



## Description of learning activity

Title of learning activity

Green wave in architecture

The Learning activity takes place in:

School

Course/subject:

Design a home for a client

Topic

Duration (hours):

Incorporate the SDG's in this design.

Look at the <https://greenwaveinvest.eu> -> SDG's and building I and II. Make a document out of it in Dutch. Deliver it to the teacher. Do the same with guest lectures about heat pumps, about no gas in houses any more and biobased homes. Have a conversation with a client about the demands of the client about the home to be designed. Design that home. Show it to the client and adjust remarks. Make a final design and present it in a clip on youtube.

Learning goals learning outcome

You learn how to design a sustainable home. How to communicate with clients. How to present it in a clip.

Content:

IDENTIFICATION

CONTENTS

Study components - 808ARCHV22 06-Green Wave  
Contents  
Hand-in assignments  
6.00a Lecture Sustainability and global goals 6.00b Construction fair report  
6.00c Lecture Fire Department and film Building with wood  
6.00d Gastles Heat Pumps  
6.00e Guest lesson Get rid of gas (with solar panels, solar boilers, win  
6.00f Biobased  
6.01 Architecture today  
6.02 Preparation for conversation 1  
6.03 Conversation "What do you want?"  
6.04 Schedule of Requirements  
6.05 Spaces and relationships  
6.06 Mass study  
6.07 Design  
6.04 to 6.07 merged into 1 document  
6.08 Completion of work  
6.09 Conversation "We think this is what you want  
6.10 Custom design  
6.11 Construction method HSB  
6.12 Structural design  
6.13 From Preliminary Design to Final Design  
6.14 Environmental permit 6.15 Mathematics  
6.15 Presentation

SDG's :

SDG's

All SDG's are involved

How are SDG's visible and implemented in learning activity?

All SDG's are

Principles

Design a home which is sustainable, which is energy neutral and takes as much as possible the SDG's into account.

Methods:

Of every issue you deliver proof in the electronic learning environment. The final presentation is by a youtube clip.

Teacher's role:

You can always ask the teacher for advice and the teacher judges if your deliverals are sufficient.

FORM

Student's role:

You create documents about the website and the guest lectures. You have client contacts, design a home and present it in a youtube clip

**Organising:**

The whole proces will take 10 weeks

**Learning environment:**

You work in our learning environment at school

**Feedback and evaluation:**

All the deliverals are judged by the teacher and he/she decides if you pass this period.