



Focus of the study

- ❑ Middle and high schools physics curricula
- ❑ Use of laboratories (real and virtual) in middle and high schools



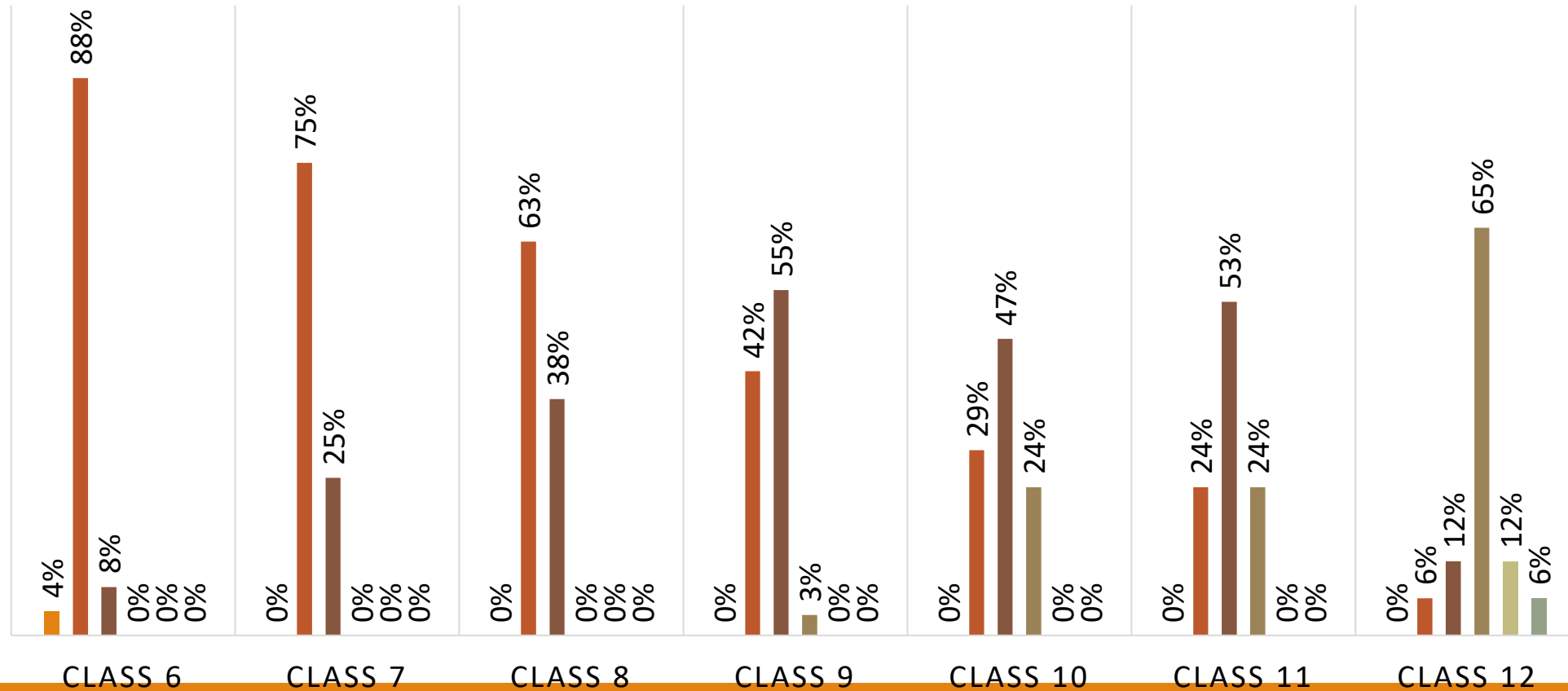
Regional Directorate of Pre-university Education Durrës

Include: Bulqizë, Dibër , Durrës, Kamëz, Kavajë, Klos, Krujë, Mat, Rrogozhinë, Shijak, Tiranë, Vorë

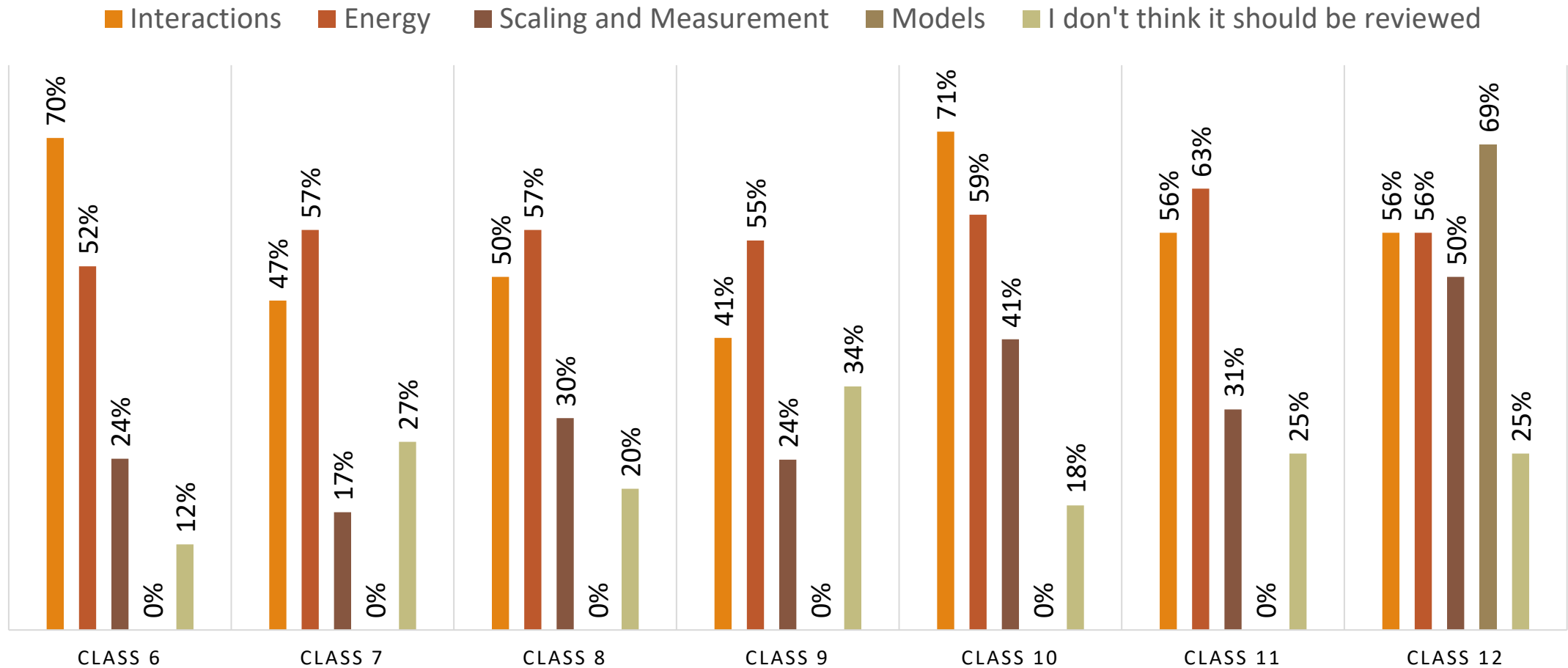
There were 41 teacher who completed the form from RDPE Durrës

Responses for the question: How many hours/week should be learned physics

1 hour/week 2 hours/week 3 hours/week 4 hours/week 5 hours/week 6 hours/week



Responses for question: What would you like to be reviewed from curricula?



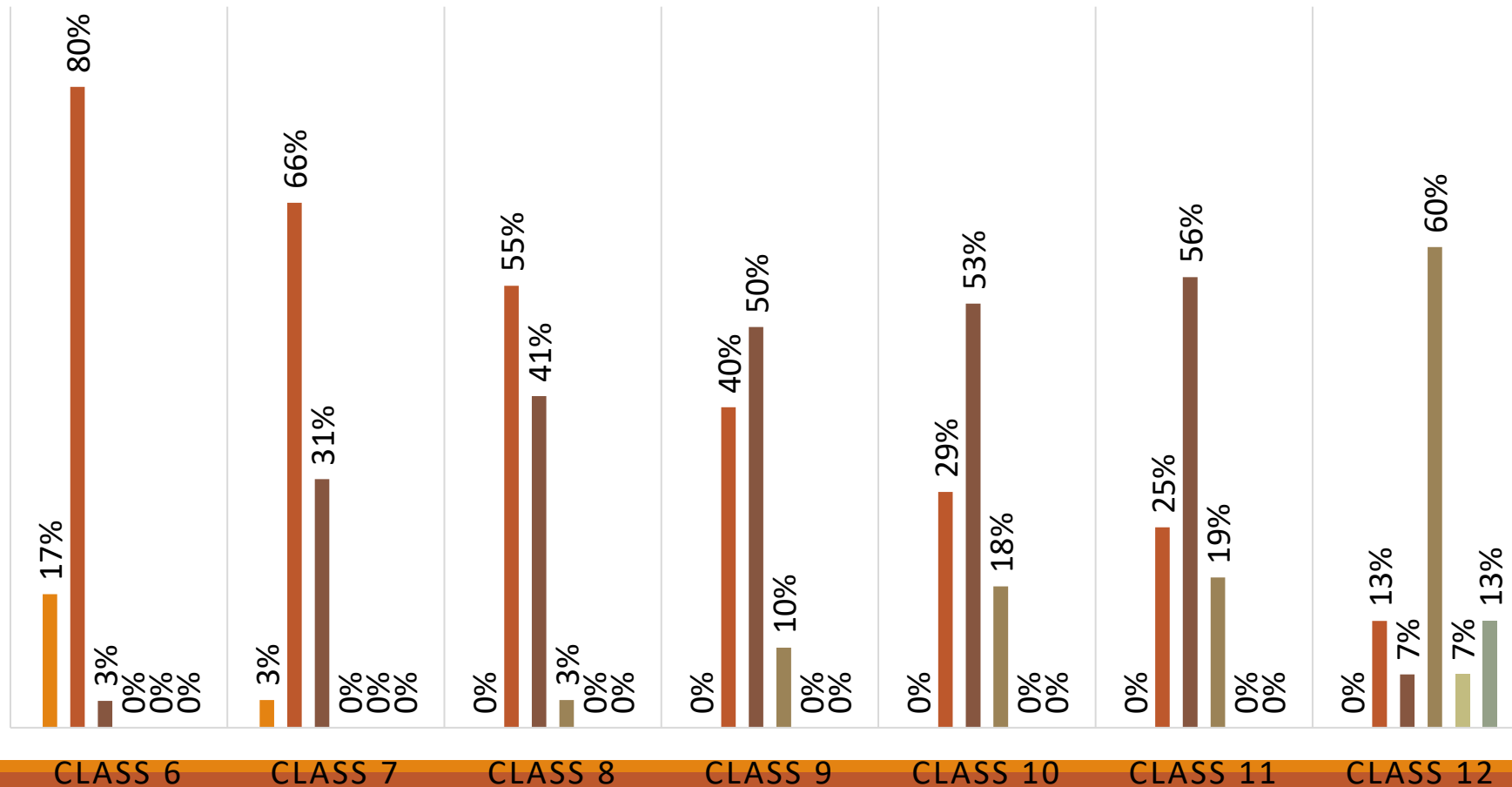
Regional Directorate of Pre-university Education Korça

Include: Ura Vajgurore, Belsh, Librazhd, Kolonjë, Poican, Pogradec, Kucovë, Peqin, Përrenjas, Devoll, Berat, Cërrik, Gramsh, Maliq, Krapar-Poican, Korcë-Pustec, Elbasan.

There were 32 teacher who completed the form from RDPE Korça.

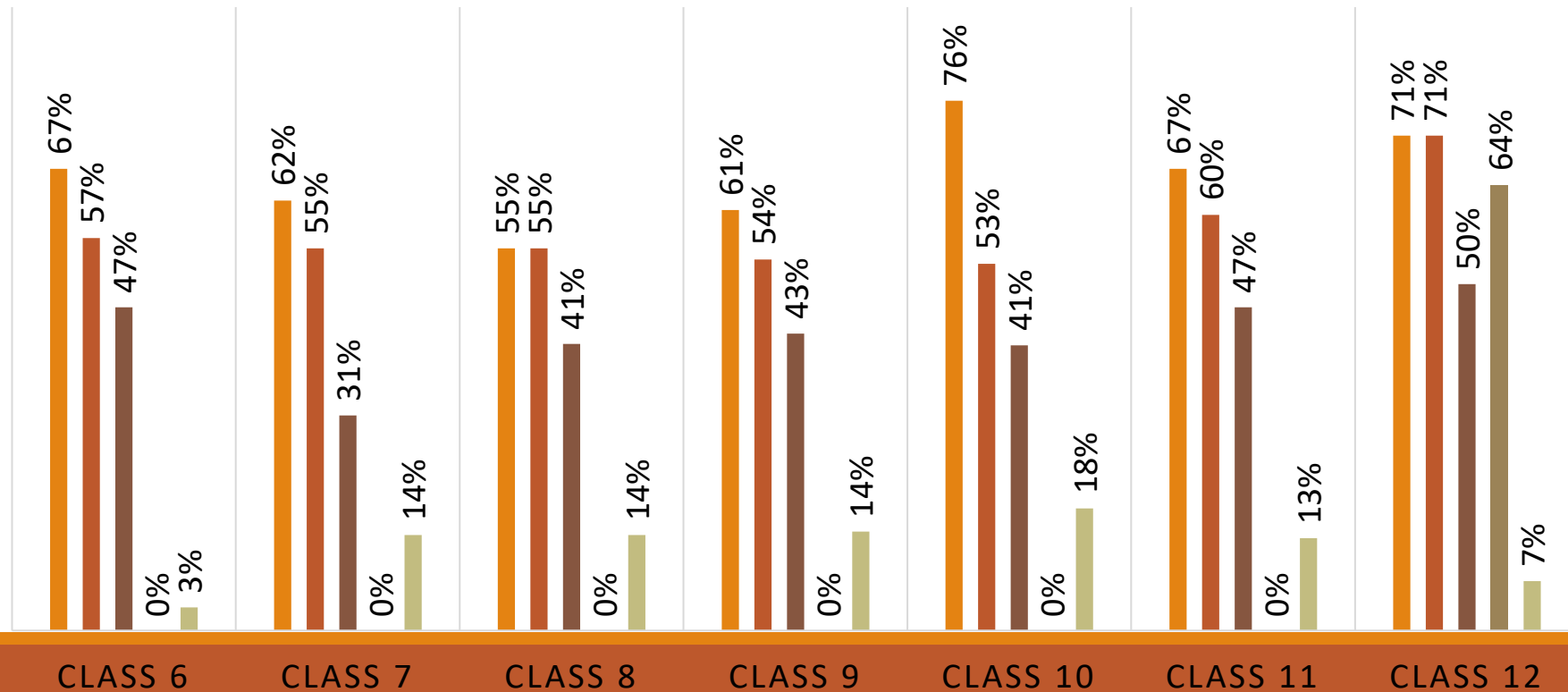
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Responses for question: What would you like to be reviewed from curricula?

- Interactions
- Energy
- Scaling and Measurement
- Models
- I don't think it should be reviewed

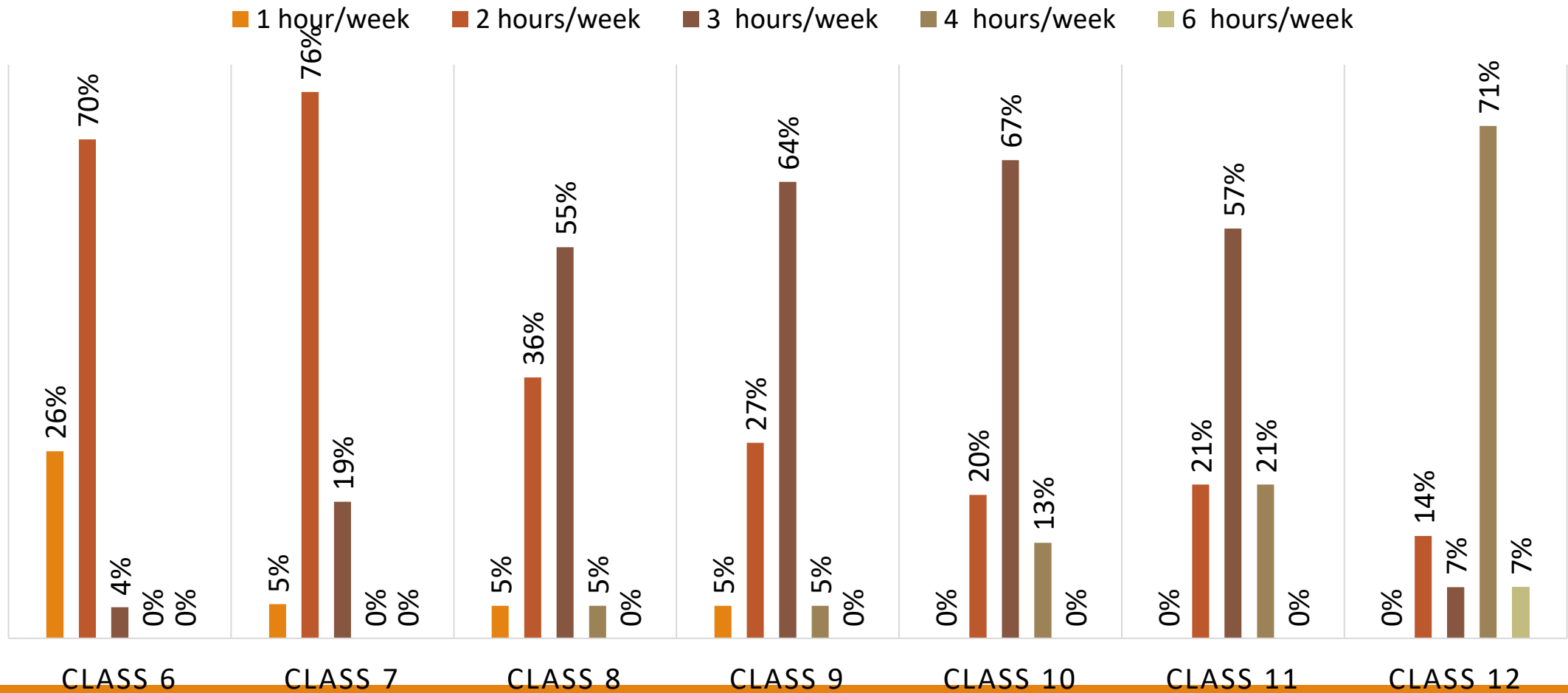


Regional Directorate of Pre-university Education Fier

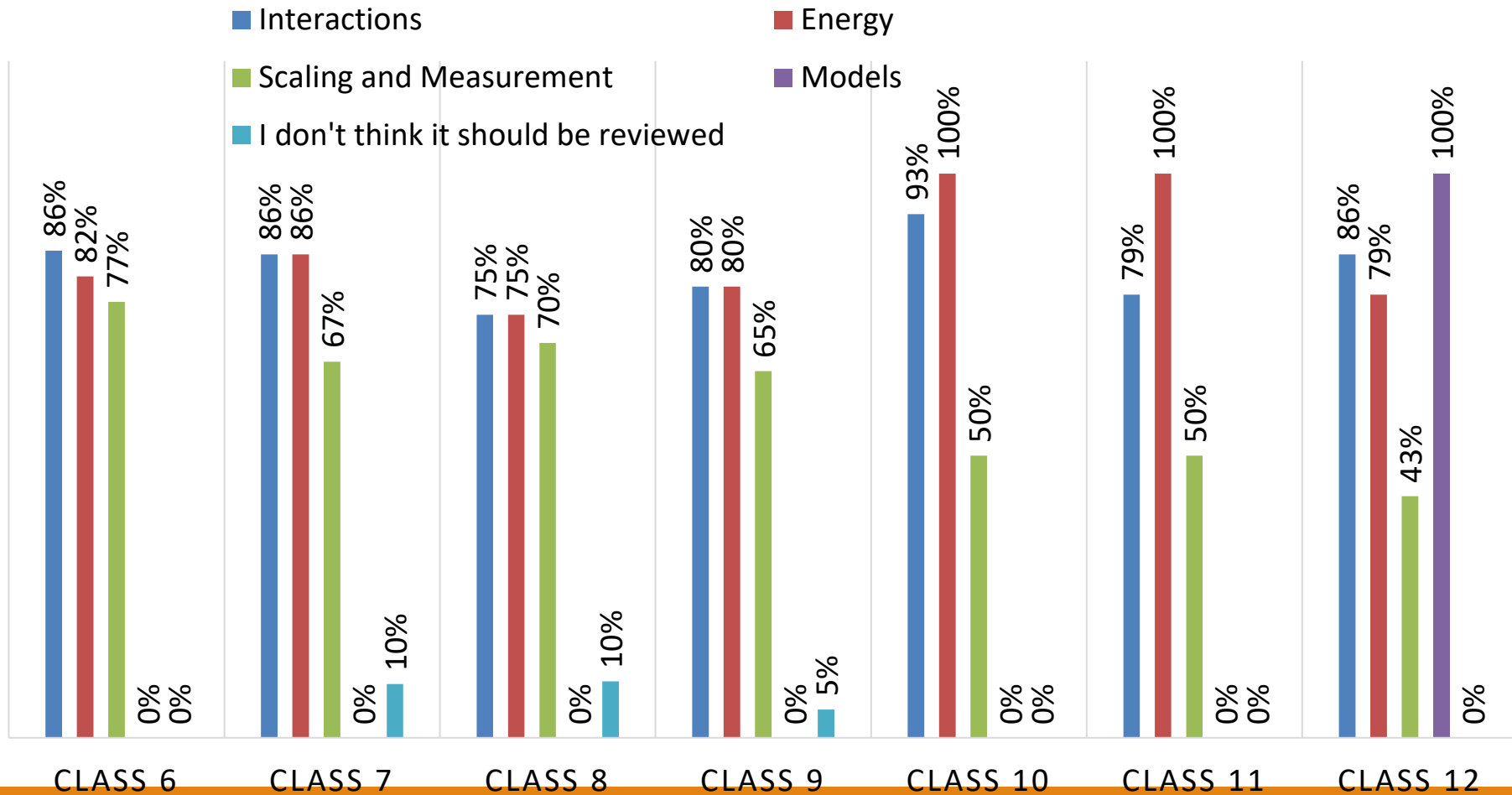
Include: Fier, Divjakë, Mallakastër, Tepelenë-Memaliaj, Lushnje, Patos, Selenicë, Gjirokastër-Libohovë, Finiq-Dropull, Vlorë-Himarë, Roskovec, Përmet-Këlcyrë, Sarandë-Delvinë-Konispol

There were 30 teacher who completed the form from RDPE Fier

Responses for the question: How many hours/week should be learned physics



Responses for question: What would you like to be reviewed from curricula?



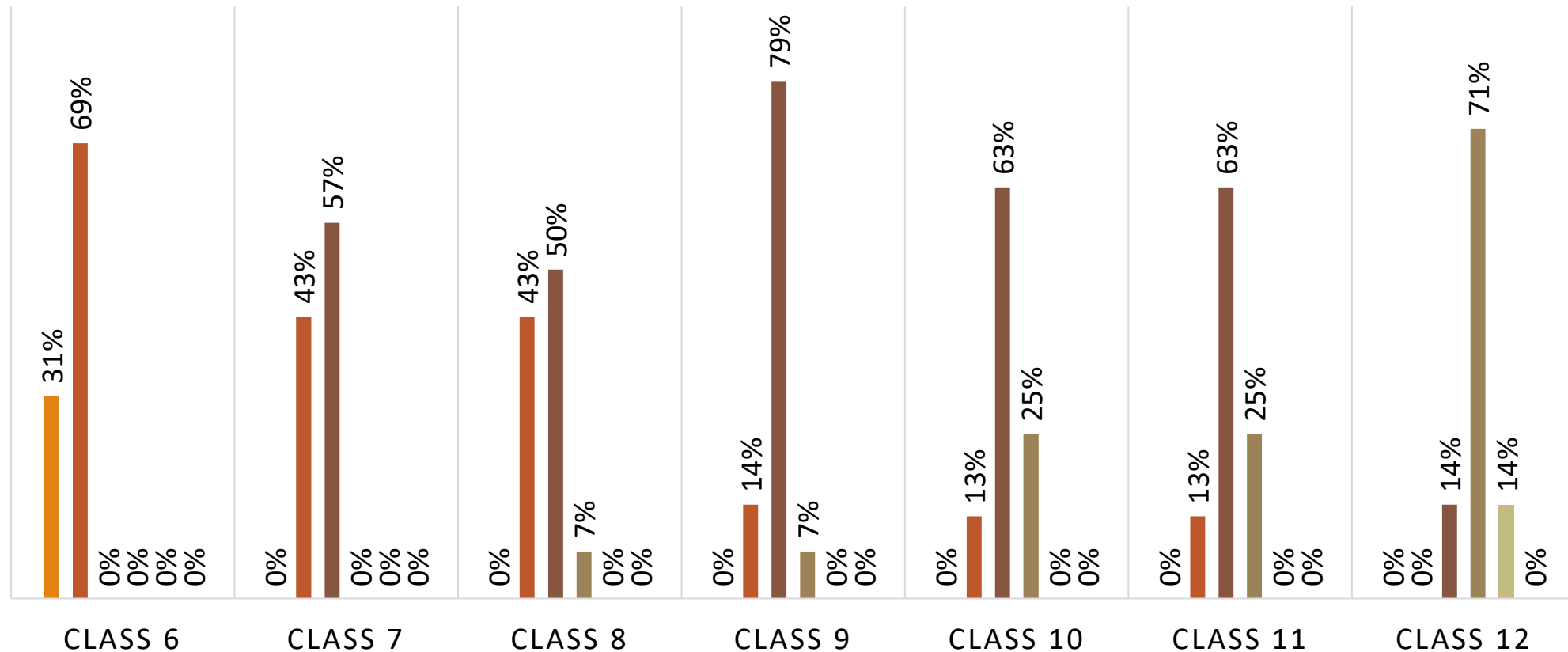
Regional Directorate of Pre-university Education Lezhë

Include: Lezhë, Kurbin, Mirditë, Shkodër, Malësi e Madhe, Pukë-Fushë Arrëz, Kukës, Has, Tropojë.

There were 17 teacher who completed the form from RDPE Lezhë

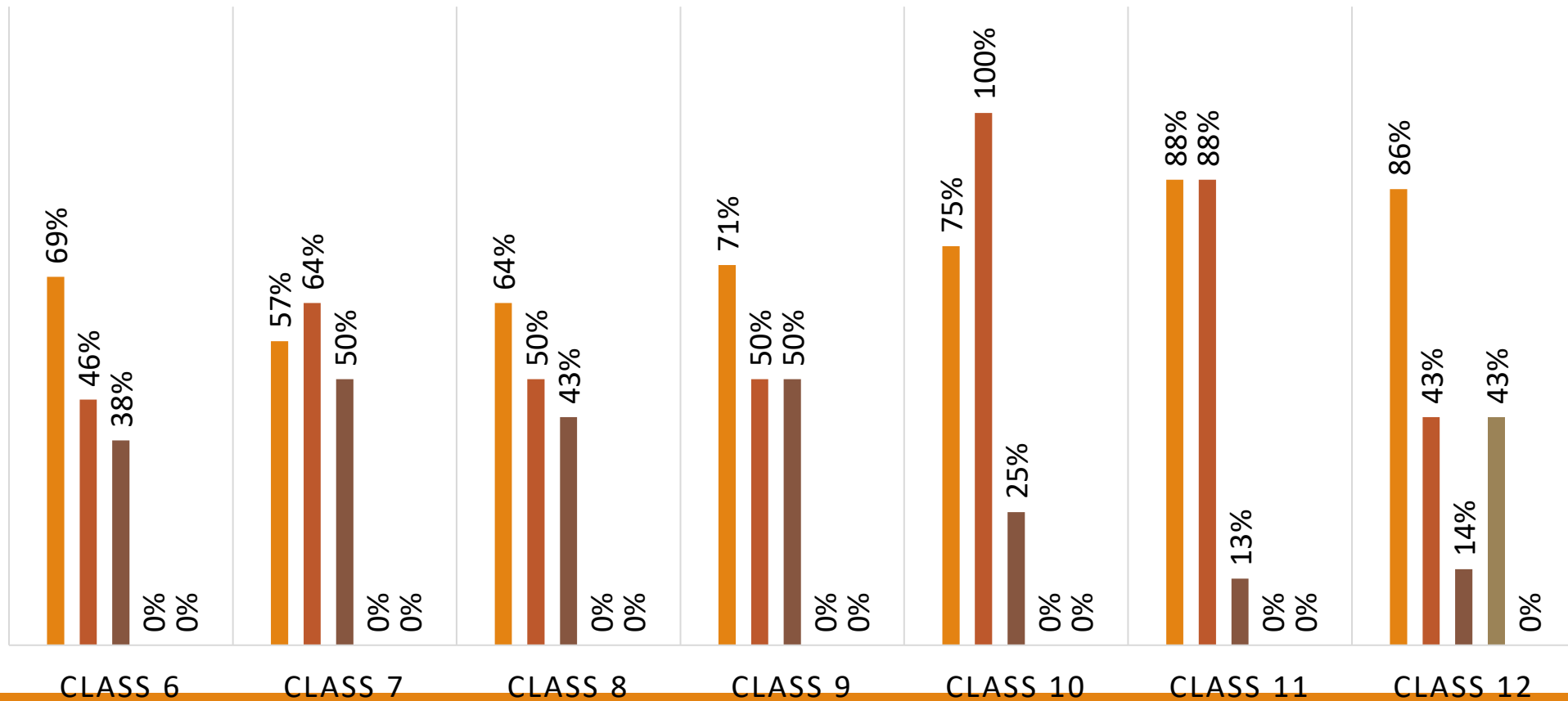
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Responses for question: What would you like to be reviewed from curricula?

■ Interactions ■ Energy ■ Scaling and Measurement ■ Models ■ I don't think it should be reviewed



Results

In general, teachers, even though they work in different cities, have the same suggestions about the questions

In the suggestion session the most common answers were:

For class 6 and 7: Should be added new topics

The information about energy should be more expanded

Should include the formulas in forces

Increase application in practice and exercises hours

For class 8: Should include the formulas and increase exercises hours

Expand three types of movements along with the formulas

Increase information about the topics of magnetism and optics

For class 9: More detailed concepts (like Ohm's law, simple machines, thermodynamics) and more formulas.

For class 10: Increase subtopics for measurements

Increase quality and quantity of knowledge (impulse and dynamics)

Increase exercises hours

For class 11: Expand knowledge about energy, electricity and magnetism.

Include oscillations and increase exercises hours

For class 12: More detailed formulas and increase information in all the topics

THANK YOU!

