



## The Climate Mystery

### Curriculum Content & Pedagogical Methods

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## Curriculum Content and Methodology in The Climate Mystery

*The Climate Mystery* is an excellent opportunity for teachers to activate students in debating and learning about tomorrow's climate changes and their impact on coming generations. The curriculum is based on detailed dialogues with teachers from 15 countries and provides highly relevant climate topics and multiple learning methods.

There is no charge connected with using any part of *The Climate Mystery* or the teaching materials!

### The inspiration for the Curriculum Content

"It was very important to us that *The Climate Mystery*'s curriculum is as close to reality as possible." Congin's Director Christian Fønnesbech explains. "The project aims to motivate young people to get involved - both inside and outside the classroom - in order to understand both the challenges and the solutions."

*The Climate Mystery* presents users with 16 weekly climate topics. The subjects are chosen on the basis of [UN's Intergovernmental Panel on Climate Change](#) - the leading forum publishing scientific climate reports on the most significant climate issues facing the earth. "Some parts of the world are more affected by these climate changes than others. We want to ensure that the students understand that this is a global issue and that it affects everyone on the planet." Science Consultant Soeren Adolph says: "We have prioritized that the climate issues in the curriculum take place in different parts of the planet. In that way, all students around the world can relate to it."

To see the full curriculum mapping for the 16 climate subjects, click [here](#)

### The Pedagogical Method

A pilot project of *The Climate Mystery* ran in Denmark in 2008. During this dry run, teaching materials and guides were evaluated and adjusted in close cooperation with *Microsoft's Academic Program*, the organization *Danish Science Communication* and *The Danish Meteorological Institute* - as well as teachers and students within the Danish school system. In this forum, a body of 28 learning objectives was formulated, to ensure a holistic learning universe where the students are motivated towards gaining basic insights in climate issues and climate models.

The teaching materials are downloadable and printable. They do not require the teacher to participate in the online universe – even though the students may do so. Each teacher is free to use as few or as many of the 16 climate subjects as he or she wishes. Each week, the students' motivation and vocabulary will be boosted by the online experience, as the unique edu-gaming universe focuses on that week's subject. In the end, students who both participate online and use the downloadable teaching assignments will be motivated to collaborate and to think both creatively and critically about that week's climate issues.

*The Climate Mystery* has been developed for use at different scholastic levels and can be customized according to each teacher's individual teaching style, needs and prerequisites. The format of the materials

makes it possible to use parts of the content, but full guides, materials, tests, quizzes, suggestions and online links are included.

Furthermore, the teaching materials can be taught across disciplines and in cooperation with other class subjects – and even as an individual project.

“The pupils have to use their subject skills in order to move forward in the game and solve the mystery. In that way a high level of motivation is achieved.” says Kirsten Panton, Regional Leader, Partners in Learning.

### **How to get started**

All teaching materials and guides in English are to be found at [www.innovativeteachers.com](http://www.innovativeteachers.com) in the [Global Climate Mystery Community](#) from August 8, 2009. When you are registered, Congin will ensure that you have free access to all teaching material for the whole running period. Academic Program Managers in Microsoft are working on translating teachers' materials into the national language, but we cannot guarantee that it will be translated into all languages. The translated material will be available in the beginning of September 2009.