



MOLECULAR PHYSICS TEACHING METHODOLOGY FOR FUTURE PHYSICS TEACHERS

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Abstract

In the article future physics teachers for molecular physics teaching methods seeing will be released . Students by lecture materials maximum level to master reach only supporting material is available when possible , that is tools , devices , models , tables , graphs and slides demonstration to do need _ Short the experiment demonstration to do can _ Technician in universities common physics course learning hours of shortening modern problem physics course one or two semester inside enough high level appropriation almost impossible to the task rotation take will come . That's why for of physics common program change and him teaching methodology separately the approach formation about to think need _

Key words :

physics, methods, task, solution, program, exercises, future teachers.

Har how scientific discovery, how much random not visible, the development of science common direction and scientific research works with in advance is determined. That's why for discoveries and inventions most of the time one how many researchers, inventors or creative groups by independent respectively done is increased.

Research method essence teacher by new problems and problematic situations solution to do for of students searching, creative activities organize from doing consists of This of the method purpose students by creative activity experience complete is mastery.

Research method using knowledge creative appropriation organize is done, that is, this method to students problematic situations solution to do and such solution as a result new knowledge search for themselves knew knowledge to apply teaches.





Students nature events explanation ability they are studied in the material good orientation shows. That's why for students the material better appropriations for in classes research teaching method use need _

The above describe for we study research method used without lesson work we went out in it to students one series inventiveness tasks in nature occurring experimental the facts and the facts explanation for assignments offer will be done.

Molecular physics in the chair demonstrative experiment separately role It plays _ visualization tool of students _ knowledge activity increases , therefore for research teaching method when using demonstration experience students by past and new materials in mastering important role plays.

So so, molecular physics of teaching research method use teaching efficiency increase in students to the topic more interest wake up and finally not only students, perhaps of teachers creative activities diversification to do need said to the conclusion to arrive can.

Molecular physics study subject as of students knowledge and creative abilities development for opportunities creates their _ basis physical events and physical laws about knowledge. Natural science skills to form contribution inclusive universal education tool usually are tasks . Students for physics science own in his homeland learned because of this stage it is only another technical sciences learning for basis as necessary, therefore for they are for tasks solution to do past theoretical the material repetition for necessary the minimum amount of with limited. Main attention cognitive and creative abilities to learn, physics according to received knowledge different different physicist processes and events explanation and physicist from laws practical use for apply skills to master directed. Education as a result student independent respectively new knowledge to occupy, necessary literature to find and choice is necessary information analysis to do need.

Natural science knowledge in formation each one the subject in learning, future teachers in preparation questions and from assignments is used. Practical from training one's structure seeing get out

Learned knowledge oral or in the form of a test repeat new the material learning, new knowledge elements current to achieve





Didactic study of means used without new knowledge repetition and strengthening.

Independent the work. Textbook the text or special prepared text with work.

Received knowledge repetition for oral and test form questions, briefly again stories is used [2].

Test assignments closed in the form (one how many the answer select) or open in the form to be it is possible on the ground you the phrase your finish, in the text the definition you will find need. In the auditorium new the material learning of information step by step increase with happen will be Subject theory to the blocks is divided , their each in one texts, formulas and to them explanations there is. Students new from the material main thing separate showing, understanding, of the topic separately parts between logic they understand between dependence to see need. Then teacher studied the material repeats and discussion does, text with works.

Theoretical the material successful appropriation for two from the stage consists of has been class and from class except independent things scientific based on without perform need. First stage in class topic according to seeing developed theoretical materials is studied. Second stage being studied topic with depends was, but program from within out coming out and possible if, the future to specialization directed materials offer will be done. Of this for learning for the following text topics offer will be:

Real in the circumstances of bodies free fall and fall.

Body weight what? Body weight how measure can.

Mechanic energy and friction power.

The voice reflection carry on what pochemuproishxodit and what for reflection carry on appear will be Voice height and acoustic resonance what?

Longitudinally and transversely waves . Wave and energy.

Heat of events role.

Electric charge and bodies electrification .

Independent things encourage for laws and of the rules physical the meaning to strengthen help giving and interest wake up one how many good quality tasks seeing exit is useful . Below such to questions examples cited [3]:





Car speed gauge variable of action speed how ?
Car how external strength with movement does ?
What for car of the road difficult in the part when moving, tires pressure decrease do you need
Braking during moving of the car kinetic energy why to be spent explain.
In the car how flow sources is used and their between difference what ?
That's it to emphasize should be like this the work of course control will be done, of students physics course different in topics study in the process received knowledge attraction to do ability is evaluated .
Future of teachers main skills one this necessary literature is to search.

So so, high in education molecular physics of teachers experience that's it shows that the future teachers teaching methodology bachelors for technical from the direction difference because it does they are already in science main preparation have _ This is in the future own specialty according to teaching and in teaching successful use for the subject more serious learning for chance and time will give.

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