

# *Ambito C - Percorsi didattici di Fisica Classica e di Fisica Moderna.*

## **Exploring Physics and History Together: History of Physics in Teacher Training Classes**

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### **Abstract**

Teacher training programs developed within the SSIS (Scuole di Specializzazione per l'Insegnamento Secondario) and later within the TFA (Tirocinio Formativo Attivo) have been a unique opportunity to finally implement initial teacher training (ITT) and they might have been a useful starting point for developing training programs - permanently integrated in the universities - aimed at in-service teachers and. Having gained some experience as a teacher trainer within this framework of activities, in this contribution I make some proposals and I develop a few reflections on how to use, for educational purposes, a selection of texts from the works of some leading figures of the Scientific Revolution. In fact, analysing original contributions, discussing scientific debates can offer a more attractive view of physics. As well as underlining the most stimulating philosophical themes and most innovative physical concepts might have a significant didactic impact both in teacher training courses and in high school classes. Obviously, the goals of the physics teacher and the history of physics teacher are not the same, however the positive experience enjoyed by the trainee teachers (and by myself) can indicate the value and the advantage of exploring physics and history together.

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URL: <https://hsonline.org/resources/publications/newsletter/july-2015-newsletter/teaching-physics-through-history-and-history-through-physics/> <access date: 01 February 2021>