## **Activity Title: What about pixels?**

Theme: Cylinder systems Month: December

**Aim:** To introduce children to the knowledge of pixels; Learning about how to represent a picture using cylinders; increase creativity; Starting to understand how picture can appear on a computer

**Resources/Materials needed:**.Play corn or hama beads (if you don't have them pupils can stick cut straws); card board grid; sampling patterns, glue

## Subject Technology Activity

- Step 1. Discover a pixel art's picture, pupils explain and discuss what they see
- Step 2. Present to pupils the cylinders you have chosen and the grid
- Step 3. According to your pupils' age and skills give them sampling patterns or let them free to use the cylinders on the grid
- Step 4. Let pupils stick together the cylinders in order to form the picture
- Step 5. Show their pictures from a distance
- Step 6. Discuss: is it different if we see the picture from a distance vs closely? Why?
- Step 7: Discuss with pupils about picture on computer, show them what happens when you enlarge an image.

  Compare with their works and discuss

These are the links for a short example of this activity:

https://www.youtube.com/watch?v=m8c1CAT2zEl

https://www.autostraddle.com/nerdcraft-craft-like-a-nerd-with-perler-bead-sprites -176533/

https://www.google.com/search?tbm=isch&sxsrf=ACYBGNRfuc9I\_9WBh0lfLTaTxCI7uBSmsA:1568457312644&q=pixel+art+da+stampare&sa=X&ved=0ahUKEwiPsdznjtDkAhXDIIAKHd5bBAEQrNwCCEMoBg&biw=1093&bih=461&dpr=1.25#imgrc=\_





