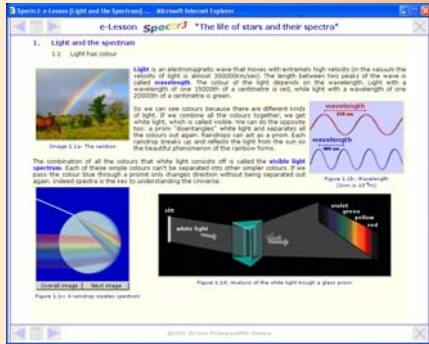# The Life of Stars and their Spectra
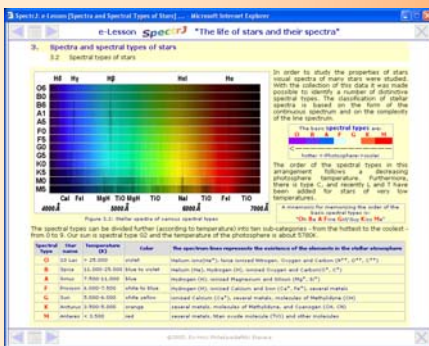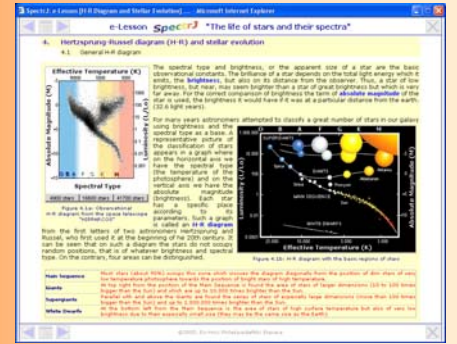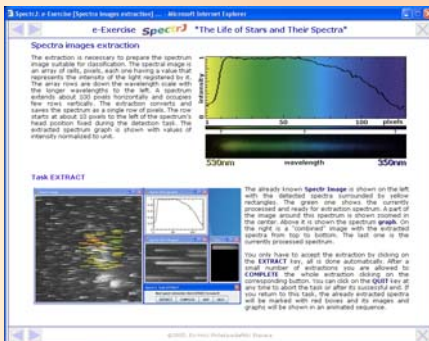
**spectrJ**

It is an electronic pedagogical tool for secondary schools that aims to provide a ready-to-use resource, inspired by real observations and research activities applying modern processing techniques. This tool presents to you an e-Lesson and a corresponding e-Exercise focused on the stellar spectra and their importance in astrophysics.

Travelling through the pages of the lesson you will get basic information on light and its spectra, on the stellar spectra and their classification into spectral types, and how they provide us with knowledge about the stars and their life. This lesson will be the theoretical base to understand the exercise.

On the other hand, by doing the exercise you will follow, in a simplified manner, the steps taken in a real research project. You will find the age of stellar systems in the neighbouring galaxy SMC by classifying and analysing the spectra of their stars.

SpectrJ is the contribution of the Greek partner GR-HoU: PHILEKPAIDEFTIKI ETAIRIA

(One of the oldest educational establishments in Greece, since 1836)

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