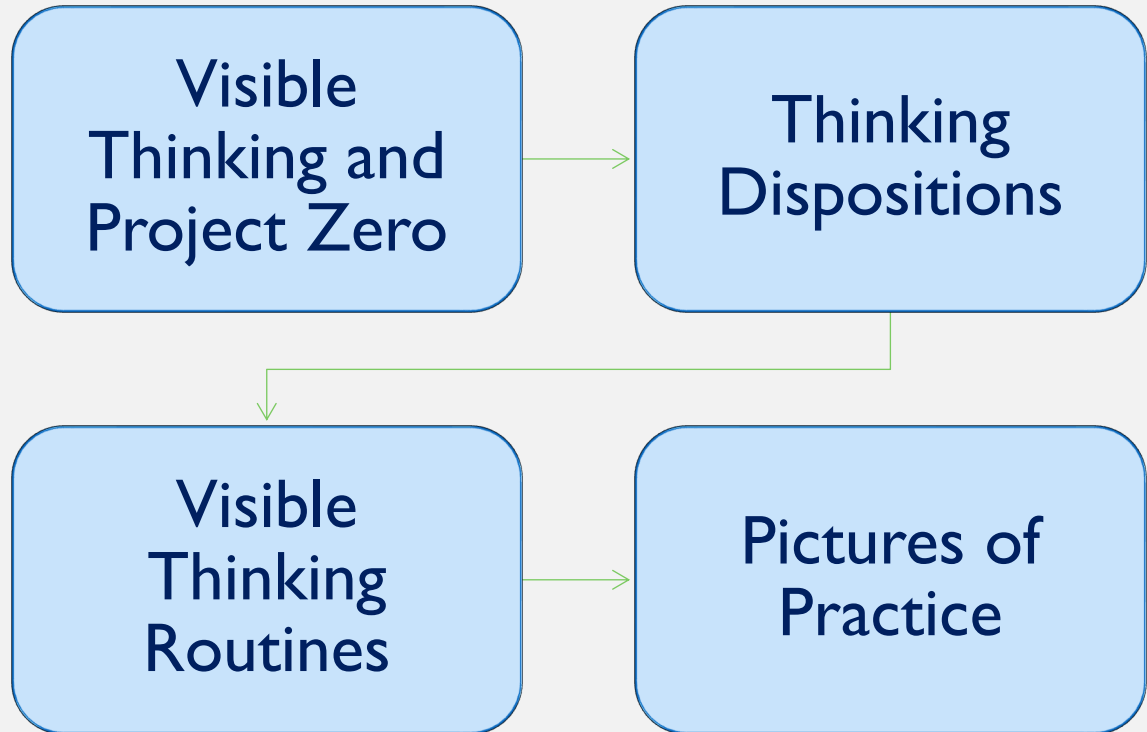


[illegible]

Sarah M Howell

Today...





THINKING

What **ideas** come to mind?

What **connections** can you make?

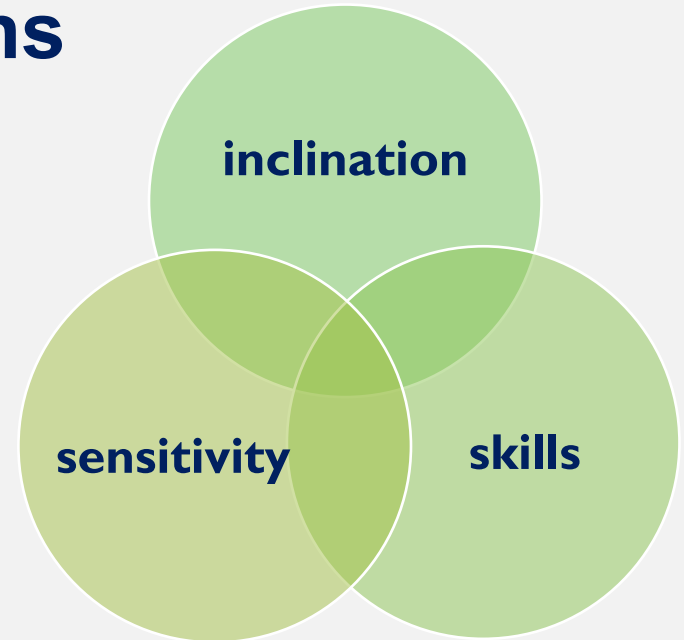
What **questions** arise?

Thinking Dispositions

Thinking skills are not sufficient!
We must also have the disposition
to use them.

Schools need to develop students':

- **inclination** (motivation) to think
- **sensitivity** (awareness) of occasions for thinking
- thinking skills and **abilities**



Visible Thinking...

“...is a way of helping students achieve **deeper thinking** without a separate ‘**thinking skills**’ course or fixed lessons.”

“...is a broad and flexible framework for **enriching classroom learning** and fostering students' **intellectual development** at the same time.”

Project Zero, Harvard Graduate School of Education
www.visiblethinkingpz.org www.pz.harvard.edu

Visible Thinking Framework

a set of routines that **support the development of thinking**

- step-by-step routines to **scaffold thinking**
- suitable for **any age group, any subject**
- develop **learner autonomy**
- focus on **understanding**
- **inclusive**



Visible Thinking Routines

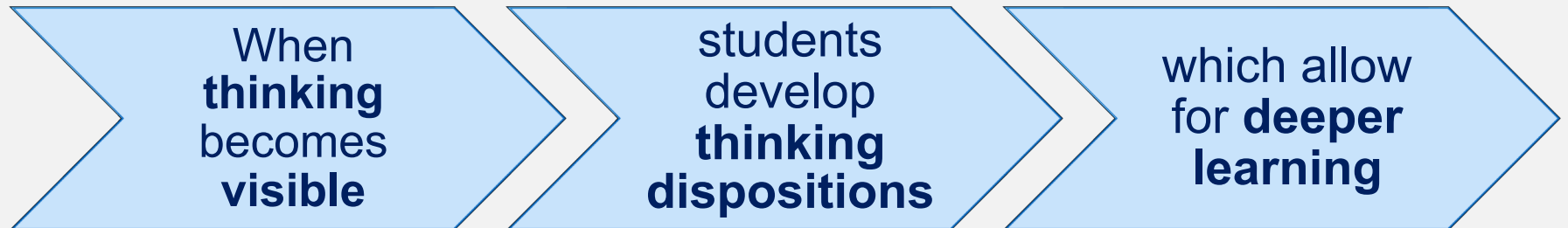
What are they?

- A **simple** classroom **routine** or procedure designed to promote students' thinking
- Mini-strategies **repeatedly** used in class



Visible Thinking Routines

Why would I want to use them?



Visible Thinking Routines

How can I get started?

- Start by experimenting with the routines
- Choose 1 or 2 and make it a *routine*



Artful Thinking Palette

- reasoning
- exploring viewpoints
- finding complexity
- questioning and investigating
- observing and describing
- comparing and connecting



Source: www.pzartfulthinking.org

SOME ROUTINES TO START...



Think Pair Share



Chalk Talk



See Think Wonder



Looking: 10x2



Headlines

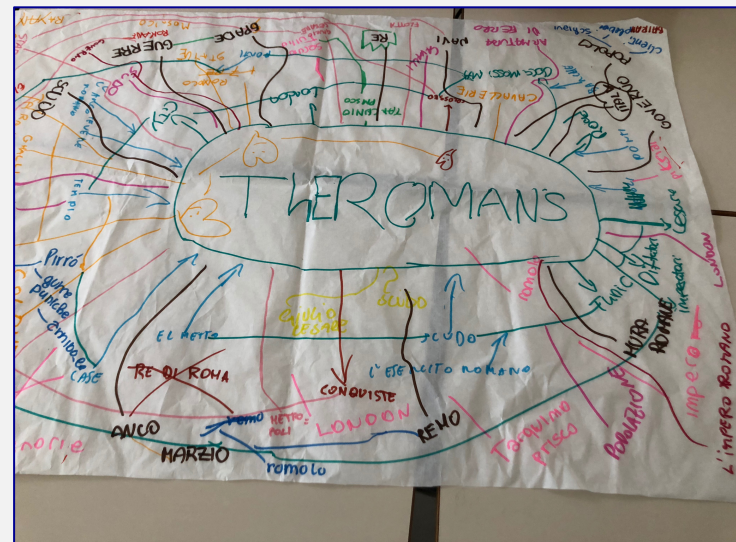
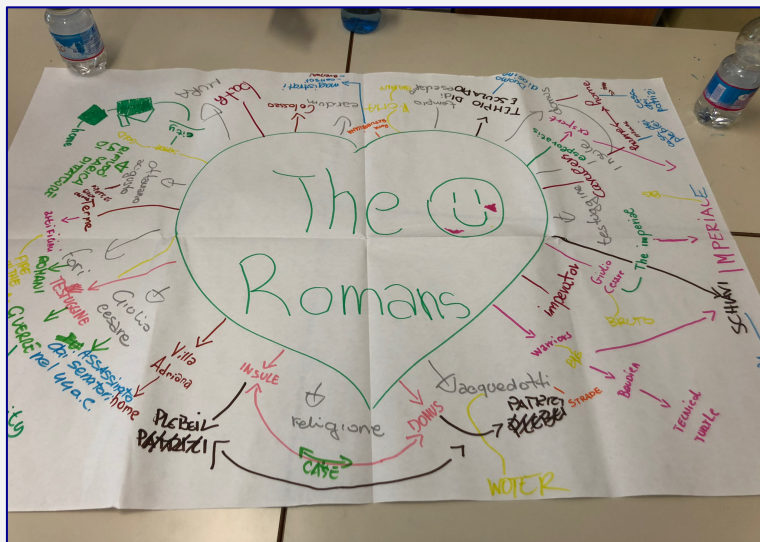
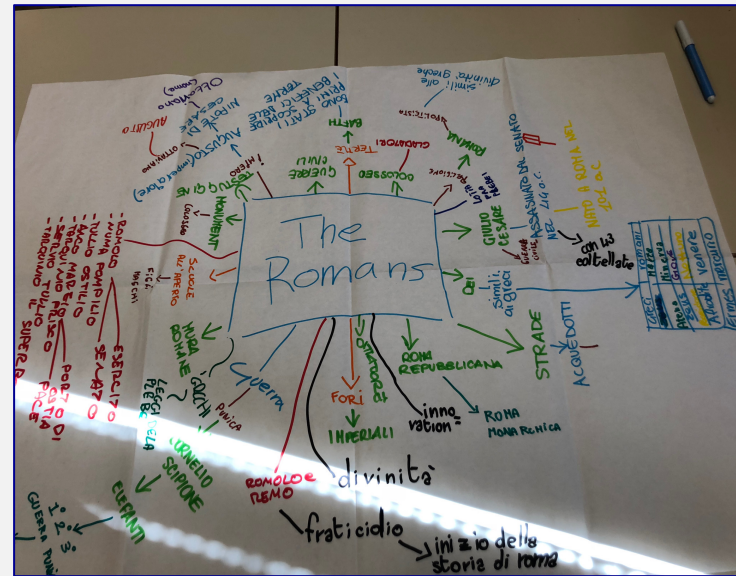
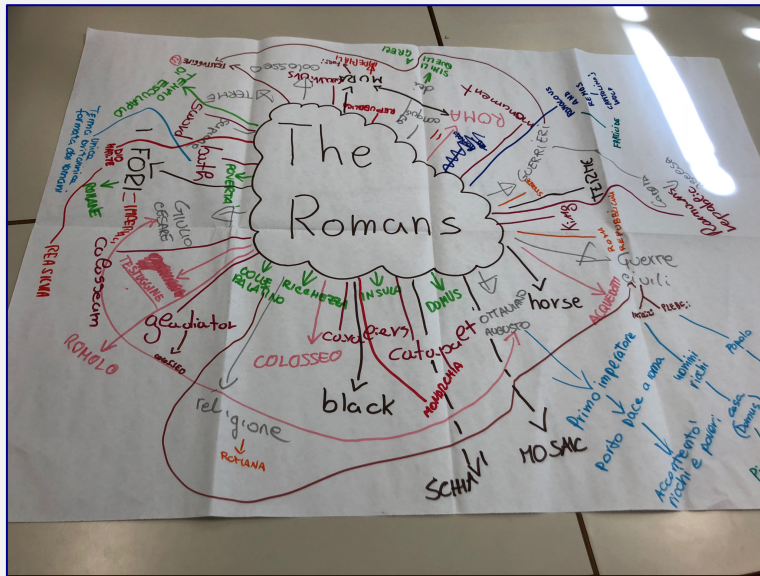
Chalk talk

- 1 Prompt on paper, space to circulate
- 2 Write/draw ideas. Make connections
- 3 Rotate tables and repeat 1 and 2
- 4 Share/debrief

This routine helps students **consider ideas, questions, or problems by silently responding** in writing both **to the prompt and the thoughts of others**



Chalk Talk



Think Pair Share

- 1 A question for the students
- 2 Some individual thinking time
- 3 Share their thoughts with a partner

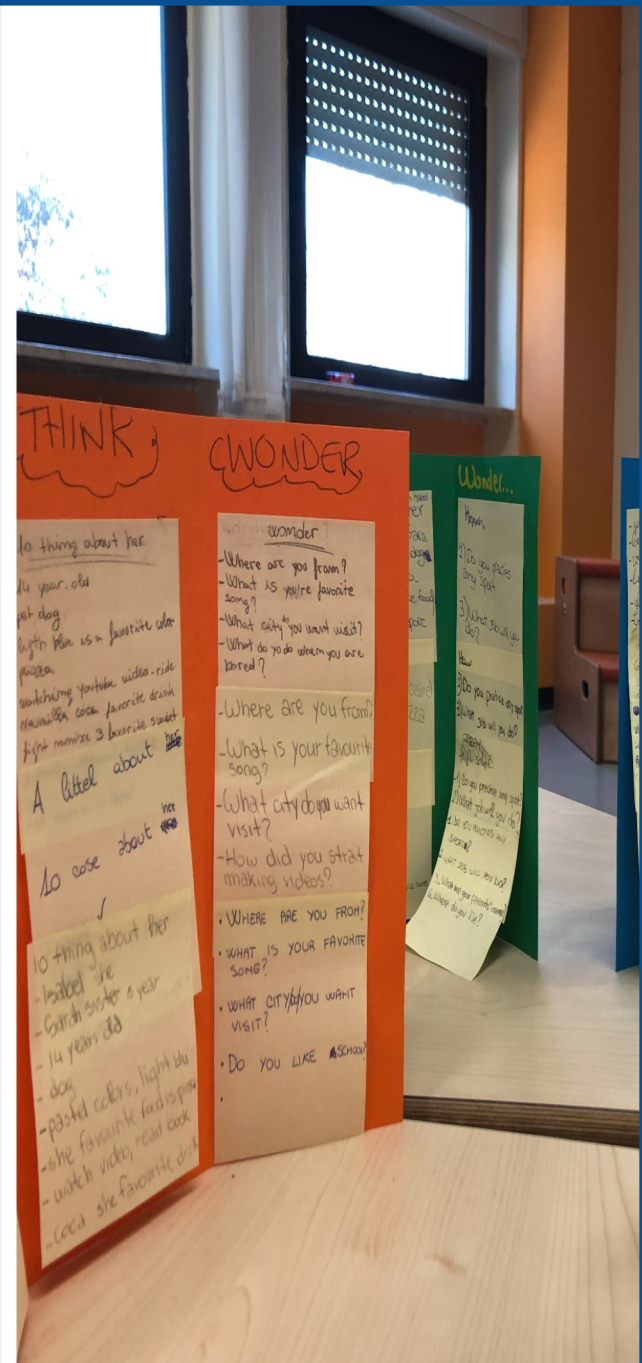


This routine helps students to **think individually**, **share ideas** and builds **oral communication skills**.

See Think Wonder

- 1 Write down what they notice /see.
- 2 Think about what is going on in the image/material.
- 3 Ask students what it makes them wonder based on what they have seen.

This routine encourages students to make **observations** and **interpretations**.
It stimulates **curiosity** and **inquiry**.

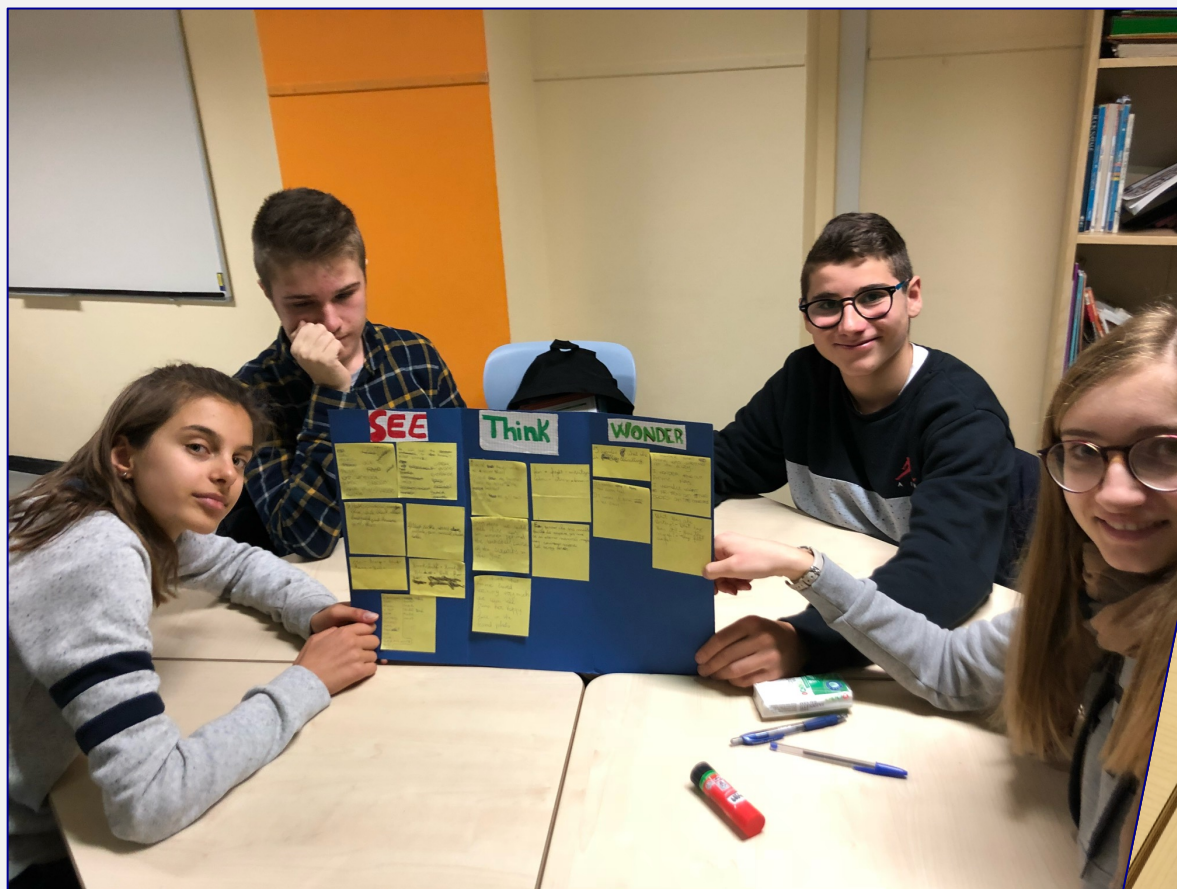


S-T-W

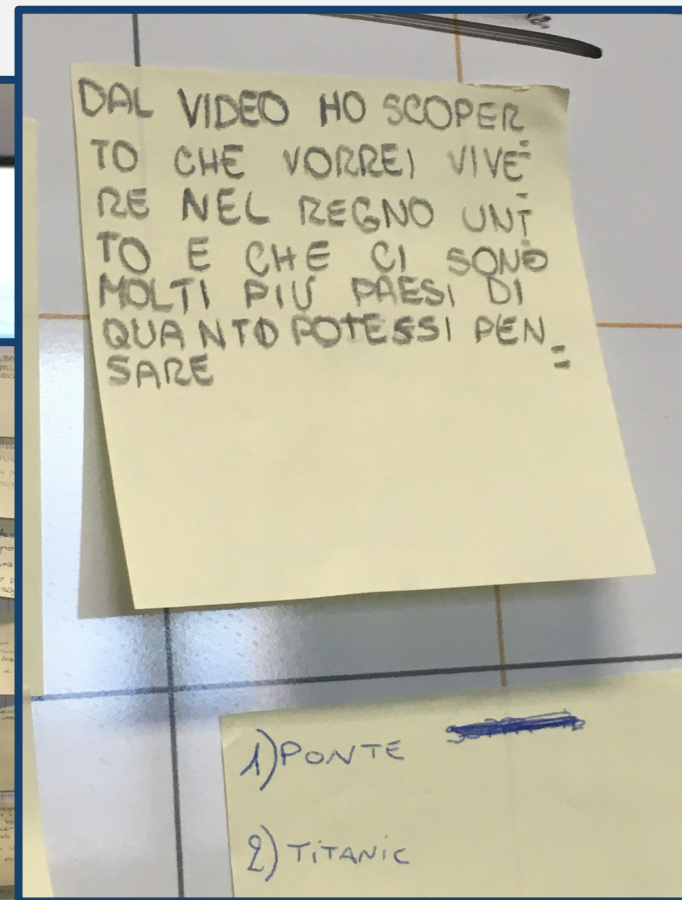
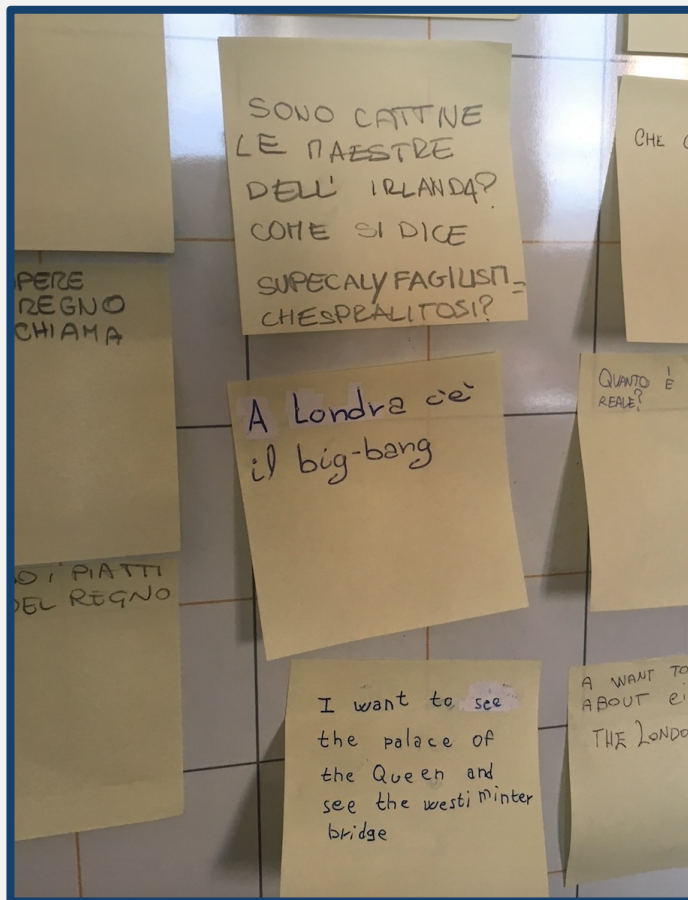


Scuola secondaria I° grado "C. Krueger" - Teacher: Laura Ferrante

S-T-W



S-T-W



Istituto Comprensivo Bruno Da Osimo
Lead Teacher: Romina Quattrini



What can you see?

What do you
think about it?

What does it make
you wonder?

Looking: 10x2

1 Look at the image for at least 30 seconds.

Let your eyes wander.

2 List ten words or phrases about the image on sticky notes.

3 Repeat 1 and 2.

The routine helps students **slow down** and make **detailed observations**.

It encourages them to **push beyond first impressions**.



Headlines

- 1 Give out a long strip of paper to each group.
- 2 Ask students to write a headline that captures the most important aspect to be remembered of a topic.

This routine helps students **capture the heart** of the topic.

It also can involve them in **summing things up** and coming to some **tentative conclusions**.

Reading text



I am Malala

1 Look at the pictures.
Who is the girl?

2 Listen and read. 

Malala Yousafzai is a student. She lives in the UK but she is from Pakistan.

Malala has a very special story.

It starts in Pakistan.

In Pakistan, it's dangerous for girls to go to school.

Some people say 'Girls can't go to school.'

But Malala loves school.

She's a very brave girl, and she writes a blog.

She goes to school every day at half past eight.

One day, she's on the school bus, and a person attacks her.

She goes to hospital. The doctors are very good and Malala lives.

She comes to England with her family.

Malala says 'I want to be the Prime Minister of Pakistan.'



Malala's book

“One child, one teacher,
one book, one pen can
change the world.”
Malala



dangerous
some people ...
brave
attacks her ...

Wordlist p000

Headlines

Malala's special story!

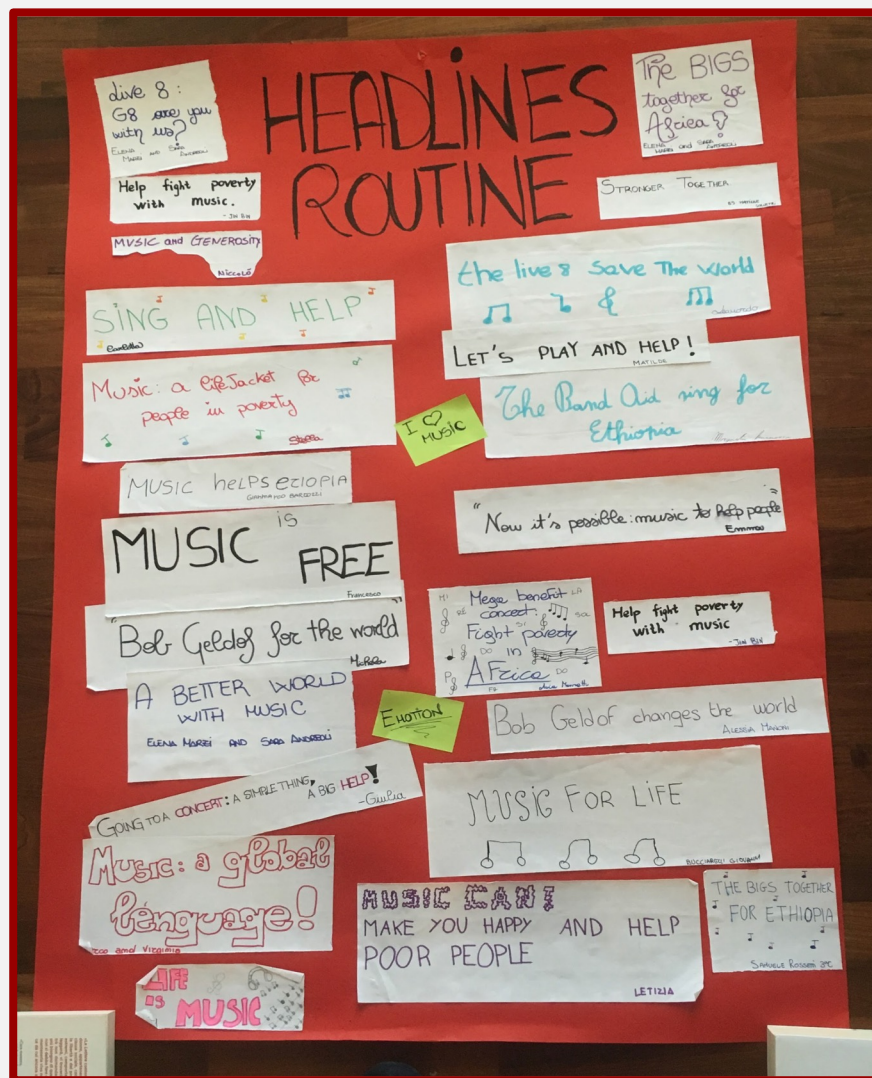
A brave girl!

School for girls!

It's dangerous in Pakistan

Headlines

Unit on fundraising
and charities



Scuola secondaria I° grado "Fagnani", Senigallia (AN)

Teacher: Patrizia Caroti

Documentation

Making the invisible visible!

- mind maps
- charts
- lists
- videos of classroom work
- diagrams
- students' reflections in a journal



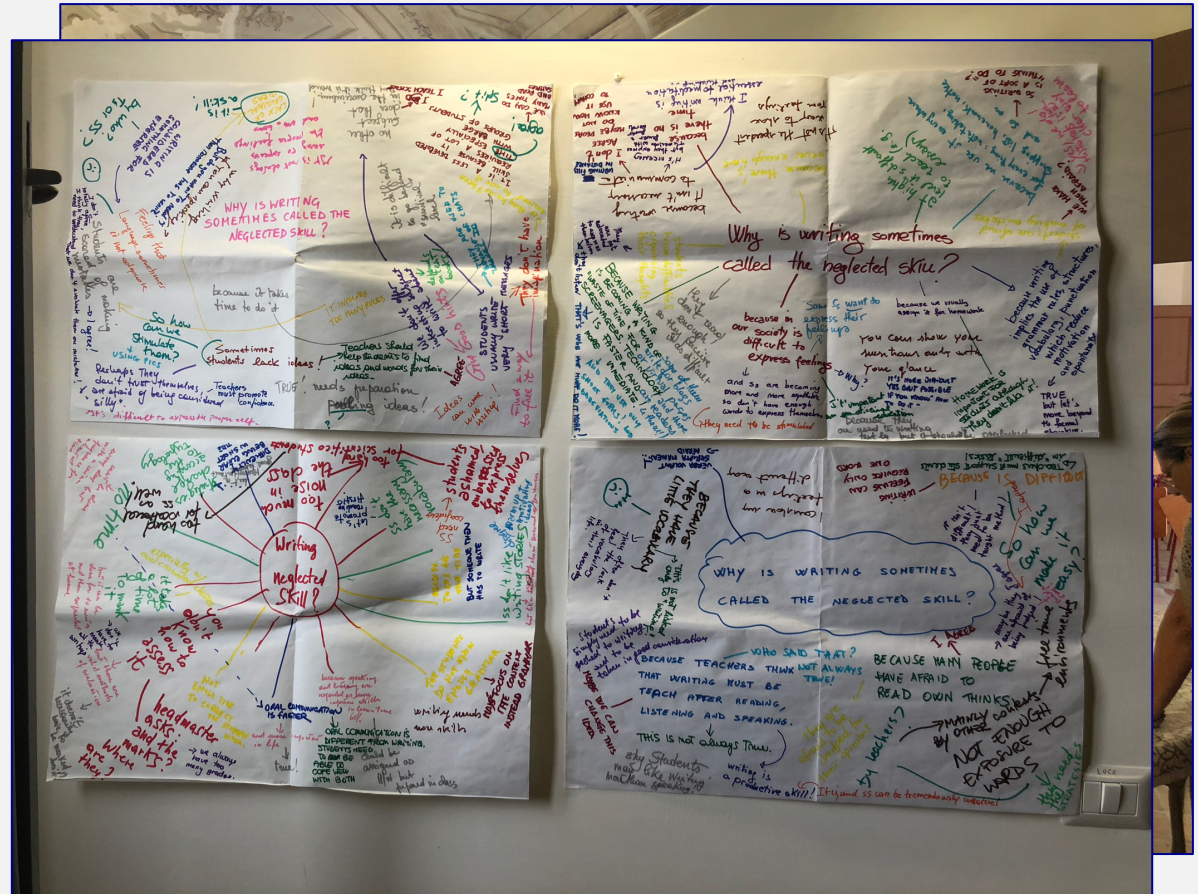
**And a pile of
sticky notes!!!**

Pictures of Practice...

Thinking Critically:
Fostering a Culture
of Reading and
Writing”

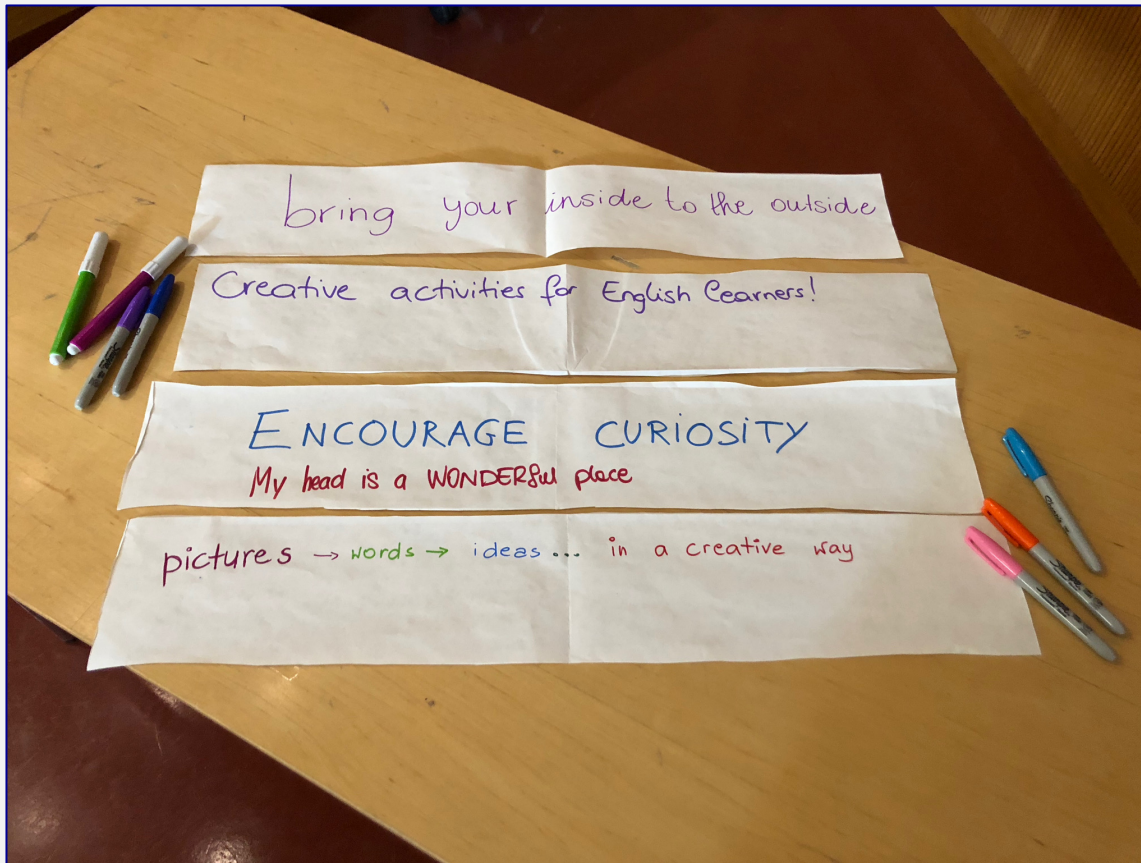
Rete Professional
Development Marche
Group

(Modulo formativo
25 ore - Ambito 0007
– Settembre 2018)



Create a **headline** for today's session

Capture the “**essence**”!



Research project on Visible Thinking

Harvard Graduate School of Education (HGSE) and Project Zero (PZ) 2017

Developing Thinking Dispositions using ELT textbook materials in English Language Classes in Italy



Team Ancona

Sarah M Howell

Lisa Kester-Dodgson

“Let’s make our thinking visible”



**Let's make our thinking visible |
Oxford University Press**

Understanding how students think is key to helping them develop their language skills. In this article, we build a case for 'making thinking visible'!

OUPELTGLOBALBLOG.COM

Bibliography and sources

Making thinking
visible is
like breathing air,
once it becomes a
part of your teaching
and learning **you**
almost forget it's
there...

SMHOWELL@GMAIL.COM

