

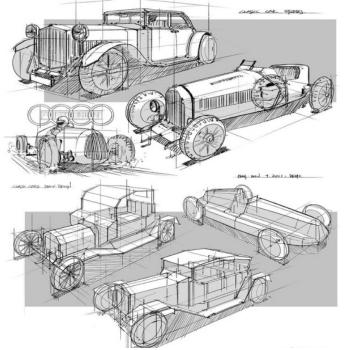
# Design out the box

# Name / Enw:

# Form / Dosbarth:

#### Design Task / Task Dylunio:

You will learn how to present designs using the following drawing techniques, sketching, crating, perspective drawings, isometric drawings and rendering techniques. You will use these techniques to complete a design brief using the skills that you have learnt.



#### **Presentation**

You are expected to <u>carry your folder in the A3 wallet</u> <u>provided. IT SHOULD NOT BE FOLDED</u> A pen should be used for all writing and a pencil should be used for design work. Designs are expected to be coloured in.

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#### Learning Objectives / Nodau Dysgu:

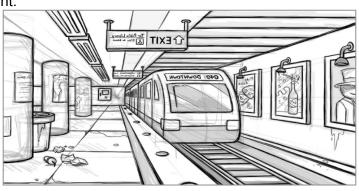
- You will learn how the crating technique can help when developing 3 dimensional images
- You will learn to draw in a variety of techniques such as isometric, one point and two point perspective
- You will learn how to enhance the presentation of your work with thick and thin lines
- You will learn how to add colour to a three dimensional drawing to give a sense of realism.
- You will develop a range of CAD 3D modelling skills
- You will design a detailed realistic model to convey your ideas to the client.

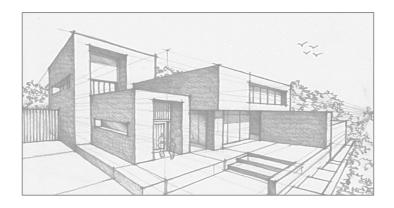
Drawing Technique	Interim Level	Level Awarded
One point perspective train		
One point perspective NYC		
One point perspective crating		
One point perspective phone/ camera		

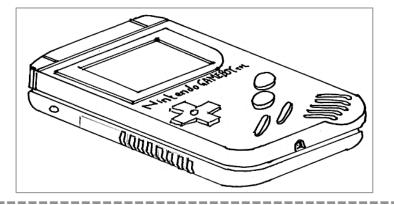
Drawing Technique	Interim Level	Level Awarded
Two point perspective NYC		
Two point perspective House		
Two point perspective luxury House		
Two point Crating		
Two point perspective phone/ camera		

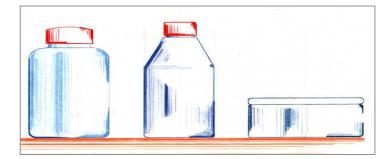
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Drawing Technique	Interim Level	Level Awarded
Textures		
Renders		
Thick/thin line		
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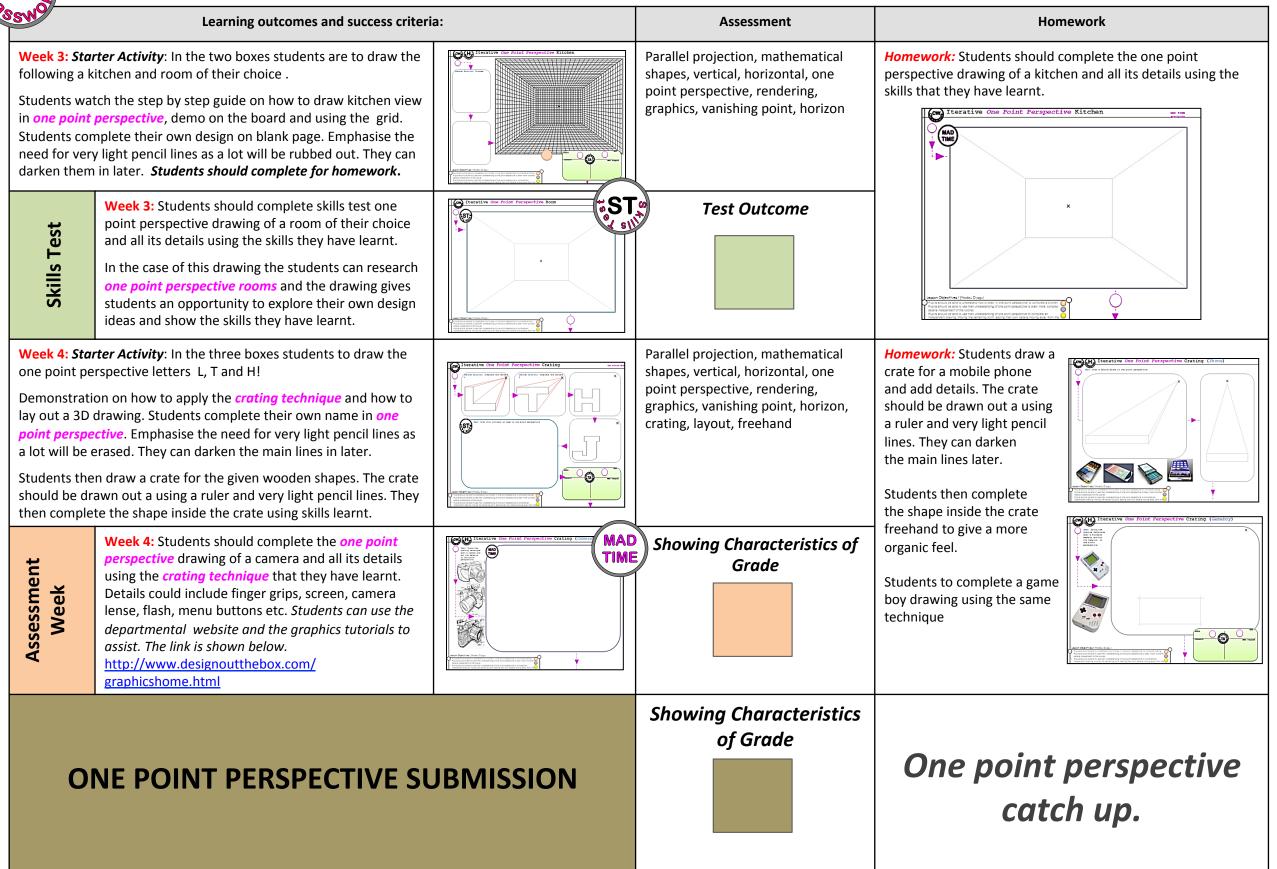




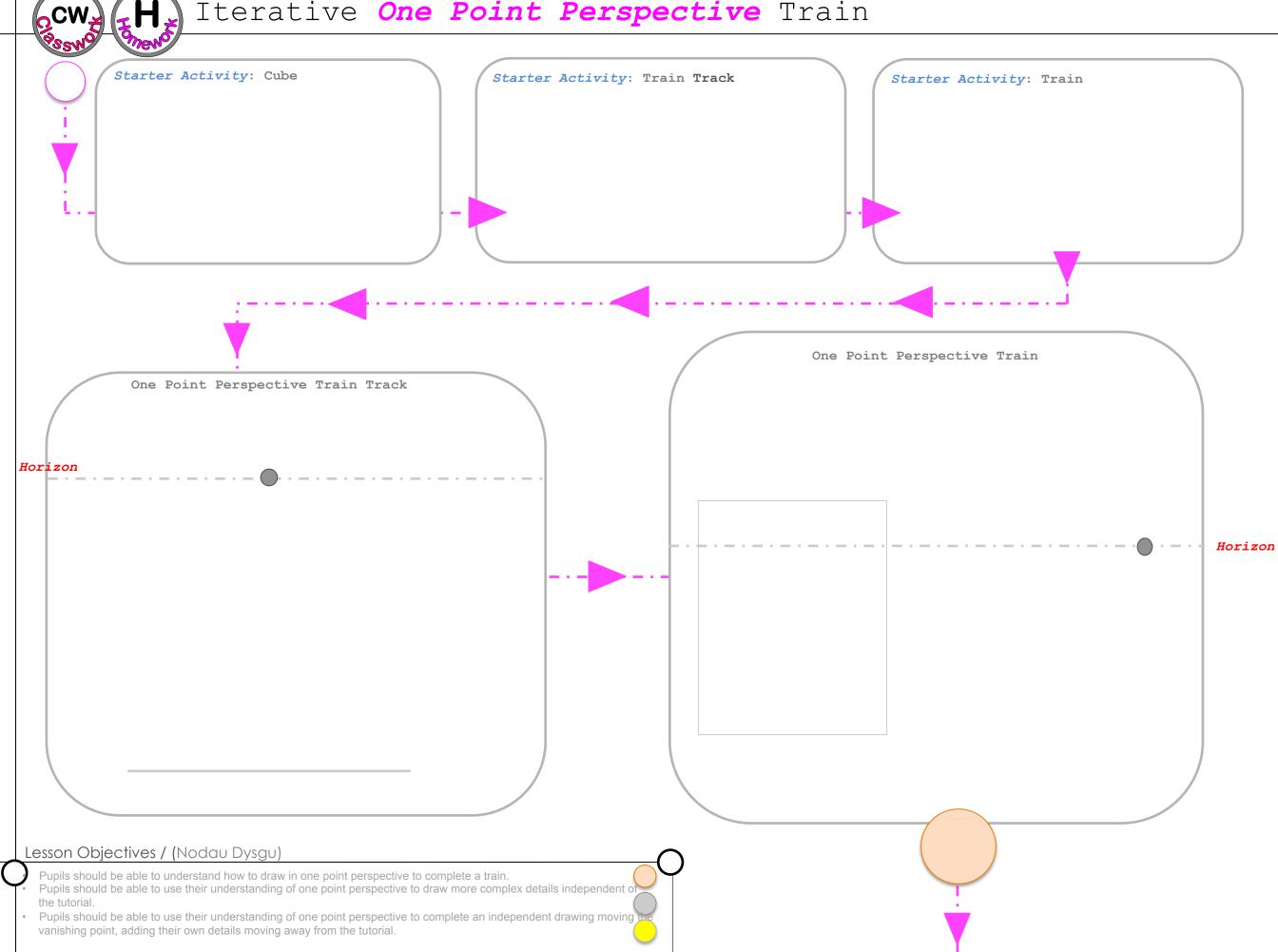
	Subject:		Year	Term	Торіс
	KS4 Graphics Skills		10	Term 1	PRODDUCT DESIGN ENGINEERING
<b>Skills =</b> This as well as lit <b>Knowledge</b> anguage an <b>Understand</b> will understa presentation	<b>Idedge and Understanding to be developed:</b> project allows students to develop a wide range of co eracy and numeracy skills throughout their design fol = As students research information that will inform th d 3D graphical drawing and modelling skills taught. <b>Ing</b> = Students will understand how to apply the crati- and how to present ideas in isometric, one point and n of their work with thick and thin lines. They will und give a sense of realism.	der. heir designs they will present the ng technique to help when deve two point perspective. They will	ir findings using appropriate technical loping 3 dimensional objects. Students understand how to enhance the		vo Point Perspective, Rendering, netric, Sketching, Shading, Thick and ing, Modelling.
	Learning outcomes and success crite	ria:	Assessment		Homework
the following Students sho of the train t use these sk	arter Activity: In the three boxes students to draw g a cube, a train track, a train! ould complete the one point perspective drawing track followed by the train. They will then be able to cills to draw a one point perspective train add their following the rules and techniques that they have	Tetrative Cone Point Paragenetizes Train	Parallel projection, mathematical shapes, vertical, horizontal, one point perspective, rendering, graphics, vanishing point, horizon		uld complete the one point perspectiv its details using the skills that they hav
Assessment Week	Week 1 Students should complete the <i>one point</i> <i>perspective</i> drawing of a train and all its details using the skills they have learnt. Details could include train station, bridges, houses on the side of the track, different shaped train. <i>Students can</i> <i>use the departmental website and the graphics</i> <i>tutorials to assist. The link is shown below.</i> <u>http://www.designoutthebox.com/</u> <u>graphicshome.html</u>	Eletative (the Polat Perspectave Train MARTINE University of the Polative Perspectave Train University of the Polative Perspectave Train University of the Polative Perspectave Train			
Skills Test	<ul> <li>Week 2: Students should complete skills test one point perspective drawing of a train and all its details using the skills they have learnt.</li> <li>In the case of this drawing the vanishing point has been moved and the drawing gives students an opportunity to explore their own design ideas and show the skills they have learnt.</li> </ul>	Iterative Che Point Pergenciive Train     S	Test Outcome		uld complete the one point perspectiv details using the skills that they have
perspective Students wi backwards o Students sho NYC using th skills to add roads. Stude graphics tuto	<i>The second seco</i>		Parallel projection, mathematical shapes, vertical, horizontal, one point perspective, rendering, graphics, vanishing point, horizon	Lesson Objectives / (Nodeu Dragu)      Pois about the site of use and unit of the soft descent of the submit of the soft descent of the soft descen	to draw more complex

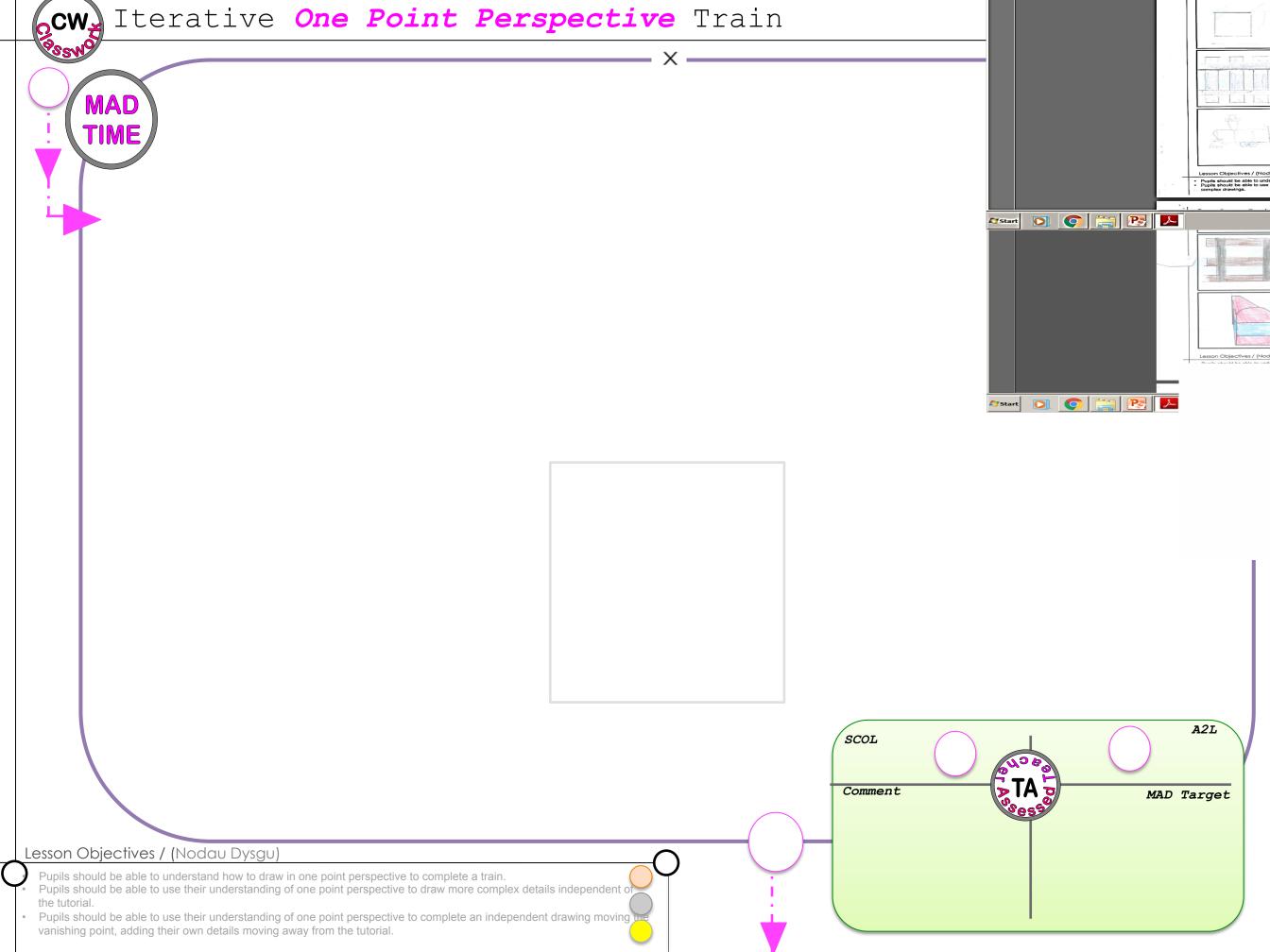
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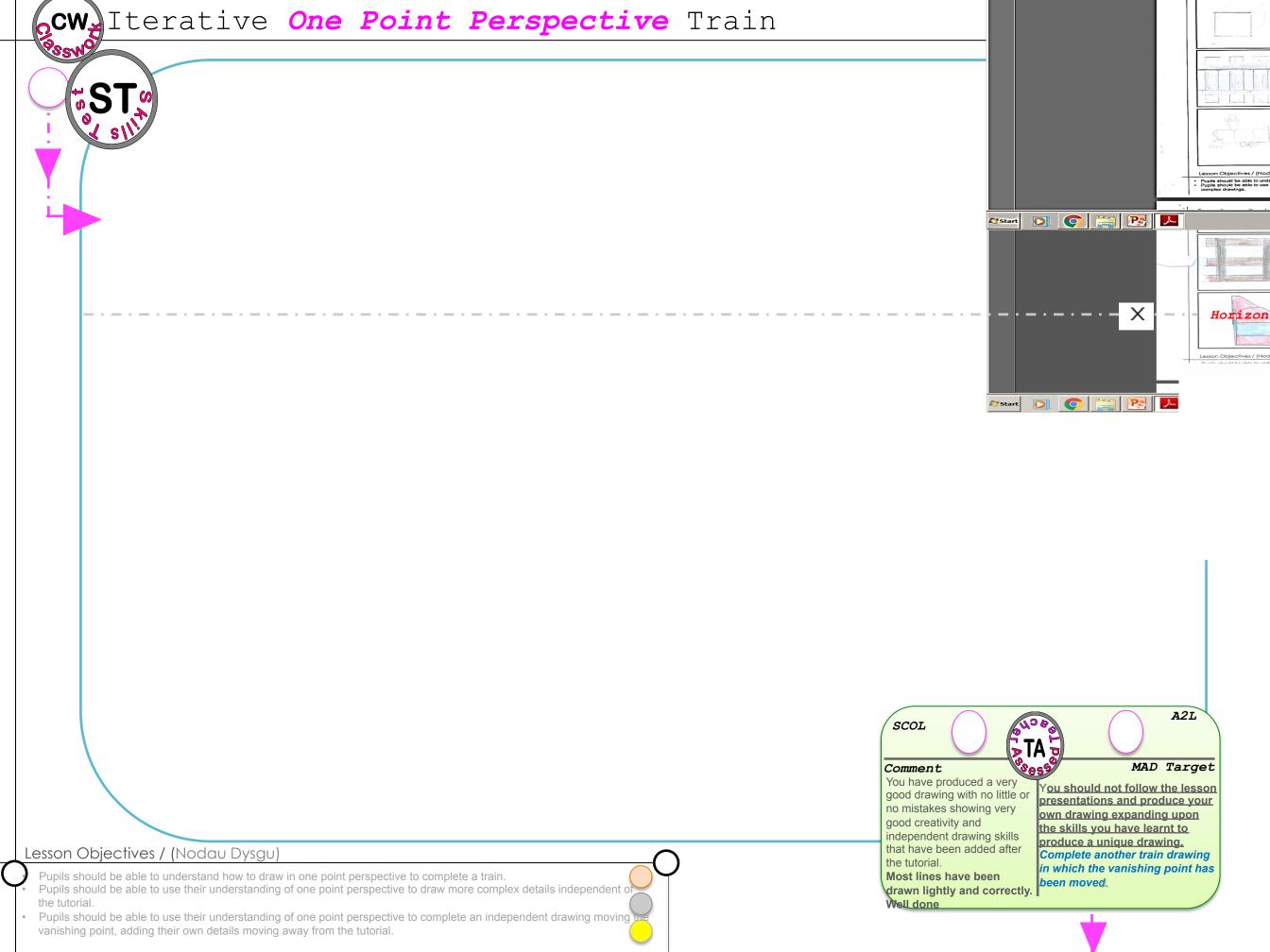
## KS4 Graphics Learning Plan: One Point Perspective

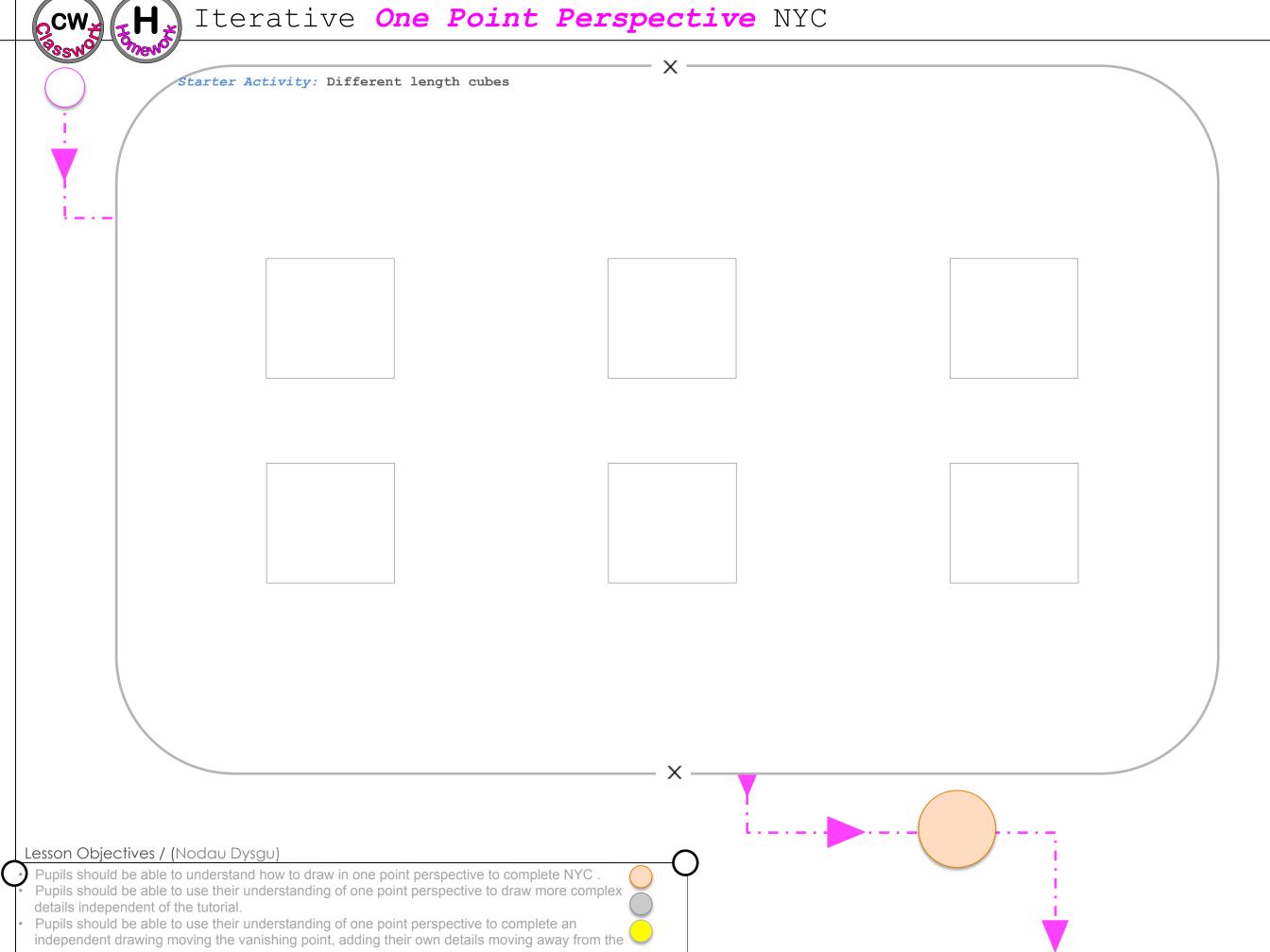


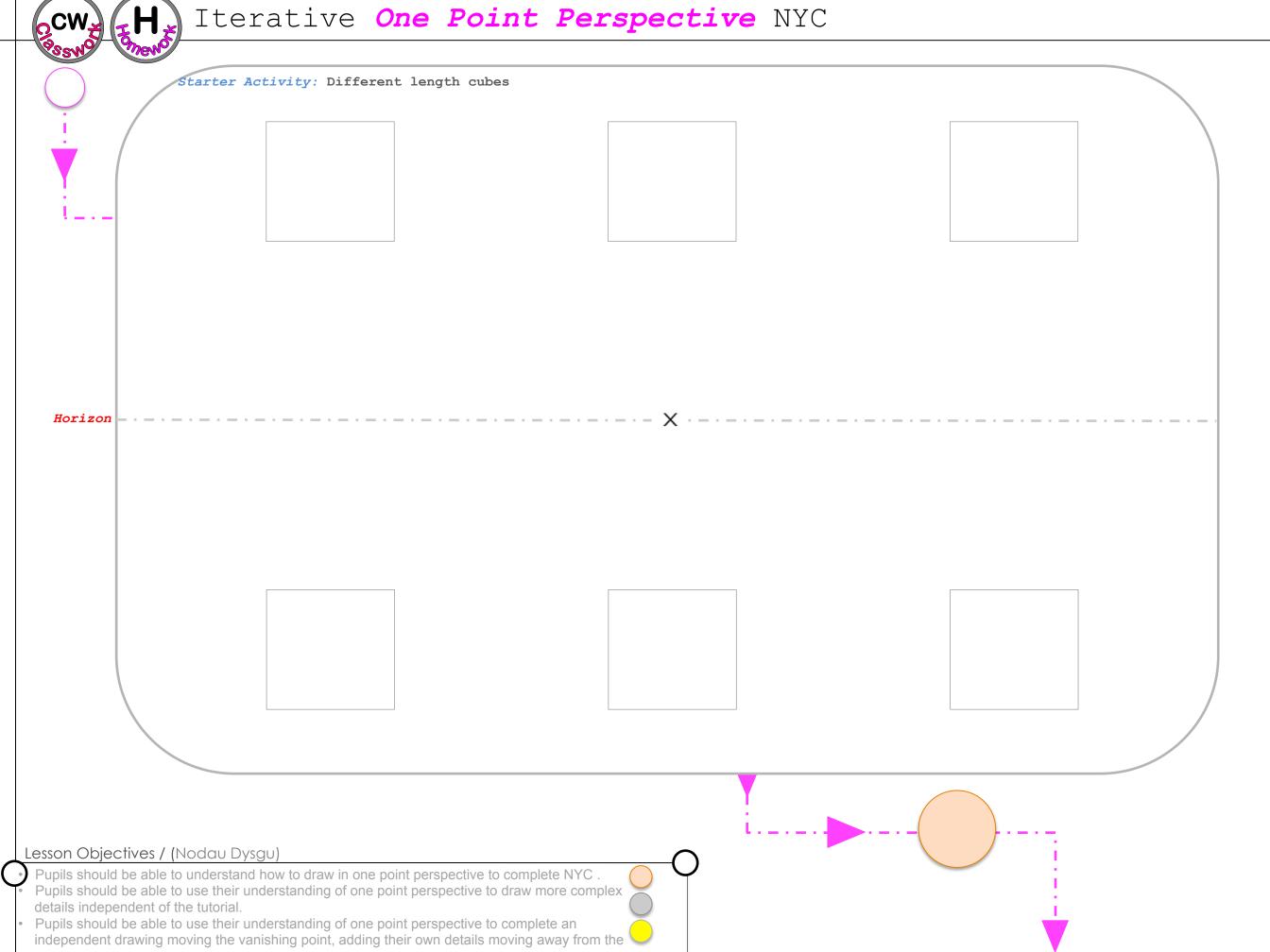
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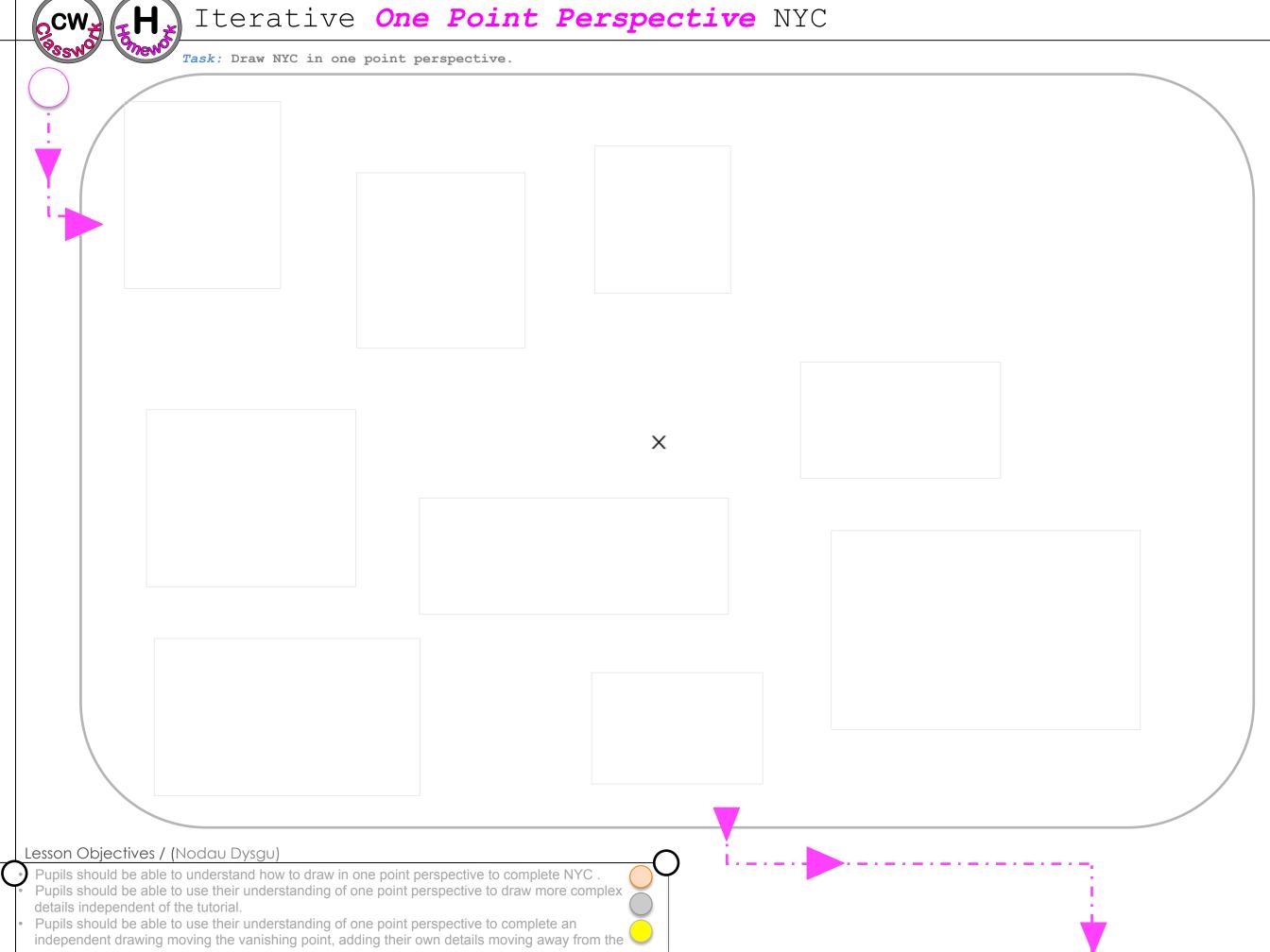


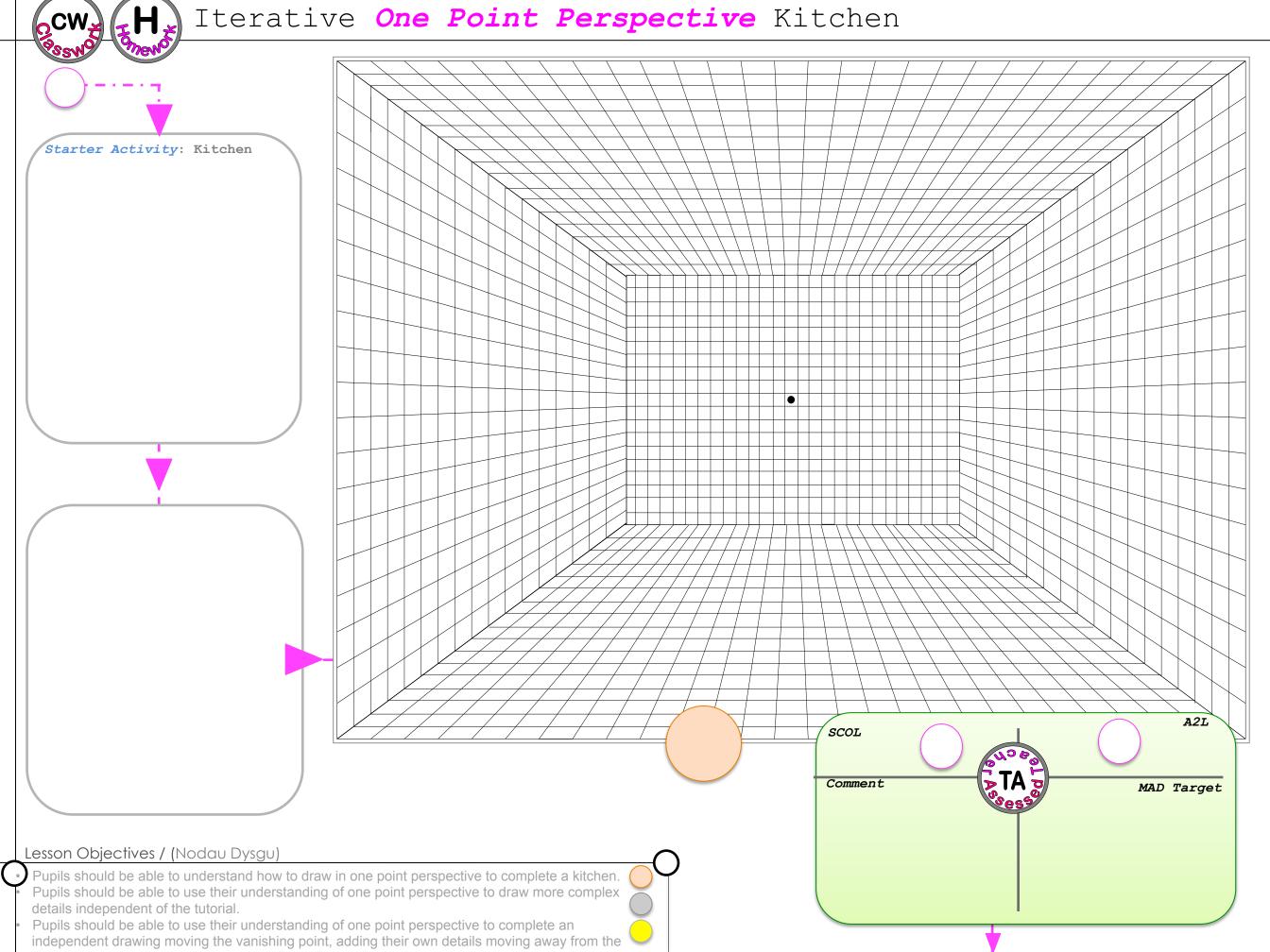




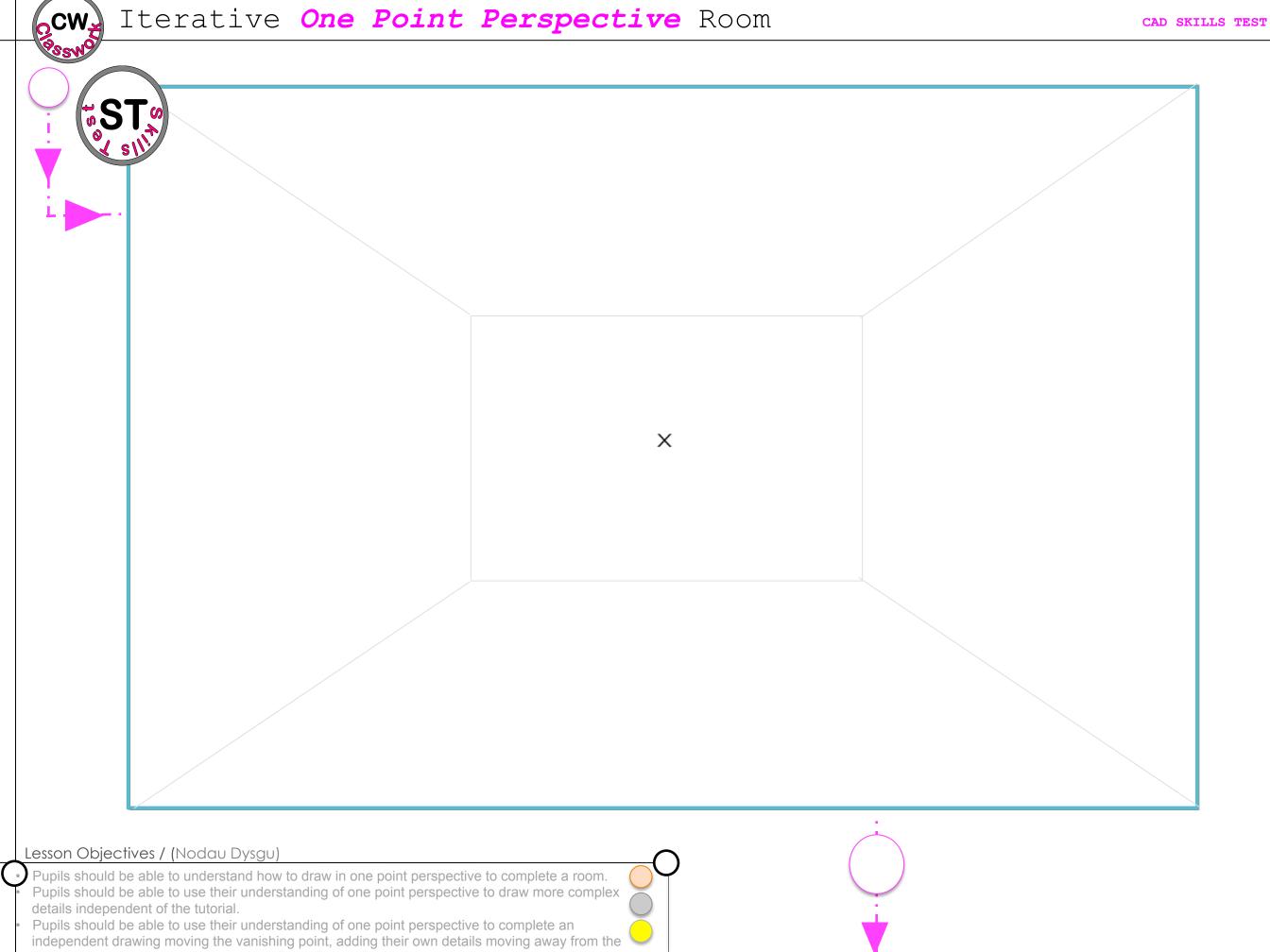


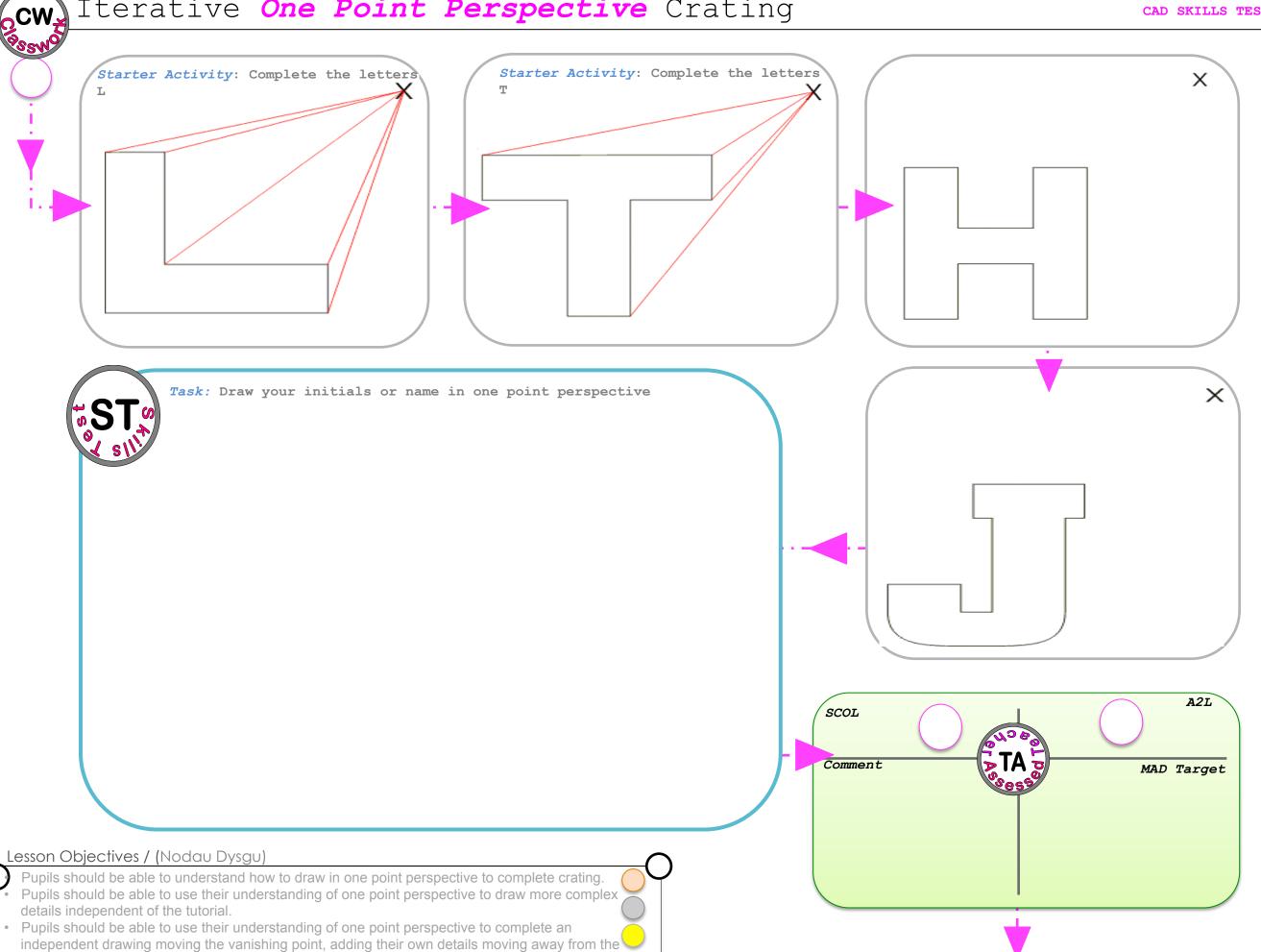






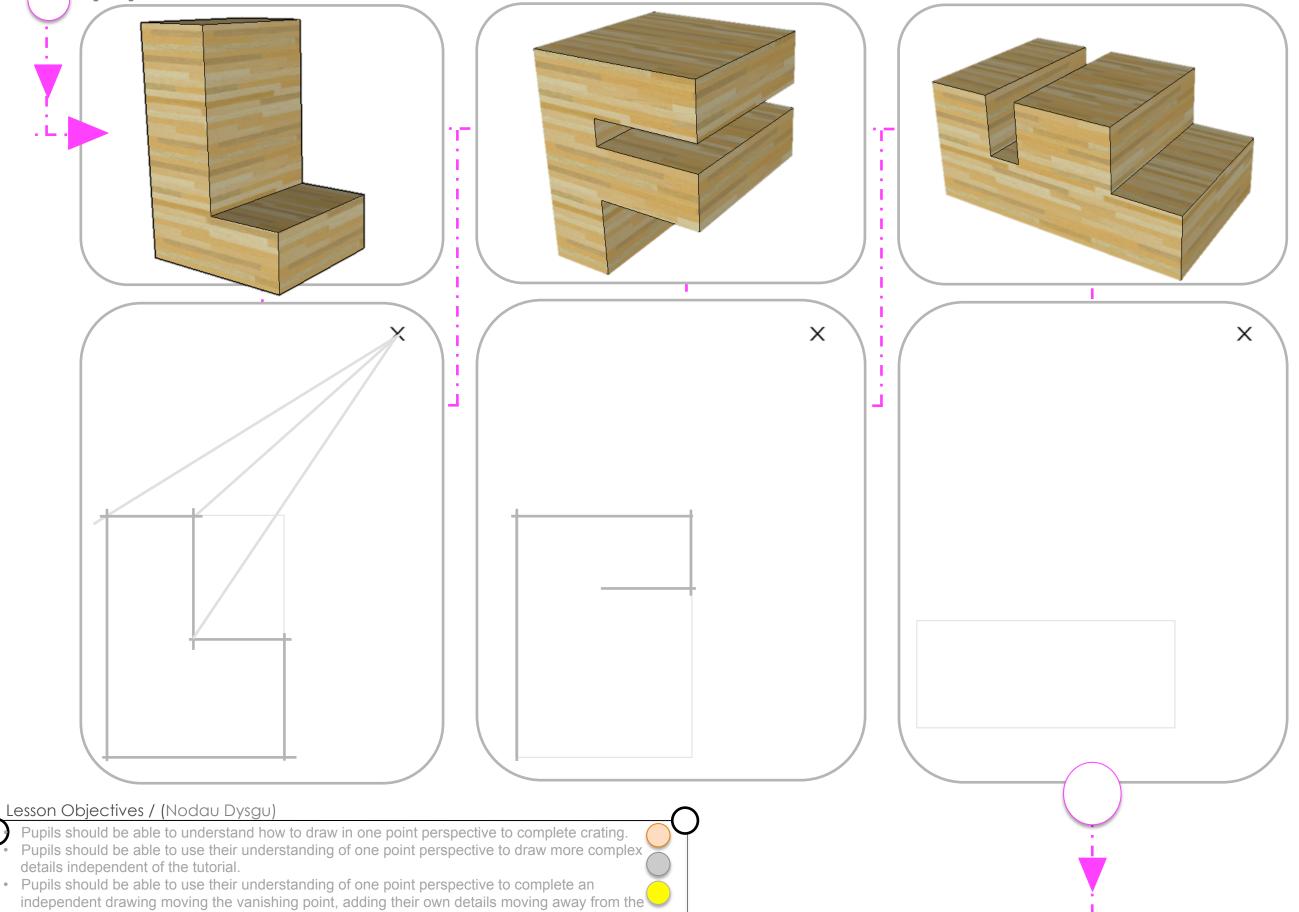
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on Objectives / (Nodau E ils should be able to understa	/sgu) d how to draw in one point perspective to complete a kitchen. Inderstanding of one point perspective to draw more complex	( )





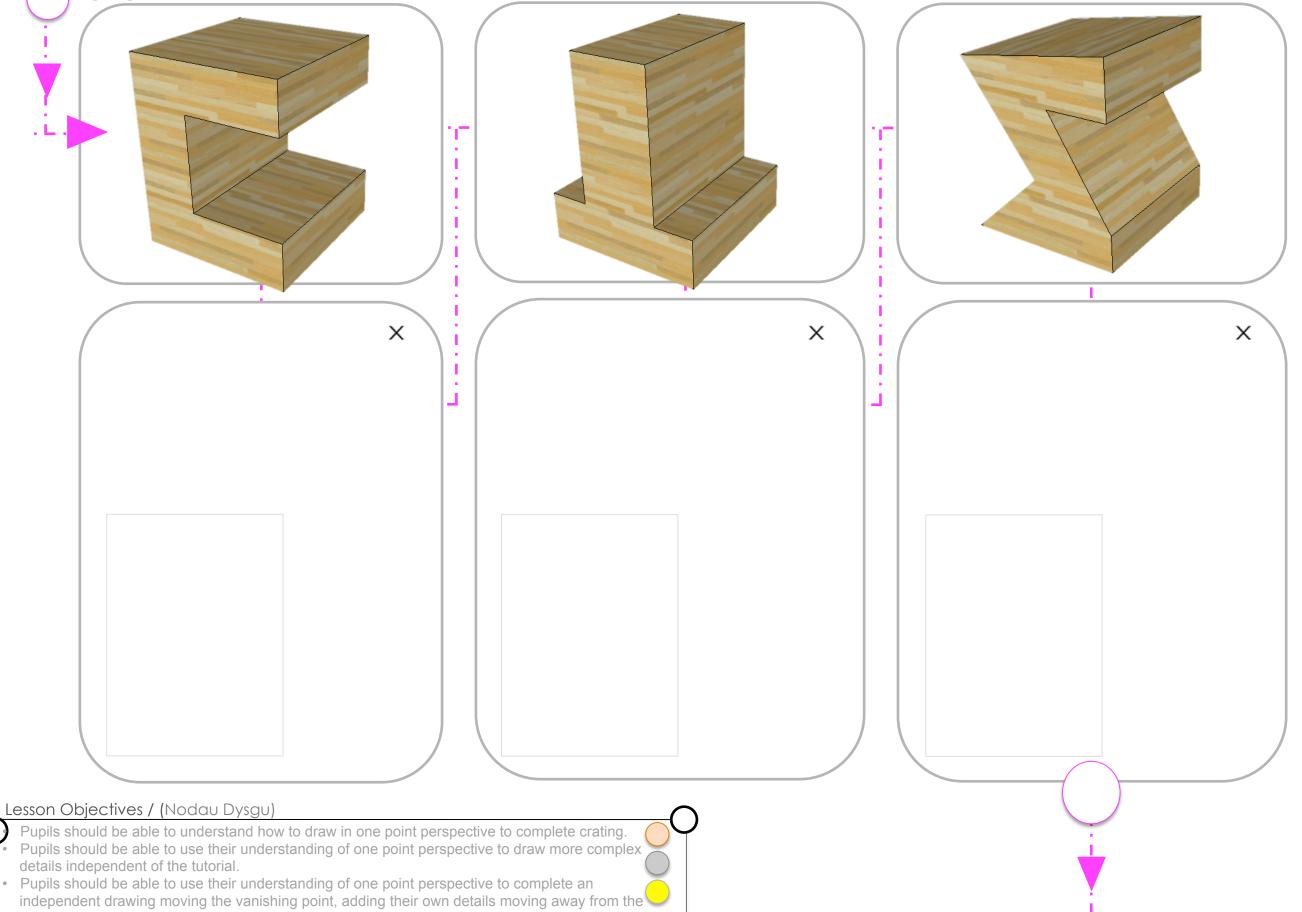


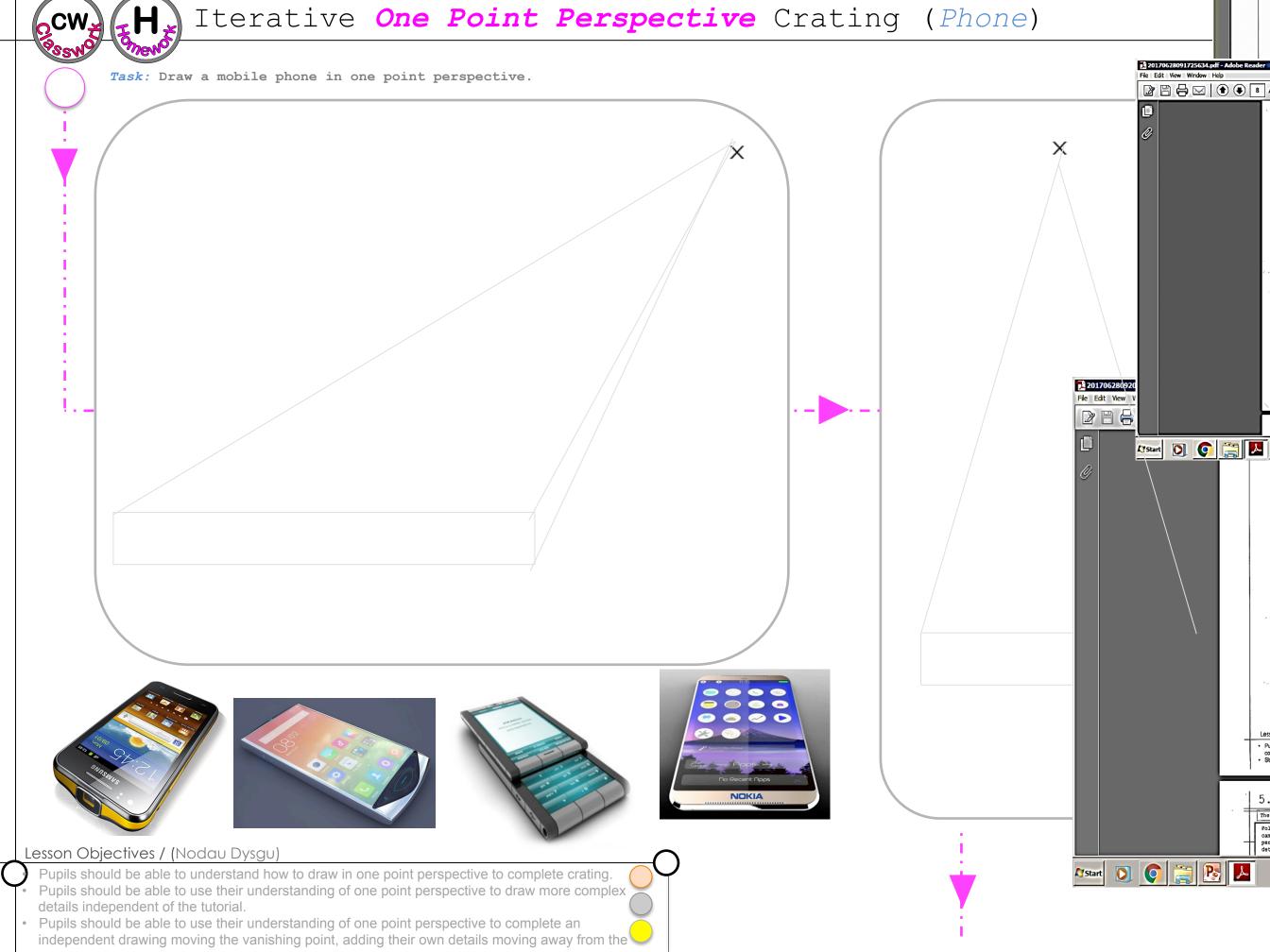
Task: Draw the wooden blocks shown in one point perspective.

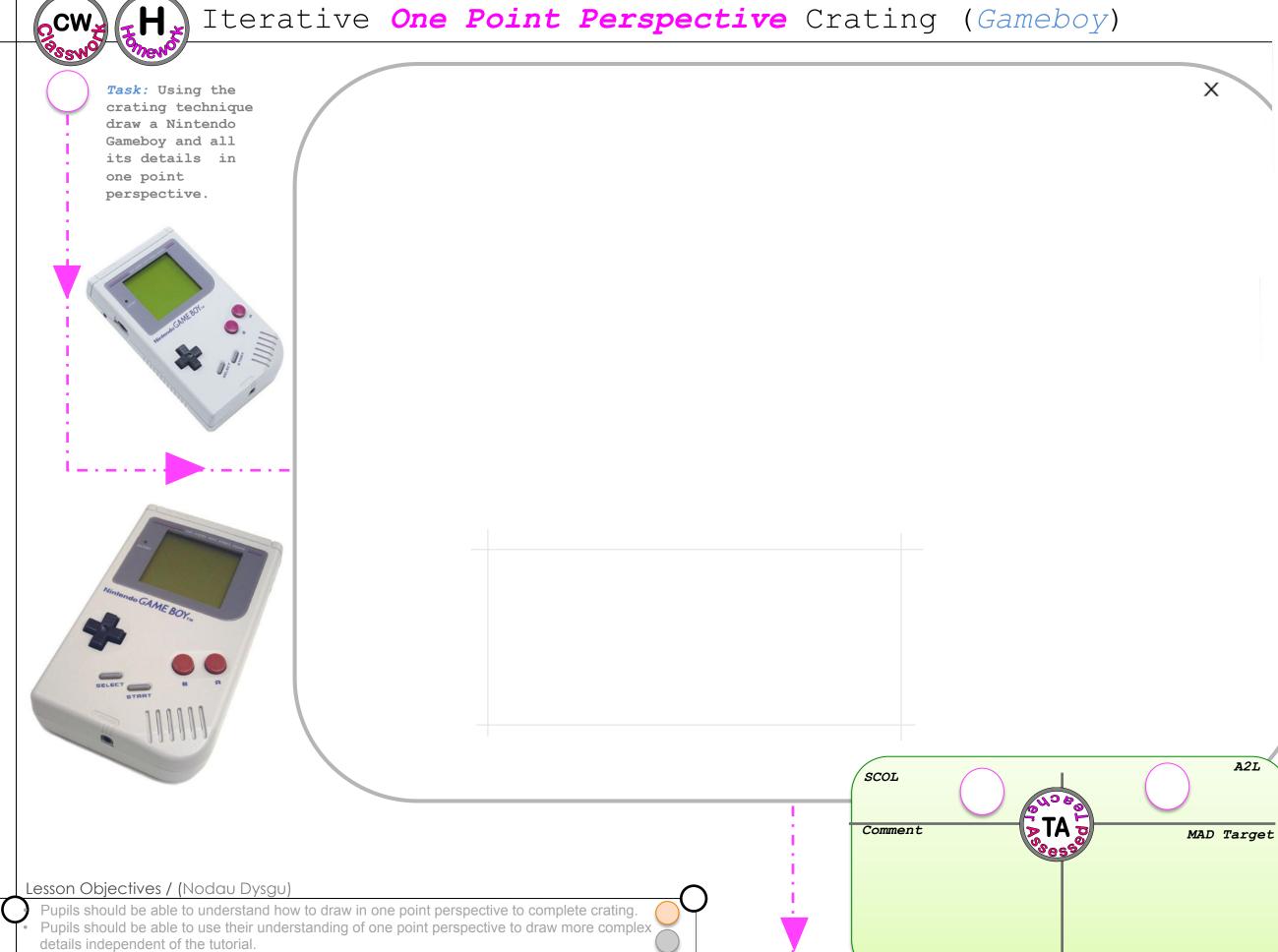


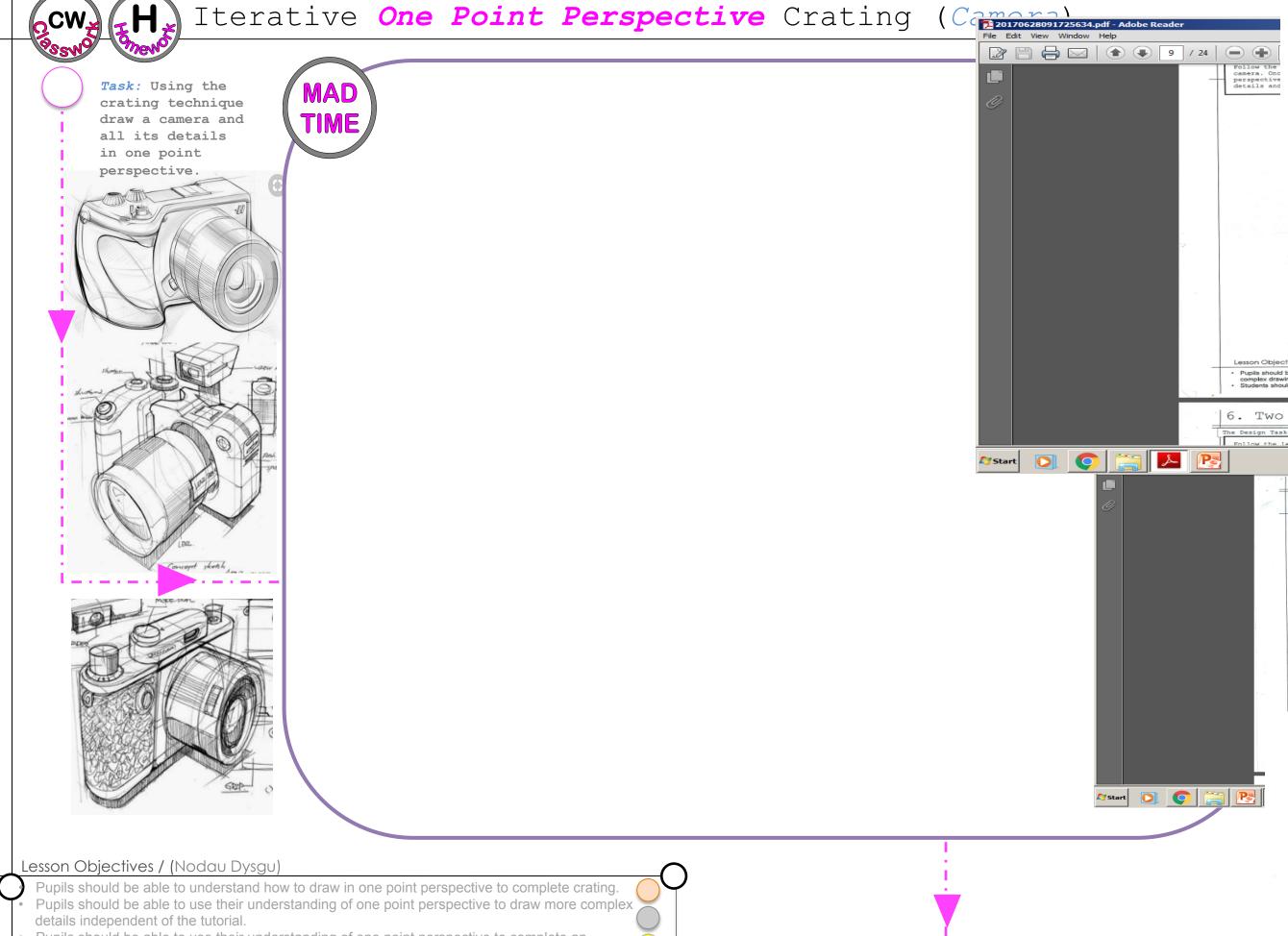


Task: Draw the wooden blocks shown in one point perspective.







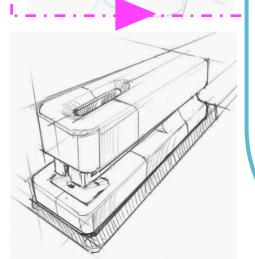




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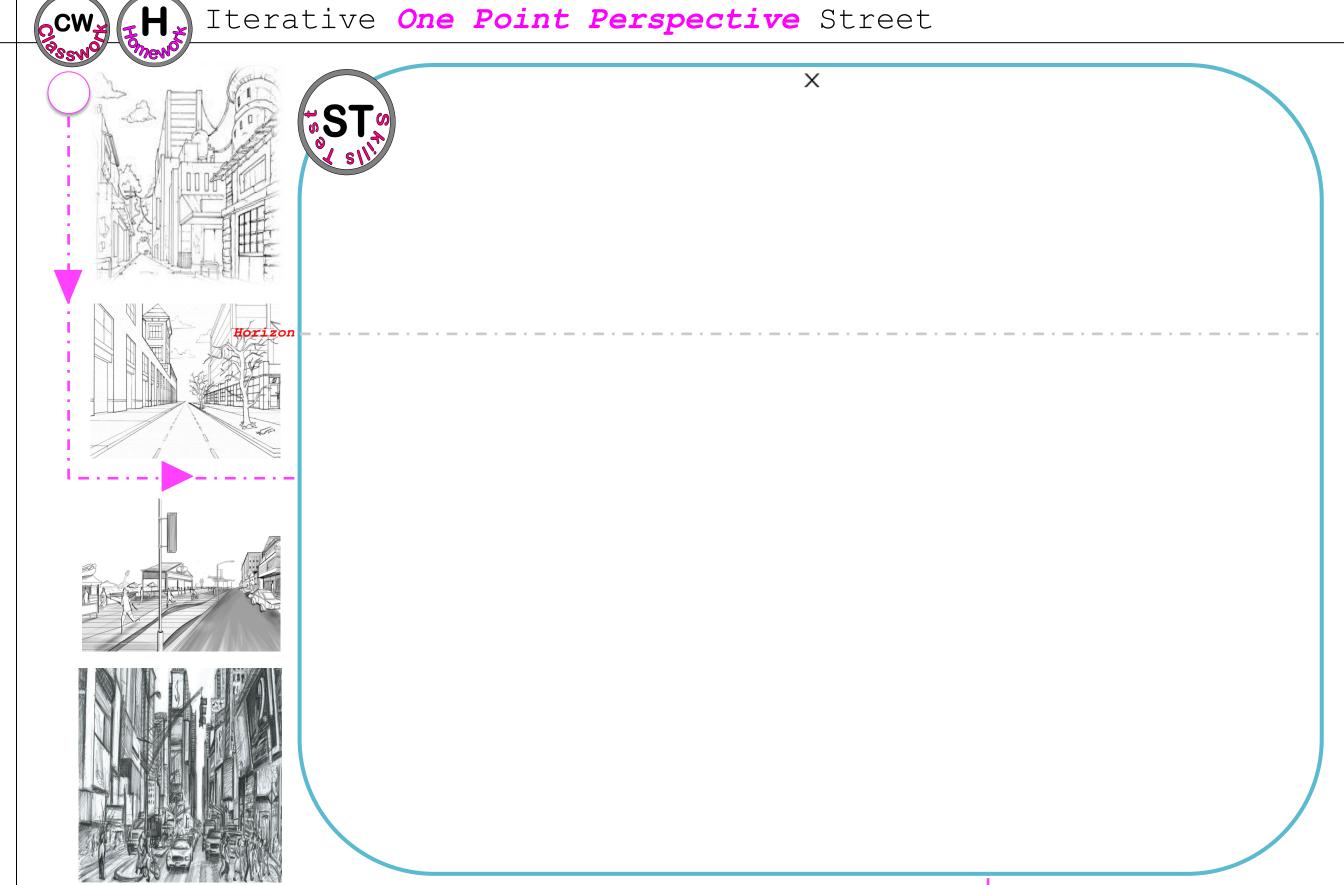
Task: Using the crating technique draw everyday objects and all their details in one point perspective.





#### Lesson Objectives / (Nodau Dysgu)

Pupils should be able to understand how to draw in one point perspective to complete crating. Pupils should be able to use their understanding of one point perspective to draw more complex details independent of the tutorial.



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