

Year 7 - Homework book

Name _____

Class _____

Teacher _____



Home work task 1: Health and safety



Task

In class you have learnt about the four different health and safety signs.. Explore the world around you (safely!) and look at where you have seen each safety sign. Explain when you saw the sign and why it was there.

Red Danger signs

Yellow Hazard signs

Green safety signs

Blue Mandatory signs

Home work task 2 – Spelling test 1



Task

Learn the following spellings for a test next week

1. **Design**
2. **Technology**
3. **Safety**
4. **Equipment**
5. **Machine**
6. **Hazard**
7. **Mandatory**
8. **Prohibition**

Home work task 3 – Independent research



Task

In Design Technology, we often look at different artists and designers to inspire our work. Research Pop art and the artists who created Pop art. In your work include images, information on the art and notable artists and your personal opinions of their work.

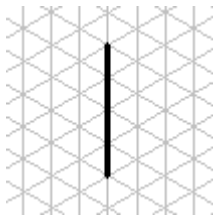
Home work task 4: Isometric grids



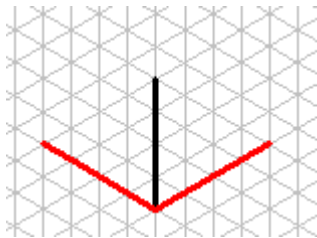
Task

In 2D design we learnt how to use the program to complete isometric sketching. Draw five accurate cubes then create two of your own shapes using the isometric grid.

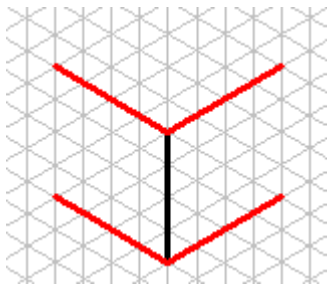
How to draw cubes on isometric paper



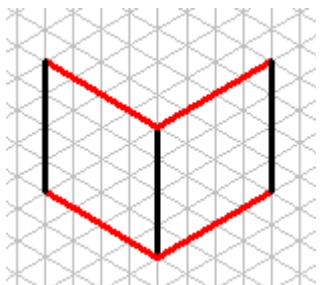
Step 1. – Draw your line down a straight line



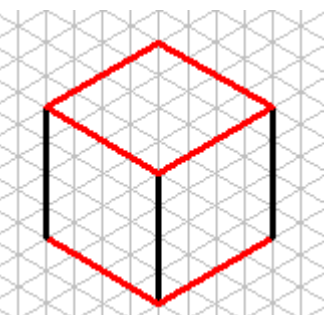
Step 2. – Draw our line out from your first line following the angle of the lines on the paper.



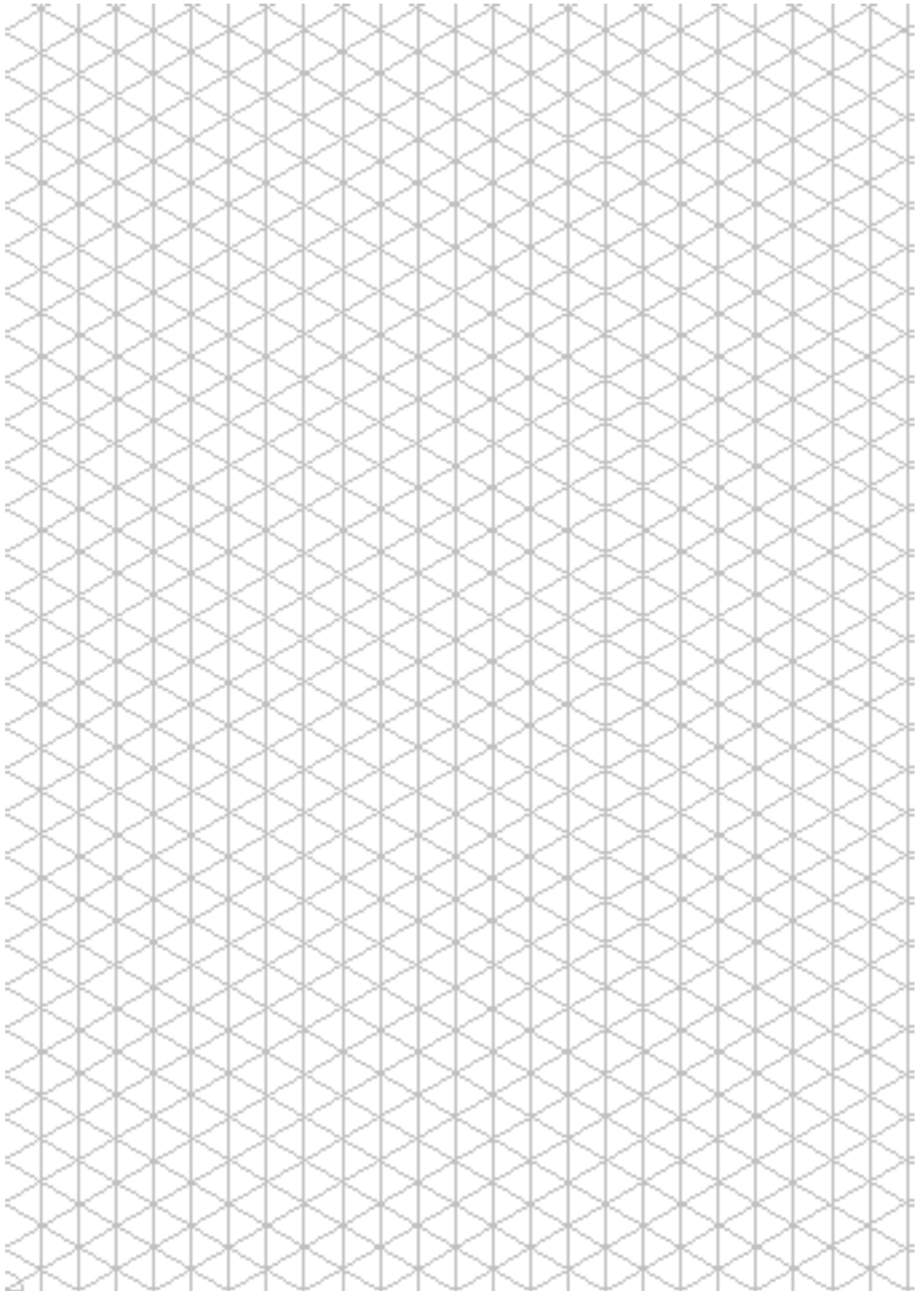
Step 3. – Repeat step 2 but do this at the top of your original line



Step 4. – Connect these lines with a line running from top to the bottom.



Step 5. – create the top of the cube by drawing two lines similar to how you drew the bottom of the box, but going in the other direction. Remember to follow the lines on the isometric paper!



Home work task 5 – Spelling test 2



Task

Learn the following spellings for a test next week

1. **Jig**
2. **Tenon saw**
3. **Coping saw**
4. **Vice**
5. **Goggles**
6. **Equipment**
7. **Apron**
8. **Accident**

Home work task 6 – Drawing techniques



Task

In Design Technology, we use drawings so that we can show our work to others so that they can understand them. To improve your drawing techniques, complete the following tasks.

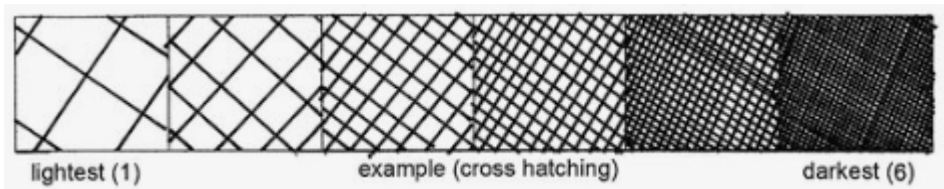
1. Practice your use of **tone** by shading each box from Light to dark. Each box should get darker than the last as you go.

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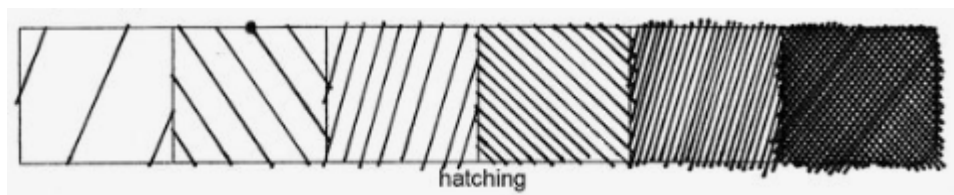
Lightest

Darkest

2. . When drawing we often want to show **texture** to make our products look more realistic. Practice drawing textures by copying each of the boxes below.



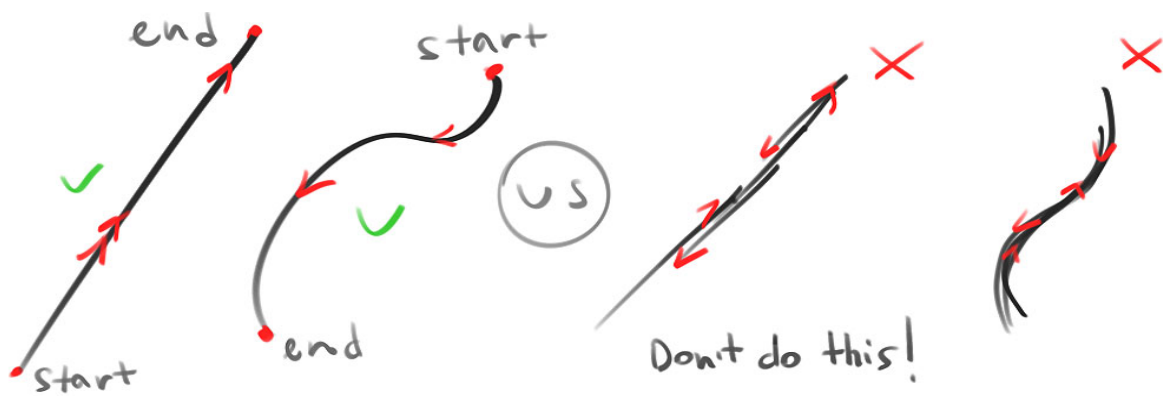
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3. . When drawing our lines should be confident and clean, they should not be fuzzy! Practice drawing smooth, straight lines below.

Example



Home work task 7 – Spelling test 3



Task

Learn the following spellings for a test next week

1. **Pillar drill**
2. **Belt sander**
3. **Quality**
4. **Control**
5. **Accurate**
6. **Finished**
7. **Rendering**
8. **Annotation**

Home work task 8 – design research



Task

Designers are often influenced by popular culture and by what is trendy at the time when they are designing. Research popular trends in the market and explain who they are aimed at and why. Include drawings of these products with your explanations.

