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## **LEARNING AND EXERCISING IN AN E-CLASS**

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In this workshop participants can experience the web-support that has been implemented in the e-class discrete dynamical systems, in other e-classes, and for a Dutch mathematics textbook series. Highlights of this support are

- video clips (screencasts) with instructions for learning to work with accompanying software such as the modelling tool of Coach and the Java exercise applets;
- video clips that help students in their learning of mathematics by provision of worked out examples of sample exercises;
- Java applets to learn and practice algebraic skills;
- GeoGebra applets;
- on-line assignments in which students use the graphical modelling tool of Coach 6 to study discrete dynamical systems;
- communication channels at teacher-student level and at student-student level.

Participants can have a close look at instructional materials that are used in regular Dutch curriculum at secondary school mathematics level. In addition, the participants can explore the authoring facilities used by textbook authors and mathematics teachers to create new Java applets without the need for specialized programming knowledge.