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**ARTS COUNCIL  
ENGLAND**

## KS2 LESSON PLAN - ALLURIAT - ICT + DESIGN & TECHNOLOGY

<p><b>Session that can be done in an afternoon slot.</b></p>	<p><b>WALT:</b> - To create a hologram projection</p>	<p><b>Resources:</b></p> <ol style="list-style-type: none"> <li>1. Graph paper</li> <li>2. A CD case</li> <li>3. A pen</li> <li>4. A pair of scissors</li> <li>5. Sellotape or superglue</li> <li>6. A craft knife or glass cutter</li> <li>7. Smartphone / School iPads</li> </ol>
<p><b>Input</b></p>	<p><b>Main Activity</b></p>	<p><b>Plenary</b></p>
<p>Read the poem Alluriat (attached) to the ch. (read before Lunch)</p> <p>Ask ch what images do they have when listening to the poem. <i>what imagery can you think related to the poem?</i></p> <p>Ch to think about optical illusions. <i>What are the most simplest optical illusions? Why is it interesting to create optical illusions?</i></p>	<p><b>Ch to work in groups / partners: Please see resources below for pictorial reference.</b></p> <p><b>a) Draw a trapezoid on a piece of paper with a bottom length of 61.5mm, top length of 12mm, and side lengths of 43mm. Trace the shape on the acrylic CD case with your pen, repeating it 4 times.</b></p> <p><b>b) Slowly score the lines drawn on your CD case with a box cutter, and repeat carefully until it cuts through. Take care when removing the cut pieces, as the acrylic has relatively sharp edges.</b></p> <p><b>c) Place the 4 pieces next to each other along their 43mm sides, and attach them using a thin strip of cellophane tape at each shared edge. When 3 of the edges have been taped, fold them into the shape of a pyramid and tape the remaining edge.</b></p> <p><b>Using the ipad to access a projected image and experiment with the pyramid.</b> <b><u><a href="https://www.youtube.com/results?search_query=pyramid+hologram">https://www.youtube.com/results?search_query=pyramid+hologram</a></u></b></p>	<p>Ch to share and evaluate their hologram.</p> <p><i>What worked successfully? What areas did you find challenging?</i></p> <p><i>How can this be improved? How can holograms be applied into everyday life? What would be the benefits of using holograms in schools and hospitals?</i></p>
<p><b>Notes: A teacher / Teaching Assistant would need to support the cutting of the plastic CD case. This should be planned accordingly.</b></p>	<p><b>ICT/Writing/Numeracy opportunity: Research on 4D digital technology and VR equipment.</b></p>	

## KS2 RESOURCES

### *Alluriat*

Two sisters in the world there lived  
In harmony they grew  
Each loved the other like a mother  
Until a bad wind blew

That storm tore them away from home  
It left Metazayne alone  
But Joolta was taken in  
And kindness she was shown

Metazayne was washed to sea  
And pulled under the waves  
And there she found another world  
Of corals and of caves

There she found a way to live  
With creatures of the deep  
But didn't make friends easily  
And she would lie and weep

They feared her as her power grew  
And so they made her Queen  
She ruled a tiny kingdom  
With riches seldom seen

Far away her sister lived  
A sailmaker was she

She had no riches, only love  
But she lived happily

One thing she lacked though, pained her heart  
It was her sister dear  
So up she rose to sail the ocean  
Conquering her fear

Queen Metazayne was struggling  
Her greed was getting greater  
She had grown cruel and selfish  
And her friends began to hate her

The more they cried and swam away  
The meaner she became  
She treated them like little toys  
In her deceitful game

Now Joolta sailed through night and day  
Until the good wind dropped  
And there she floated helplessly  
Her mission all but stopped

And Metazayne, a mile below  
Watched the vessel float  
And ruthlessly she set about  
To wreck and sink this boat

She sent her biggest octopus  
To break the ship in two

And down it came under the waves  
Poor Joolta sinking too

Metazayne was having fun  
A new toy for her game  
But as Joolta sank now below  
She asked the Queen her name?

How dare this girl look at the Queen?  
Whose own name she'd forgot  
She would be punished now for this  
And left in jail to rot

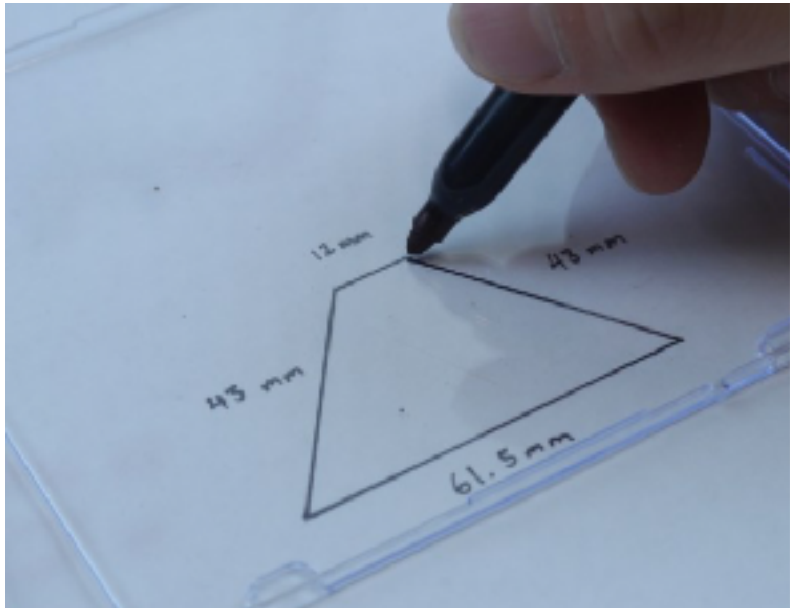
But this girl showed her only love  
She gave to her a toy  
The Queen had seen this toy before  
And anger turned to joy

Was this a sister from times past  
The one she left behind?  
Why was she here? Had she got lost  
Or had she come to find.....

The girl began to take the clothes,  
The cape, the jewels, the crown,  
And make her sister as before  
Her kingdom of deep down

And now they could be sisters  
Nothing less or more  
And they could live in harmony  
A new life on the shore

**A.**



**C.**



**B.**

