



## A WIDER ANGLE: CONNECTING ART AND SCIENCE

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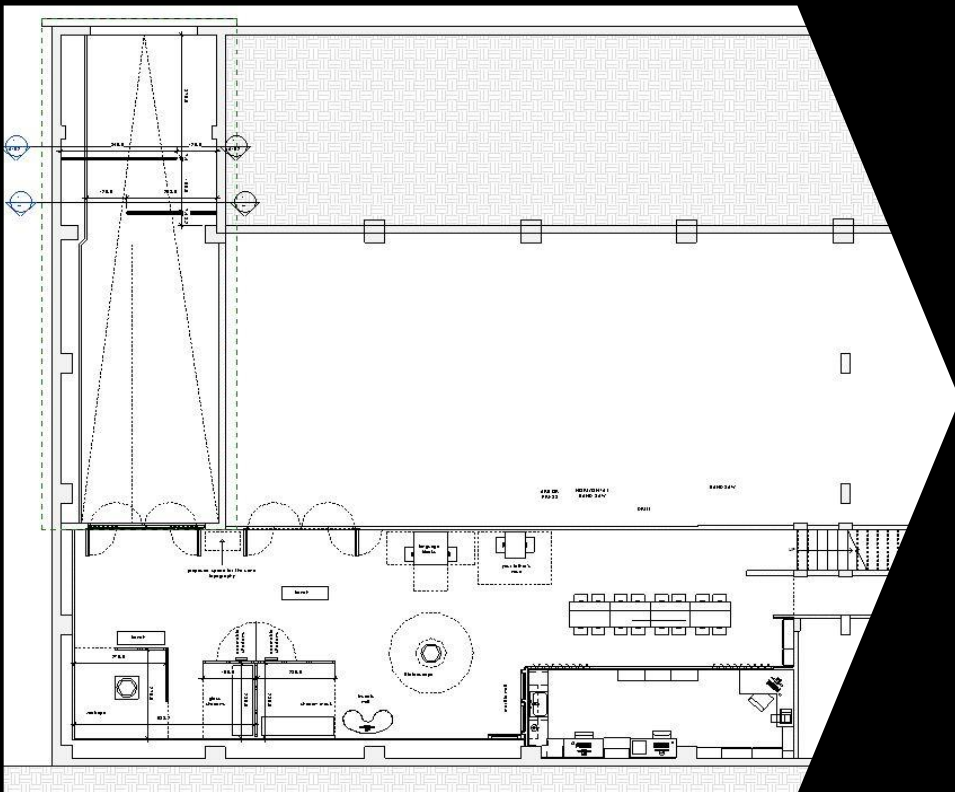


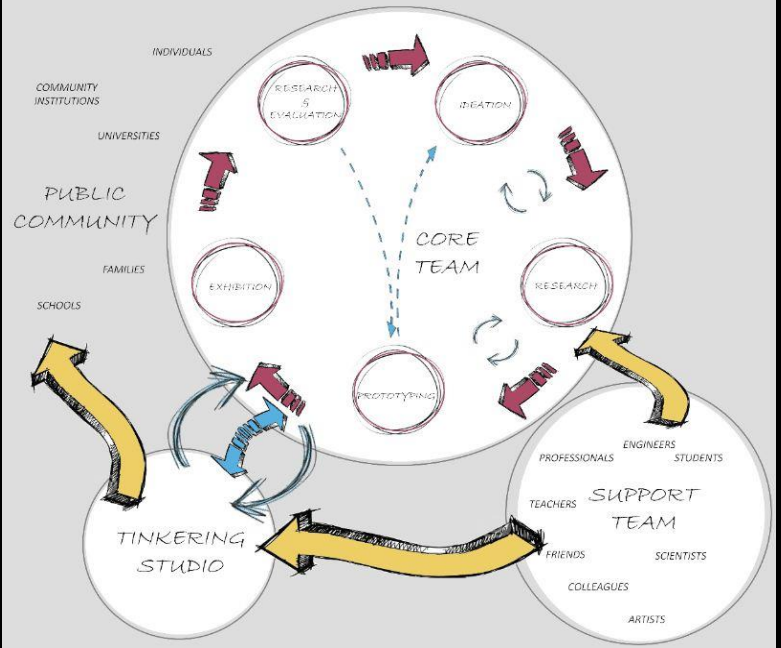
# What are we going to do in this session?

- Art in our Science Studio
- What does it add
- Through our experience
- Let's have a go....
- Reflect.
- Conclusions.



SCIENCE STUDIO  
Educational Research and Development Programme  
A. M. Qattan Foundation  
Ramallah  
Palestine





Where is art in the Science Studio?

# Another lens to explore the world

**Content development:**

- Resources for teachers
- Empowerment programme
- Classroom learning / teaching
- Exhibit based activities



Exhibits and exhibit design



Public communication of science : Festiva



Tinkering and Making

Why bother ?

What is the investment?

# Bringing Science closer

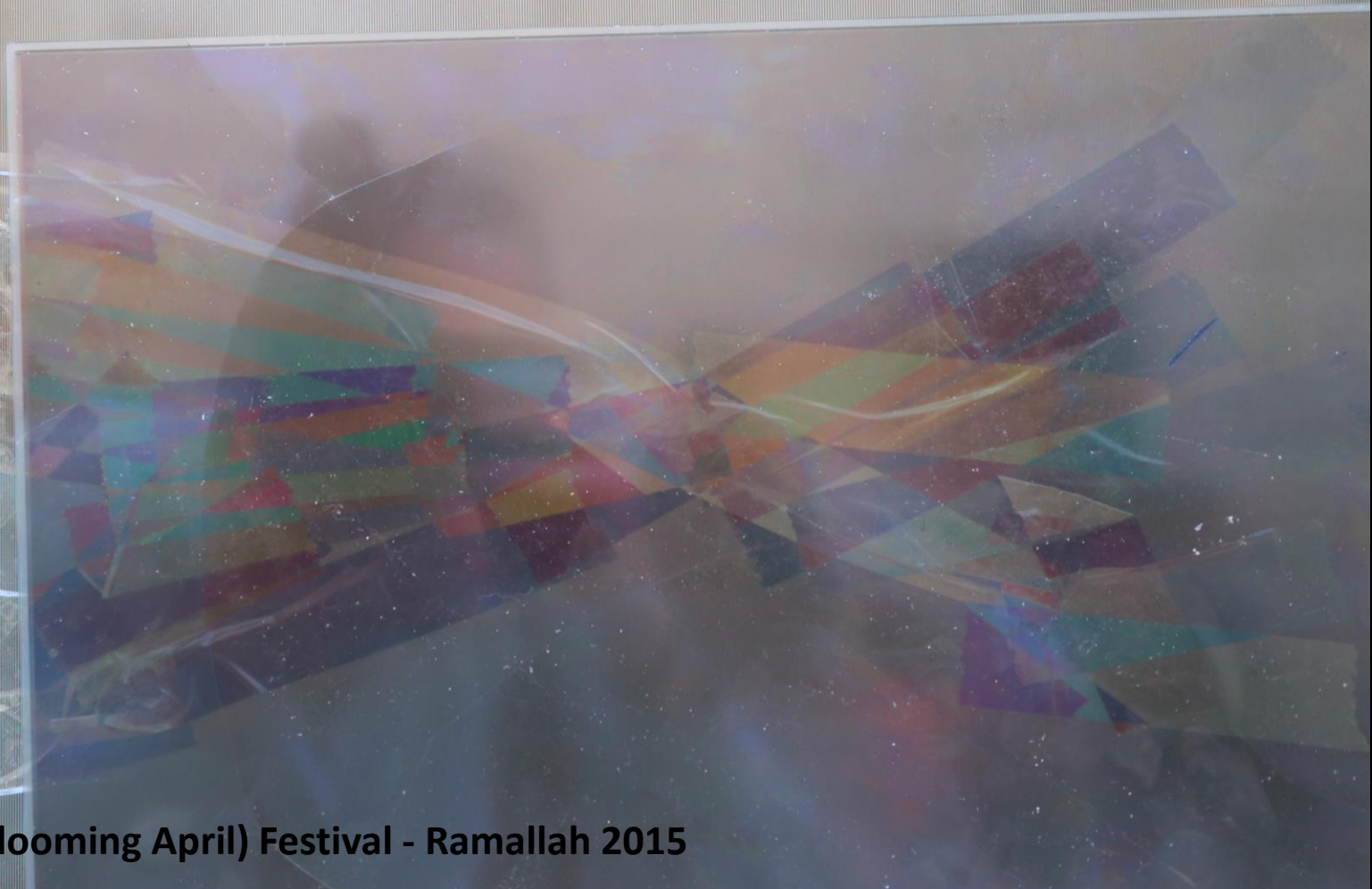




## Broad Spectrums In Focus



Wow effect to inquiry



Listen to my colors - Nowar Nissan (Blooming April) Festival - Ramallah 2015





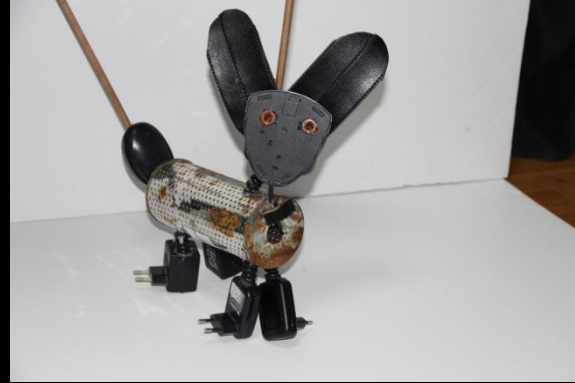
EXPRESSION



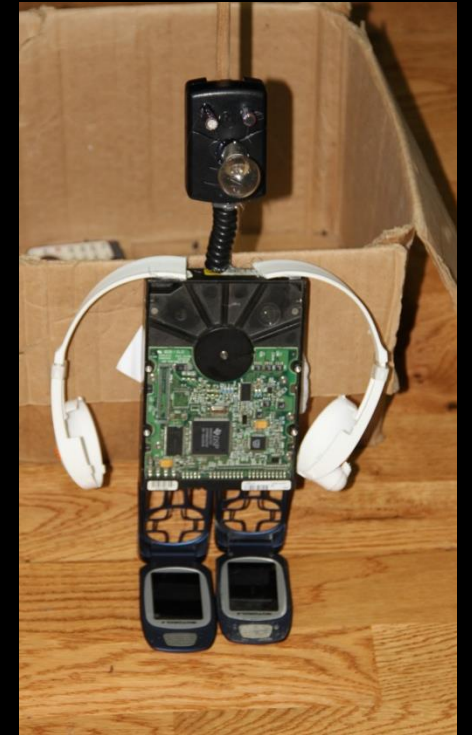
HUMAN DIMENSION



**IMPACT**



**PERSONALIZE**

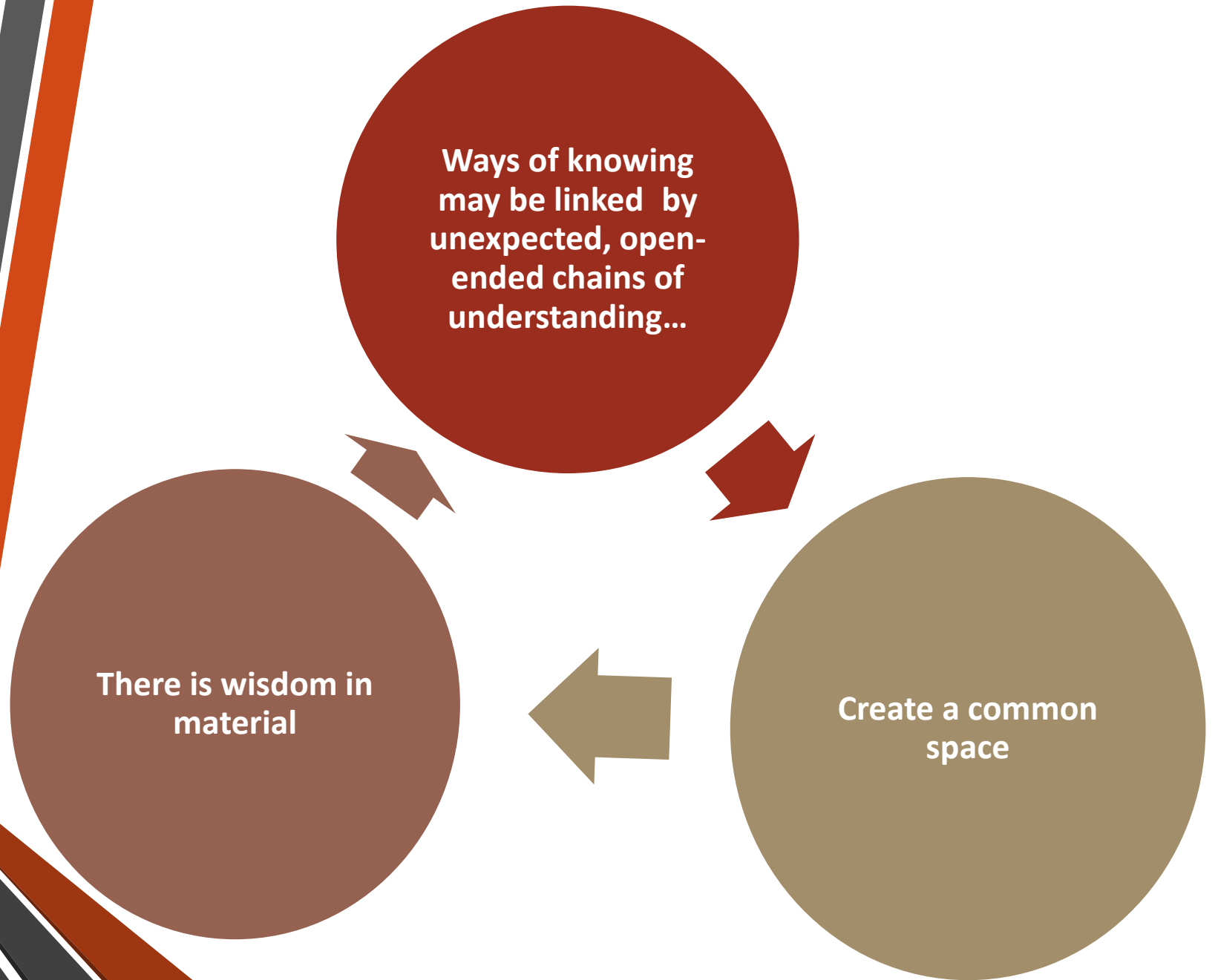


**LEARN**

# Another CHOICE FOR ENGAGEMENT



Major understandings:



# Major considerations

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*The “hands on” is not a set of procedures to be followed by a “heads in” of observations and conclusions.*

*It is more of  
“**HEADS IN ON HANDS ON**”  
working together to learn,  
create and express.*



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***Engage with the material  
world together with  
less focus on  
outer self (skills)  
and  
more focus on  
inner self (experiences).***



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*Give attention on how much  
**learning**, as content and process,  
**negotiates**  
with the **art**, as form and process.*



The neighbor hood tree - Nowar Nissan (Blooming April) Festival – Ramallah 2015



## Science Phenomenon



## Art concept



## Science technique



## Art technique



# Create a unique frame

Art technique



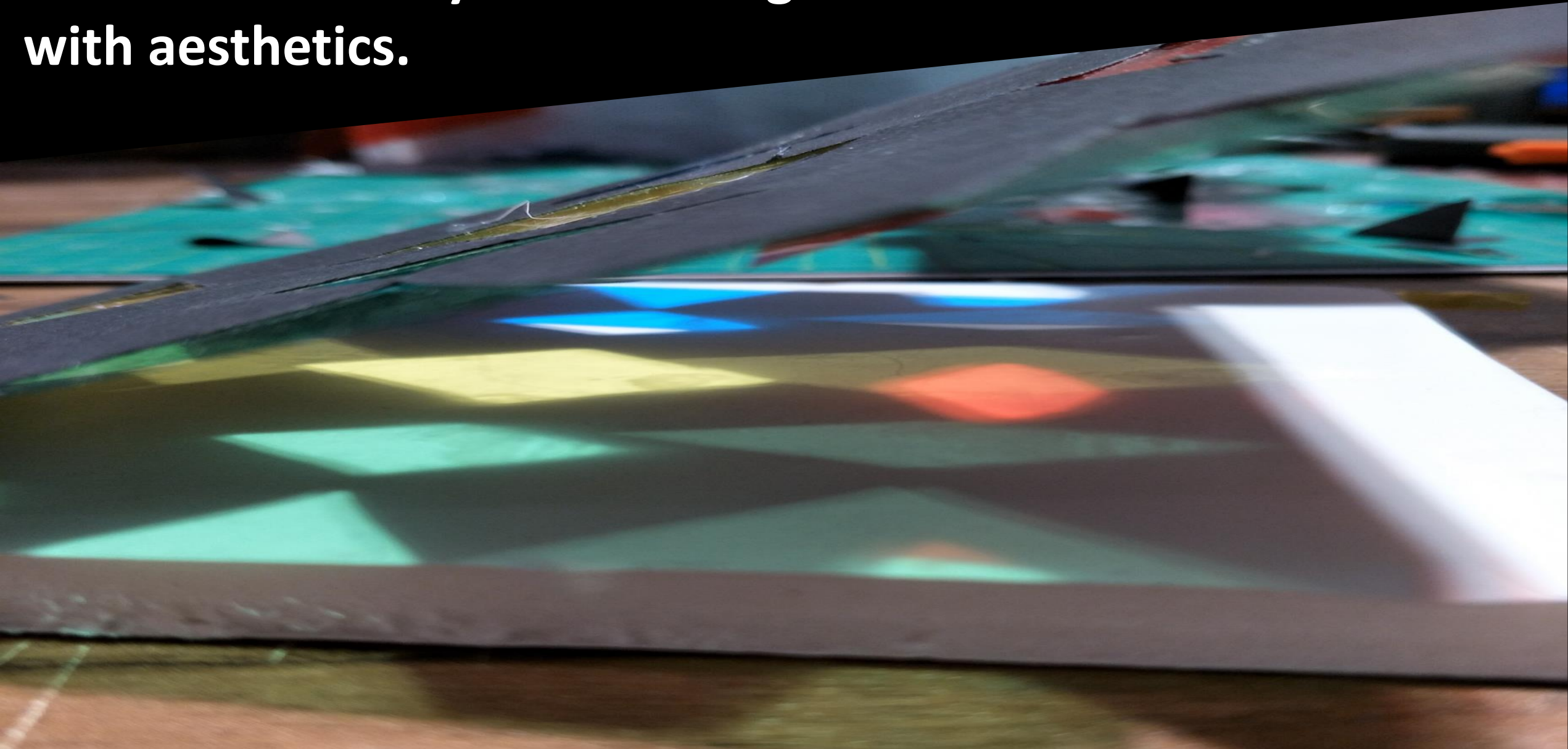
Art concept



Science technique

Science Phenomenon

**Our mission is beyond blending science  
with aesthetics.**



**Jerusalem Gates - Nowar Nissan (Blooming April) festival - Ramallah 2018**



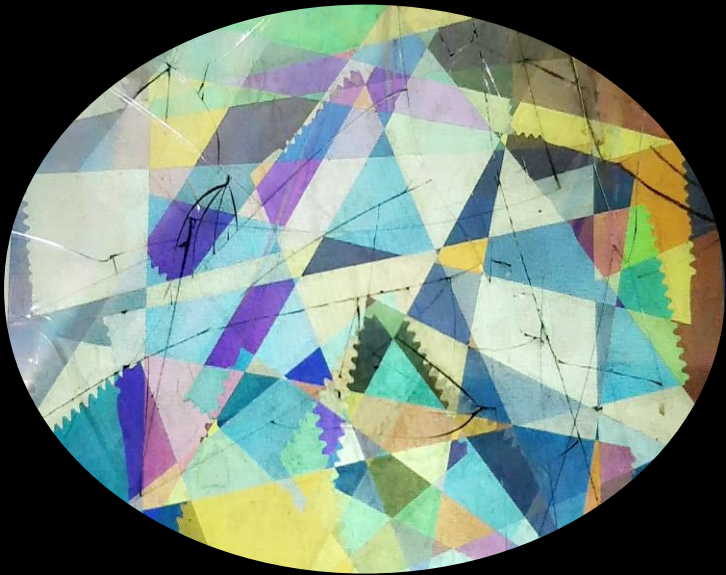
**Glass Shadow**



**Kaleidoscope**



**Shadows from within**



**Random Arabesk**



**A copy**

Think of  
and write  
notes on

- Science

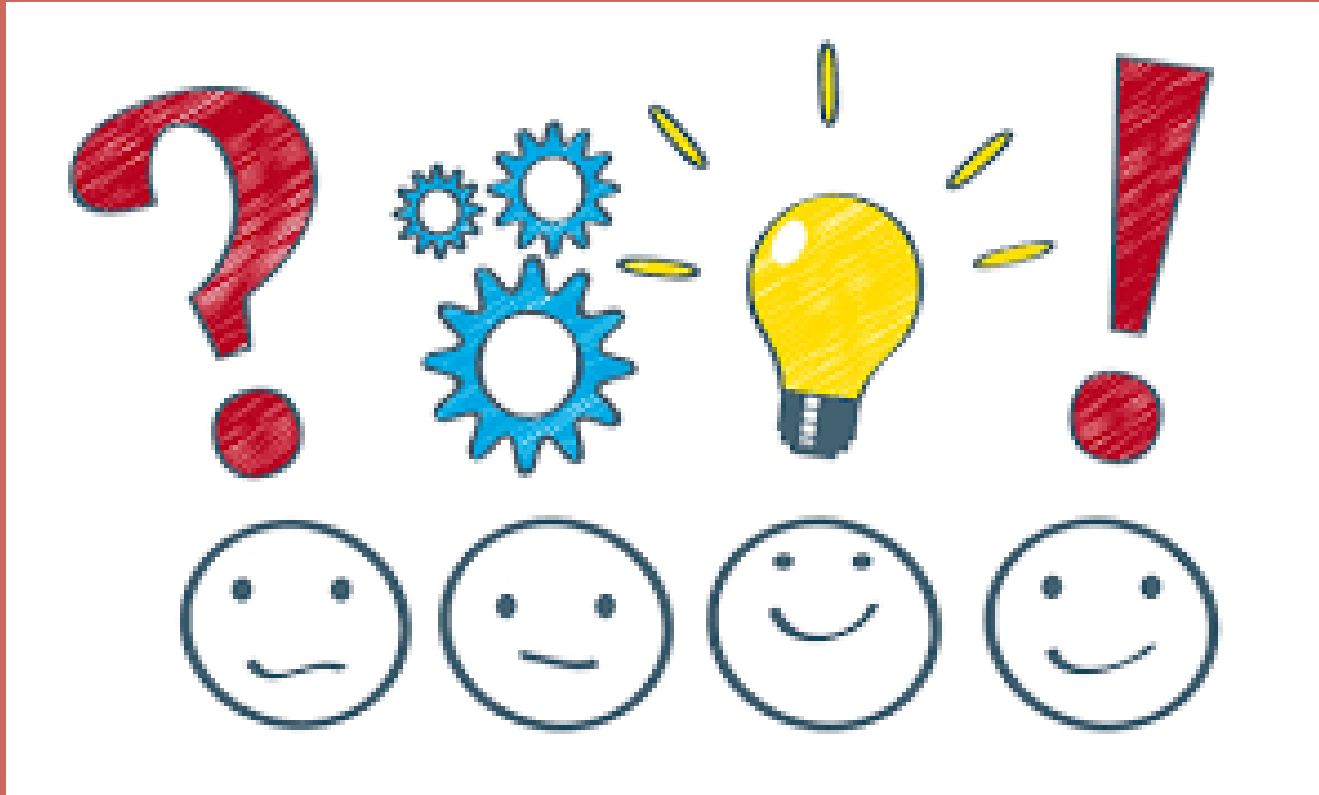
- Art

- Technology

- Inquiry

- Learning

- Expression



**Where were  
the  
opportunities  
in arts  
And  
in science?**



Engagement  
opportunities

- **Physical**
- **Intellectual**
- **Social**
- **Emotional**

- **Inquiry**
- **Experience**
- **Expression**

Elements of an art science  
learning environment

- **Content**
- **Techniques**
- **Concept**



**Facilitation**

**Material**

**Professional**



**Science Days in Palestine 2015 – Mirror image**



**Science Days in Palestine 2015 - Recycling plastic**



**Science Days in Palestine 2016 – Tinkering cardboard**



**Thank you**