

Abstracts PdN-ChiS 1/56

Central high school diploma (*Zentralabitur*) – review and preview

R.P. Kreher, H. Schmidtkunz

This basic article gives a review on the actual status of the central high school diploma in the German federal states and lists chances and risks of it.

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Central high school diploma in Bavaria – tradition and further development

J. Meyer, E. Zimmerer

Dealing with “old” and “new” high school diploma tasks, the development of the Bavarian central high school diploma towards a greater orientation towards competences, also in the classroom, is shown.

PdN-ChiS 1/56, p.8

Change in focus of the central high school diploma in Baden Württemberg

M. Kremer

The article contains a short description of the currently valid regulations of the assignment of tasks, of the written exam and the marking procedure. This is followed by two excerpts from tasks on the context “milk”, taken from written exams. These excerpts are introduced to show the change in focus reached by an amendment of the curriculum.

PdN-ChiS 1/56, p.11

Central high school diploma in Saxony

B. Gerber

The central high school diploma has its roots in a grown and well-established examination tradition. A specialty of the Saxon diploma in chemistry is the practical lab work within the framework of the examination and the use of programmable calculators which also produce graphics.

PdN-ChiS 1/56, p.14

Guideline on the central high school diploma in Lower Saxony

D. Espel

The article describes the guideline on the organisation and realisation of the first year of the central high school diploma in Lower Saxony for the subject chemistry. An example of tasks is also included to visualise the new culture of exercises.

PdN-ChiS 1/56, p.19

Central high school diploma in Bremen – an exemplary exercise on *Contergan*

R. Marks, B. Eilers-Born, A. Bonnet, G. Drunkemühle, S. Wiederschein, H. Zimmermann, I. Eilks

Contergan is a topic which has been intensively discussed ever since the 1950s. In the article it is described, how an exemplary task on the topic *Contergan* has been developed in the framework of the introduction of the central high school diploma in Bremen. The task especially focussed on the testing of evaluation competence.

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Pupils' experiments in the central high school diploma?

H. Giar

Examination tasks for the high school diploma should always include a practical part with a pupils' experiment. Three suitable tasks are proposed in this article.

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Preparatory training strategies for the central high school diploma in chemistry

H. Wambach

In the article the format for context-based tasks according to EPA Chemistry and experience is introduced in detail. Using examples from the *Aulis-series Materialien-Handbuch Kursunterricht Chemie* it is explained how you can back up contents and train application competence in various contexts as a preparation of pupils for the central high school diploma. This is followed by advice on practising intelligently and criteria on reflecting contents and methods of an effective training.

PdN-ChiS 1/56, p.32

Two-stage central high school diploma in Hungary

M. Riedel

Besides a description of the high school diploma modalities at medium and advanced levels in chemistry, the article contains some interesting tasks and ideas for exercises.

PdN-ChiS 1/56, p.38

Final examination at Austrian grammar schools

R. Becker

In Austria term papers contribute to the final examinations in the subject chemistry. Besides that there are core topics for the different kinds of final examinations.

PdN-ChiS 1/56, p.42

A new Culture of Exercises

Exercise: Solubility

W. Fischer, W. Zeilhofer

The exercise deals with the natural phenomenon "greenhouse gases" and with chemistry from everyday life in the context of the preparation of solutions. A reference to simple stoichiometric calculations is made.

PdN-ChiS 1/56, p. 45

Concept Maps for the classroom and for written examinations

M.W. Tausch

In the article different kinds of concept maps are proposed for the classroom, as homework or as tasks in written exams. Dealing with them can enhance competences in terms of scientific literacy.

PdN-ChiS 1/56, p.46

Chemistry of the mouth – prophylaxis of caries by enzyme inhibition

K. Höhner, J. Schnieder

The article contains background information on the title and a selection of experiments with salivary amylase.

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