

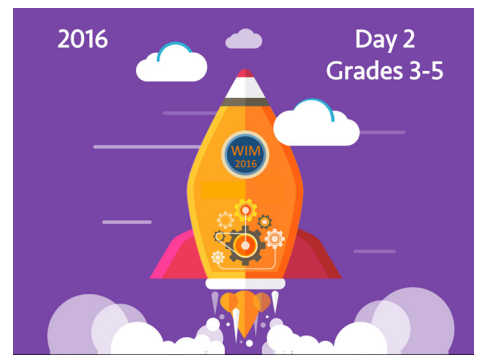
**Introduction:**

This activity is open and gives space for students to learn about representing in a graph with different dimensions but without numbers.

**Agenda for the day:**

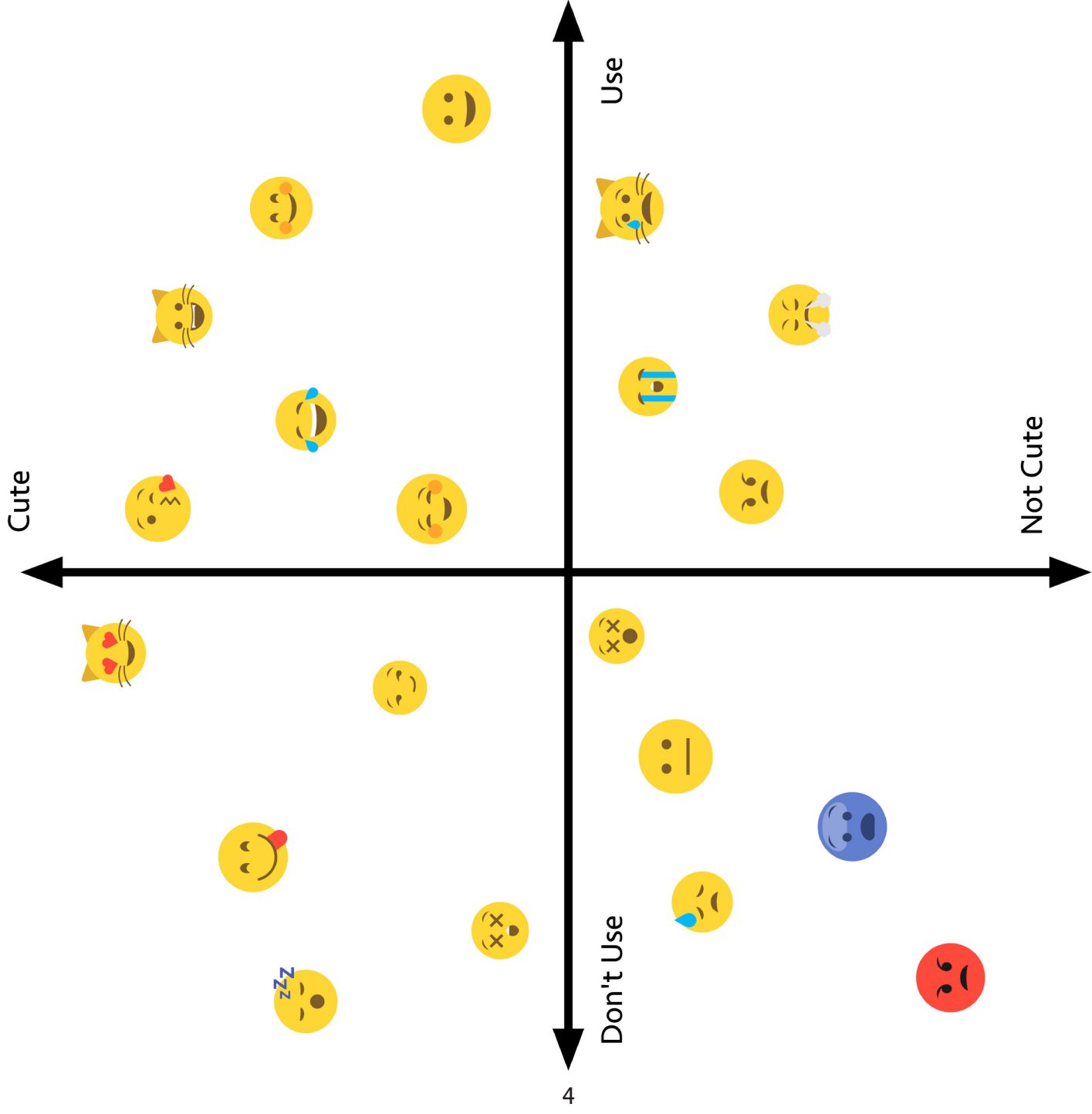
Activity	Time	Description/Prompt	Materials
Mindset Video	5 min	Play the mindset video, <i>Mistakes are Powerful</i> <a href="https://www.youcubed.org/wim2-day-2/">https://www.youcubed.org/wim2-day-2/</a>	Mindset Video day 3, <i>Mistakes are Powerful</i>
Emoji Graph	10 min	Read and analyze a graph 1. What ideas do you have? 2. What do you notice? 3. What questions do you have? 4. What information is this giving to you?	LCD projector Paper/journal Pencil/pen
Create your own graph	15 min	Create a graph with a partner or a team.	Poster paper Markers Meter sticks/Rulers
Interpret a graph	10 min	Interpret another team's graph 1. Study the graph. 2. Respond to what the graph is saying.	
Closing	5 min	Mistakes. You may like to end the lesson by reminding students of the video they watched and of the value of struggles they went through, or mistakes they made. If they struggled or made mistakes in this lesson point out to students that their brains will probably have grown and new pathways may have formed.	





In the next part of the activity groups will read each other's graphs. When each group has at least 12-15 items placed on their graph hang the posters up around the room so they are located near to another group, that did not make it. Give groups time to study and discuss the graph made by another group.

Once groups are ready bring the class back together. Ask each group to describe what the poster they read, is showing. Rotate from group to group giving each group about 2-5 minutes to describe and respond to the graph poster they saw.



What do you notice?

What do you wonder?

What questions do you have?

What information does this graph provide?