

BONI SCIENCE CENTRE

UNDERSTANDING SCIENCE AND TECHNOLOGY THROUGH EXPLORATION AND DISCOVERY



4 STEP PROJECT

STEP 1

Divide each class in 7 groups

STEP 2

Excursion
NEMO Science
Museum
Amsterdam

STEP 3

Research chosen exhibit

STEP 4

Making exhibit using rest materials and waste



TIME INVESTMENT

STEP 1

Divide each class in 7 groups

Half lesson

STEP 2

Excursion

NEMO

Science

Museum

Amsterdam

Half day

STEP 3

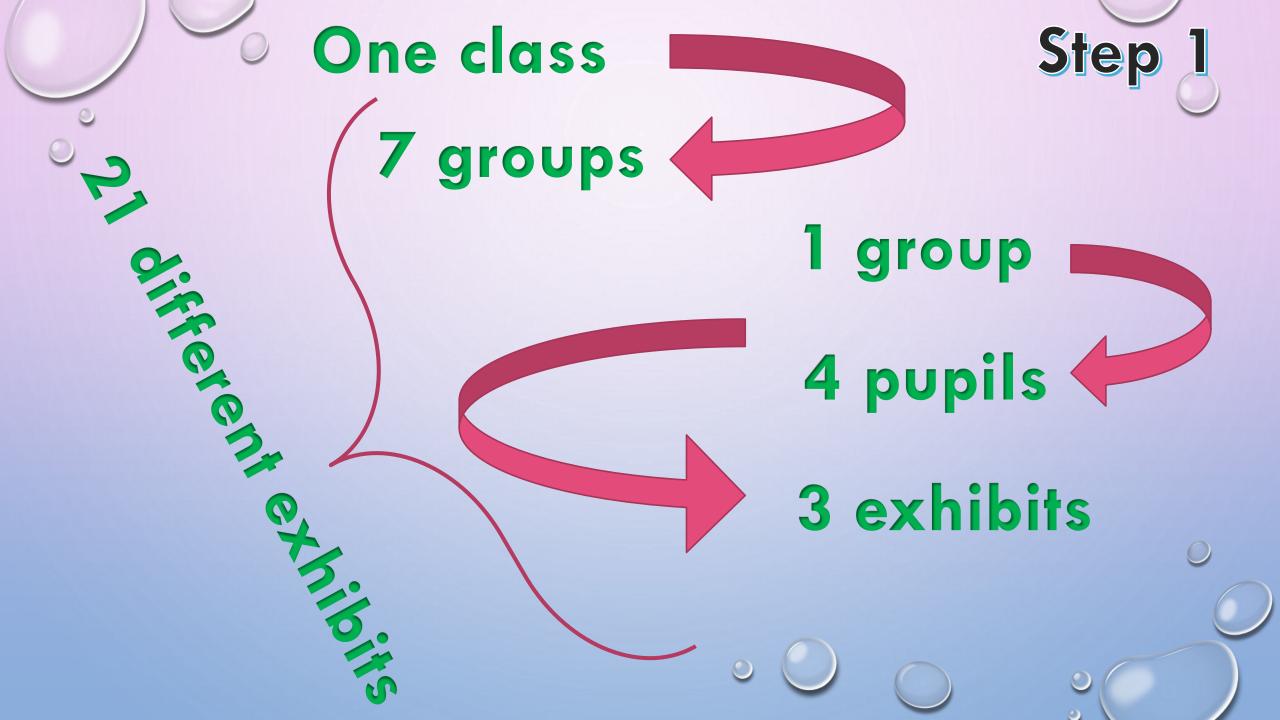
Research chosen exhibit

Half day

STEP 4

Making exhibit, poster and presentation

4 double lessons



STEP 1: DIVIDING EACH CLASS IN 7 GROUPS

•ONE CLASS 7 GROUPS

• EACH GROUP 4 STUDENTS

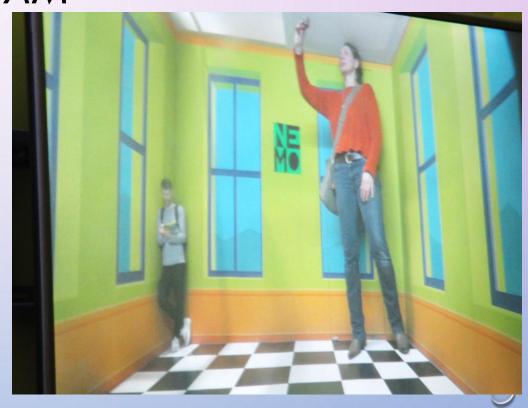
manager researcher builder set dresser

manager — Timekeeper, taskdivider, spokesperson

Responsible for construction drawing and requirements of exhibit

Set dresser — Design of exhibit, researchposter and presentation





UNDERSTANDING SCIENCE THROUGH
SEEIING, FEELING, EXPERIENCING, MAKING





Brain confused



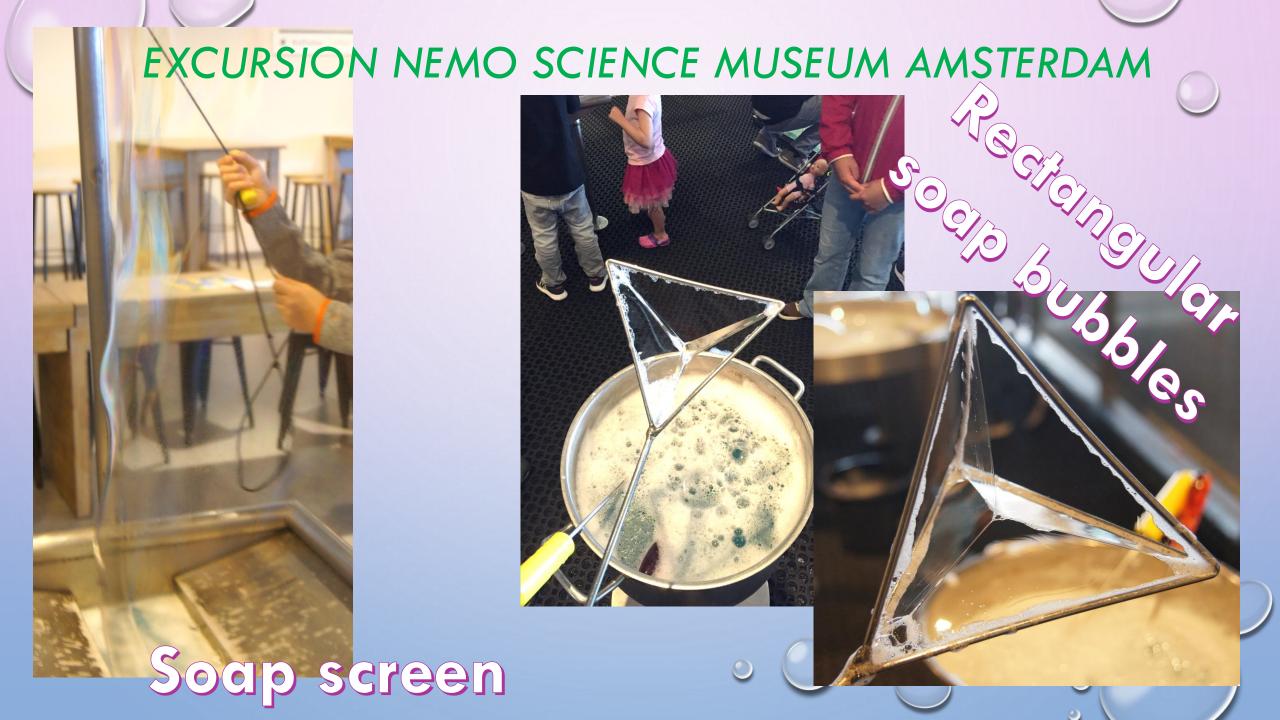


Color filters



Mirror drawing

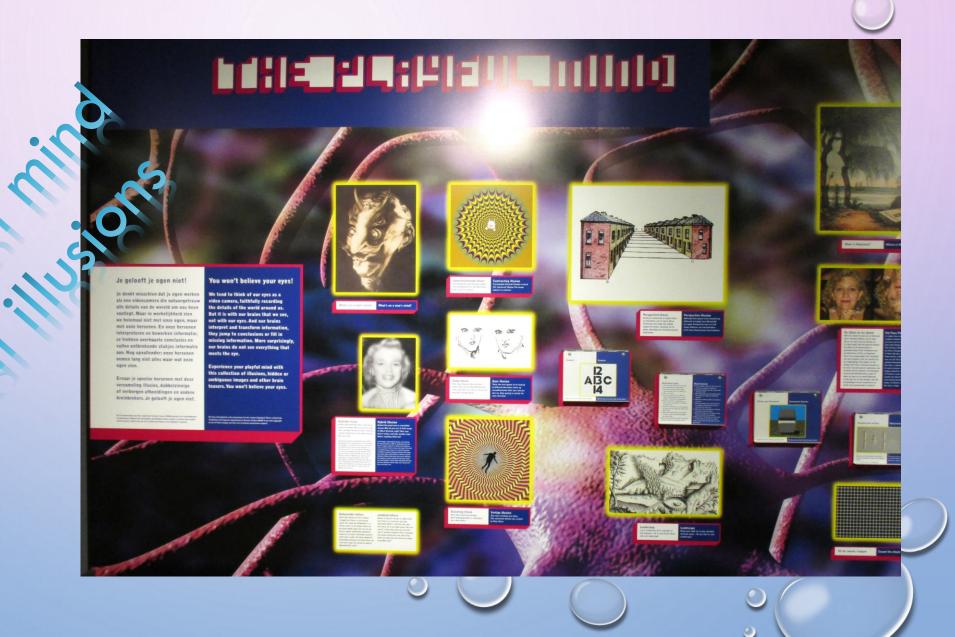








Weird wheels



Arch bridge





Listening tubes





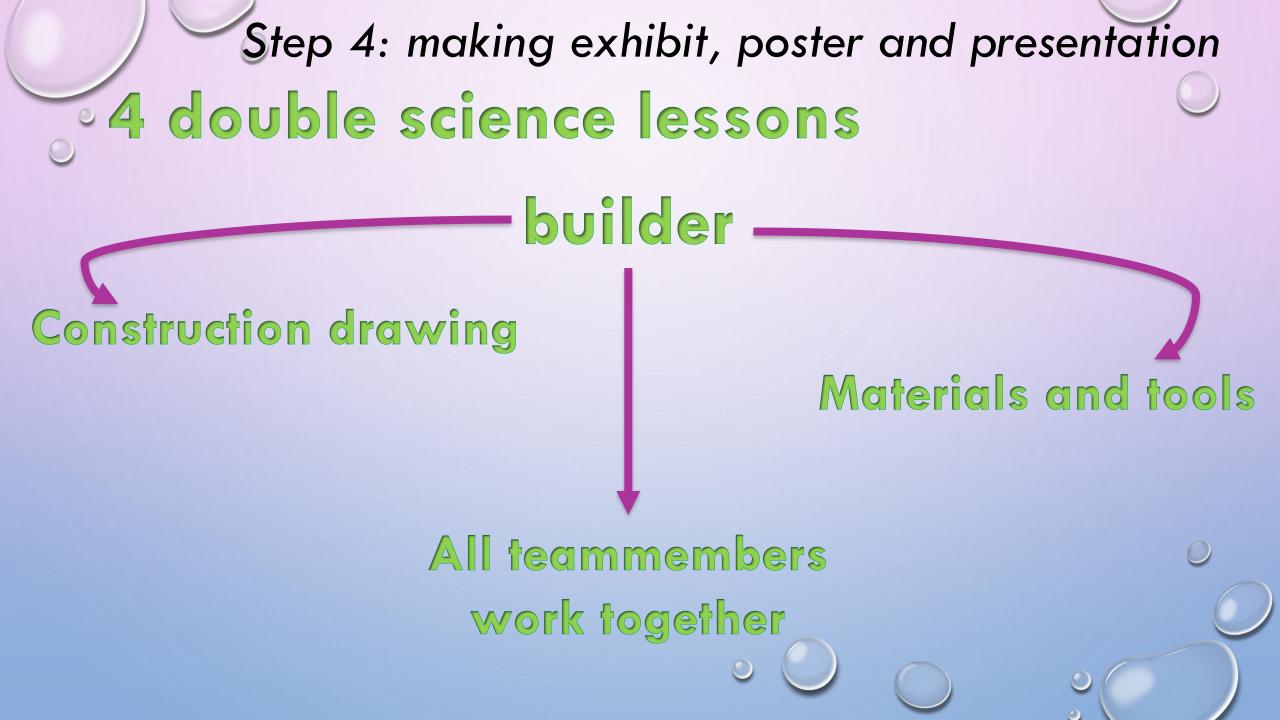
EXAMPLE RESEARCH QUESTION: Search for a recipe for soapy water

-1 CUP HOT WATER

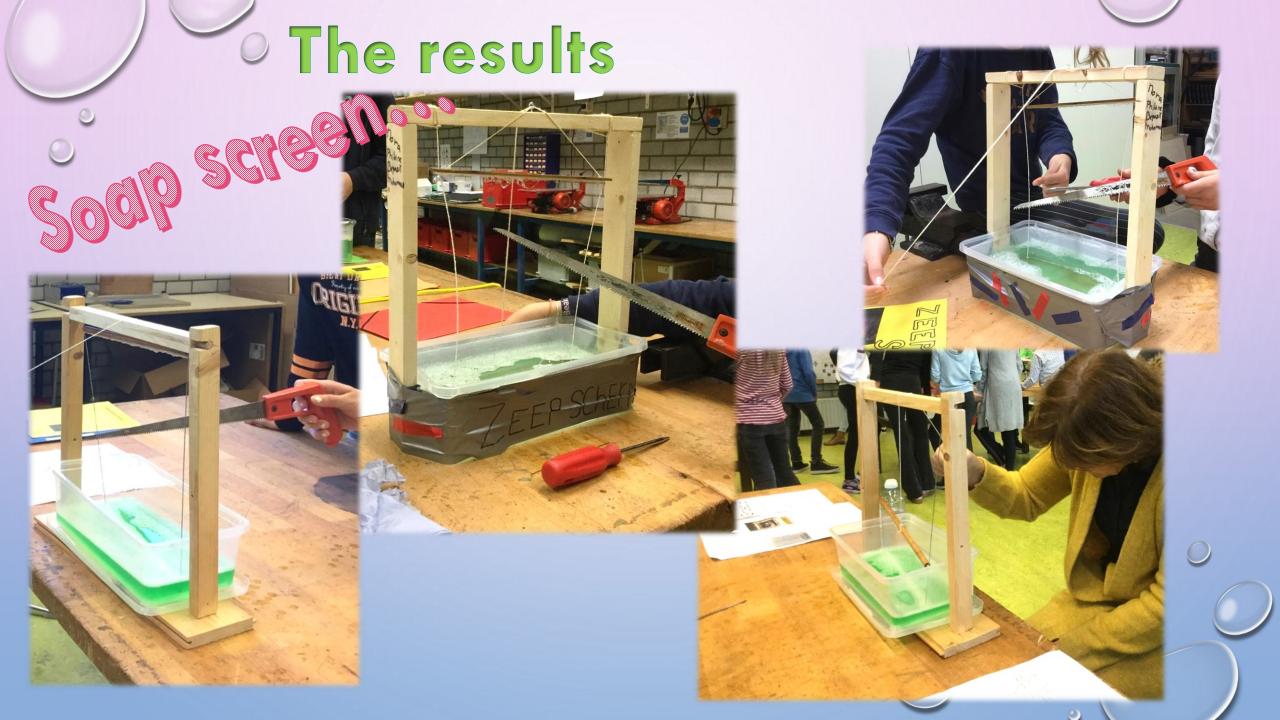
-1 TABLESPOON SUGAR

-1 TABLESPOON GLYCERIN *

-2 TABLESPOONS DISHWASHING DETERGENT







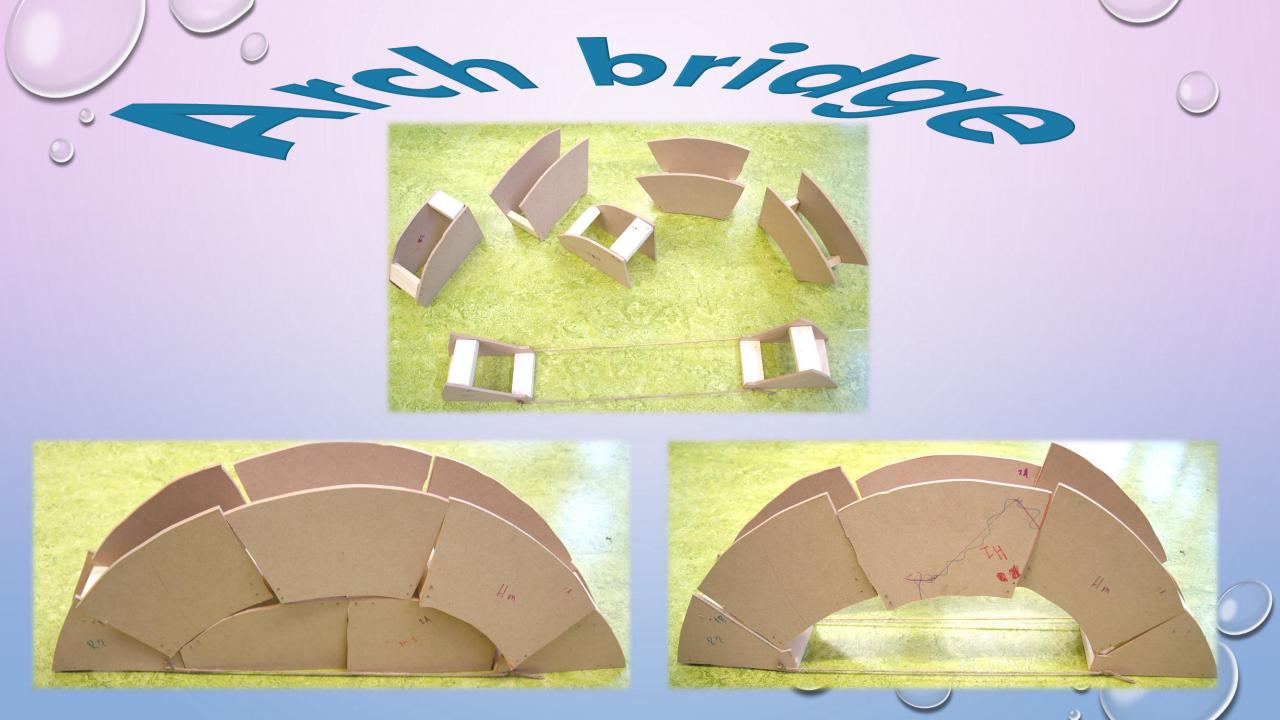




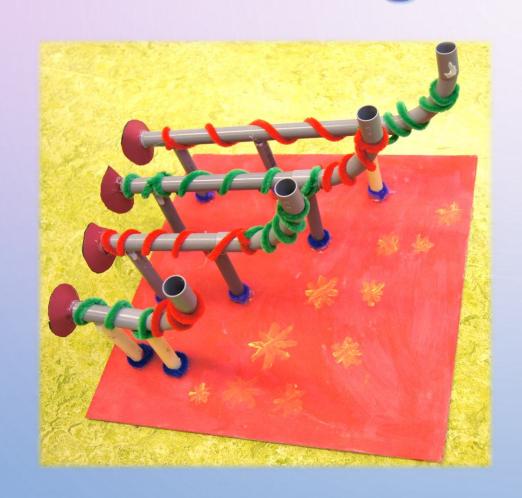
Rectangu soap bubbles



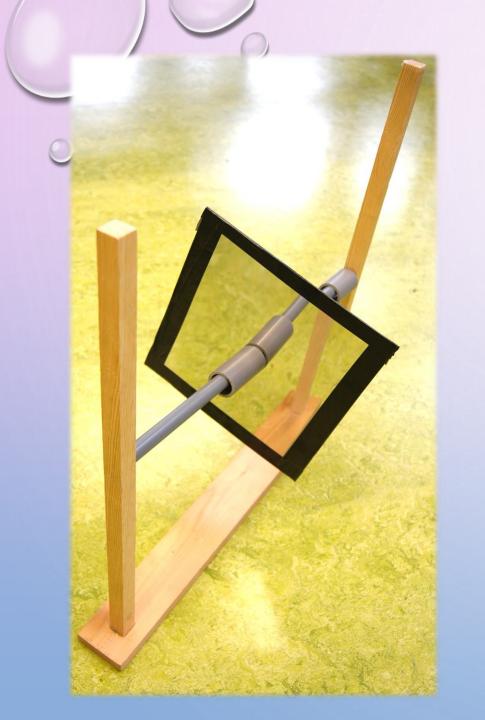




Listening tubes







Brain confused

Brain confused





COLOR FILTERS



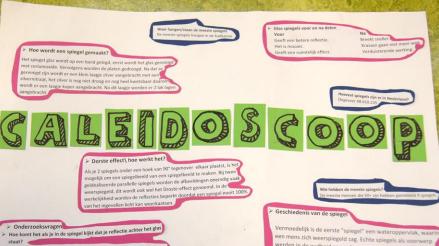






Different posters





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materiaal. Dit materiaal kan Web this the content us provided a cutod stead to all the racher it. good licht of de mun of die plet wordt er good licht of gostogen en dus oot good licht cityetanden. Its je weglospot bigtitje schaduw.

