Erasmus - project summer, 19.5. 2017

STEM-Bereich: Science - sundial

**Contents of curriculum**

Learning area: 1/2 und 3/4:

* to know the different cardinal points: north, south, west
* to know a compass
* to know the change of the shadow
* to know winter and summer time
* to built a sundial
* to recognize the right orientation of a sundial for time reading

material: compass

for each:

carton (DIN A 4) , scissors, pencil, skewer, needle, sellotape, scrape of the triangle

www.supra-lernplattform.de/.../einheit-10-wir-bauen-eine-**sonnenuhr**‬‬‬‬

‬23.4.17, 9.40 Uhr

**Station1: cutting:**

You need: 1. scissors 2. original 3. carton 4. glue

**Station 2: marking:**

You need: 1. Pencil, 2. sundial

**Station 3: finalisation**

you need: Du brauchst: 1. SellotapeT 2. Skewer, 3. triangle 4. sundial

Links:

www.geo.de/geolino/**basteln**/8123-rtkl-diy-**sonnenuhr**-zum-selberbauen‬‬‬‬‬

www.praxis-jugendarbeit.de/**basteln**-**bastel**ideen/**bastel**werkstatt...‬‬‬‬

‬www.youtube.com/watch?v=Dq0vyYp6dgU

https://www.helles-koepfchen.de/?suche=sonnenuhr

www.hoppsala.de › DIY - Selbstgemacht!

https://de.pinterest.com/explore/sonnenuhr-958720057989/

<https://astrokramkiste.de/sonnenuhr-basteln>

Löwenzahn-Video:

<https://www.youtube.com/watch?v=ovQ_Q_64PsY>

<http://www.astromedia-verlag.de/>