

STUDENTS CREATING SCIENCES RESOURCES

TITLE: Yaparak Yaşayarak Öğrenme

Teacher: Ayhan SEZDİRMEZ

School: Anamur VB.Atatürk Primary School

Level: Primary School 6th grade - 10 pupils

Subjects: Technology and Design Course - Environmental Problems (Yapım)

Time: 8 hours

Management: Whole Class, Timeup Groups

Course introduction:

- The Content of the Technology and Design Class: This class is student-centered. The students clarify their expectations and dreams about their future by writing and drawing. This class consists of three parts. Layout, Fiction and Production
- The Layout; The pupils design something via static and ready units. The design comes out by itself.
- The Fiction; The pupils think on environmental matters and give solutions for them. The solution is produced without considering today's technology. The pupils express their dreams and expectations for the future by drawing.
- The Production; The pupils suggest solutions on the problems. They invent the tools which they think before or design the tools which are already available. The thoughts of the product section; they have been expressed by the maquette, model or prototype. The pupils write a diary for all their works and write their feelings and thoughts to that diary.

- Aims:
 - The pupils are able to put forward an idea about environmental matters.
 - They are able to search their ideas.
 - The environmental matters are discussed by the groups
 - The solutions are presented.
 - The layout designs are prepared for solutions and the searches carried out.
 - The layouts and designs are presented in the groups and the other groups are expected to improve those layouts and designs.
 - The layouts of the maquette, models and prototype are prepared for the solutions
 - Maquette, model and prototype are produced.

Aid

Netbooks: offline: Office/Powerpoint/video

Online: Teamup tool, google docs, Facebook, twitter, e-mails, voice thread, voki, wikispaces, skypee, smile bos, slideshare, etc.

Other:

Preparation

- 1- The students are added to timeup group. The photographs and the characteristics are loaded.
The teacher of technology and design wants the groups to determine a problem about environmental matters.
She/he carries out a group search for the selected problem.
The solutions about the searches are produced.
The groups keep diary for the proposals of solution and share those diaries in class.
- 2- The groups share their works for preparing maquette, model and prototype.
The inventions which provide the solution for the problem are created by using the technology probably in the future.
A presentation is performed for the product, its working ways, and advantages and how it is used.
The group members discusses on the proposals of the solutions via those presentations.

The learning will be easier if the students are sensitive to the topics they are interested in. There is no exam in evaluation of Technology and Design lessons. The evaluation is carried out by the observation forms and the student's choosing the problem and solutions they've come up with. The learning comes out by itself.