



# UČENCI S POSEBNIMI POTREBAMI, ANIMACIJE IN MATEMATIKA V 6., 7. IN 9. RAZREDU

## STUDENTS WITH SPECIAL NEEDS, ANIMATIONS AND MATHEMATICS IN 6TH, 7TH, 9TH GRADE

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### **Povzetek**

Učencem z učnimi težavami, ki so vključeni v pouk redne osnovne šole, šola prilagodi metode in oblike dela ter jim omogoči vključitev v dopolnilni pouk in druge oblike individualne in skupinske pomoči. Največkrat so to učenci s problemi v vedenju, z učnimi težavami in nadarjeni učenci. Za slednje so s strani šole organizirane sobotne šole, tabori, tekmovanja, dodatni pouk, raziskovalni tabori ...

Učenci s posebnimi potrebami snovi ne razumejo, imajo probleme pri pisanju in branju, njihovo pomnjenje je kratkotrajno, nimajo in ne zmorejo dela doma. Večina teh učencev je v prvi zahtevnostni ravni, kjer so tudi nemirni in večkrat tudi glasni učenci.

Enostavnega recepta za pomoč tem učencem ni. Poskušam jim pomagati na različne načine. V programu Macromedia Flash 8 sem pripravila nekaj animacij. Animacije so kratke (nekaj minut), namenjene pa so obravnavi nove učne snovi ali ponovitvi. Pričnejo se s konkretnimi predmeti, postopoma pa se predmeti zamenjajo s števili in spremenljivkami. V dodatno pomoč so nam lahko programi in animacije na spletu, programi za interaktivno tablo ter e-učilnice. Animacije zajemajo učno snov matematike v 6., 7. in 9. razredu. Predvajamo jih v programu Adobe Flash Playerju, uvozimo pa jih lahko tudi v programe za interaktivno tablo.

### **Abstract**

For students with special needs that are included in regular primary school education, schools adapt methods and type of work and enable their inclusion into supplementary teaching and other forms of individual and group help.



Mostly these are students with problems in behaviour and learning, as well as gifted students. For gifted students schools organize Saturday schools, camps, competitions, additional learning, research camps etc.

Students with special needs do not understand subject, have problems with writing and reading, their remembrance is short-term, they do not have and are even not able to work at home. Most of these students are in first pretentiousness level, where they are restless and more often very loud students as well.

There is no simple recipe for helping these students.

I try to help them in various ways. I prepared some animations with Macromedia Flash 8 program. Animations are short (a few minutes) and are intended for a discussion of new subject or repetition. They begin with concrete objects, which are gradually replaced by numbers and variables. Programs and animation on the Internet, programs for interactive whiteboards and e-classrooms can also be of additional help.

Animations contain the subjects of 6th, 7th and 9th grade mathematics. They are presented in Adobe Flash Player, and we can also import them into programs for interactive whiteboards.