

SECOND YEAR



TECHNICAL DEPARTMENT



GREENFAULDS HIGH SCHOOL

This booklet belongs to:

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Class:..... Teacher:.....

Homework 2019-2020

Second Year Technical Department

Each month you will be given a different homework task. The date it will be due will be given out by your teacher you will have a week to complete it. You may be required to research certain aspects and will need access to the Internet. If you don't have this access at home, then you can use the department ones at lunchtimes.

Each month you will require to get your guardian to sign it at the end as well.

Good Luck and Enjoy!

		COMPLETED
TASK 1	SKETCHING 3D OBJECTS	
TASK 2	COLOUR THEORY	
TASK 3	RENDERING 3D SHAPES	
TASK 4	CAD COMMANDS	
TASK 5	PERSPECTIVE SKETCHING	
TASK 6	DTP	
TASK 7	ARCHITECTURE	
TASK 8	ORTHOGRAPHIC	
TASK 9	DESIGN TASK	

S2 Homework - Please Return to your teacher

I understand what is being asked of myself over the course of second year and I aim to do my best for each homework task and hand it in on time.

Name: date: pupils signature:

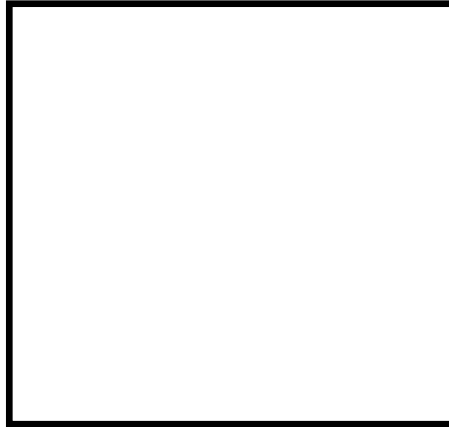
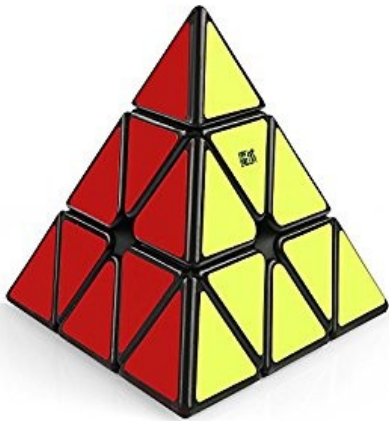
Parents signature:.....

Task 1

Date Due:.....

Parents signature.....

Below is a number of 3D shapes, your task is to copy them to fit the box given. This will be looking at scale and proportion - make sure it looks correct.



Task 2

Date Due:.....

Parents signature.....

Make use of the colour wheel you done in First year to answer the questions below:

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Colour the boxes in with two colours that HARMONISE with each other

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Colour the boxes in with two colours that CONTRAST with each other

Next to the coloured boxes below, write down 3 feelings that each colour can convey. For example **Green can mean calm, natural, safe.**

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Research into what the following colour palettes stand for:

CMYK:

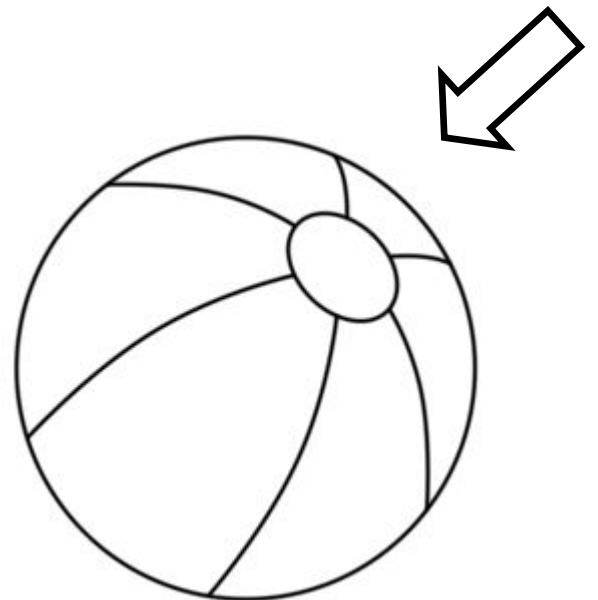
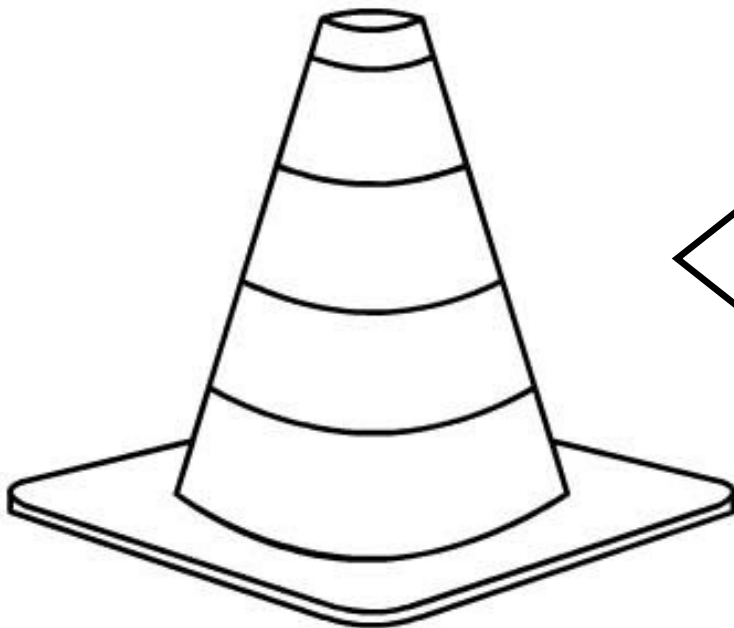
RGB:

Task 3

Date Due:.....

Parents signature.....

Below are outlines of 3D shapes, make use of the tonal scale and apply light to dark on each shape. The light direction will be shown by the arrow.

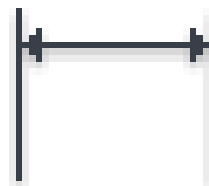
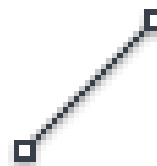
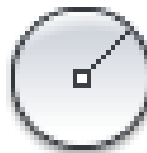


Task 4

Date Due:.....

Parents signature.....

Below is commands that you can use in Inventor Professional when CAD modelling. Write next to each command what you think the symbol stands for.

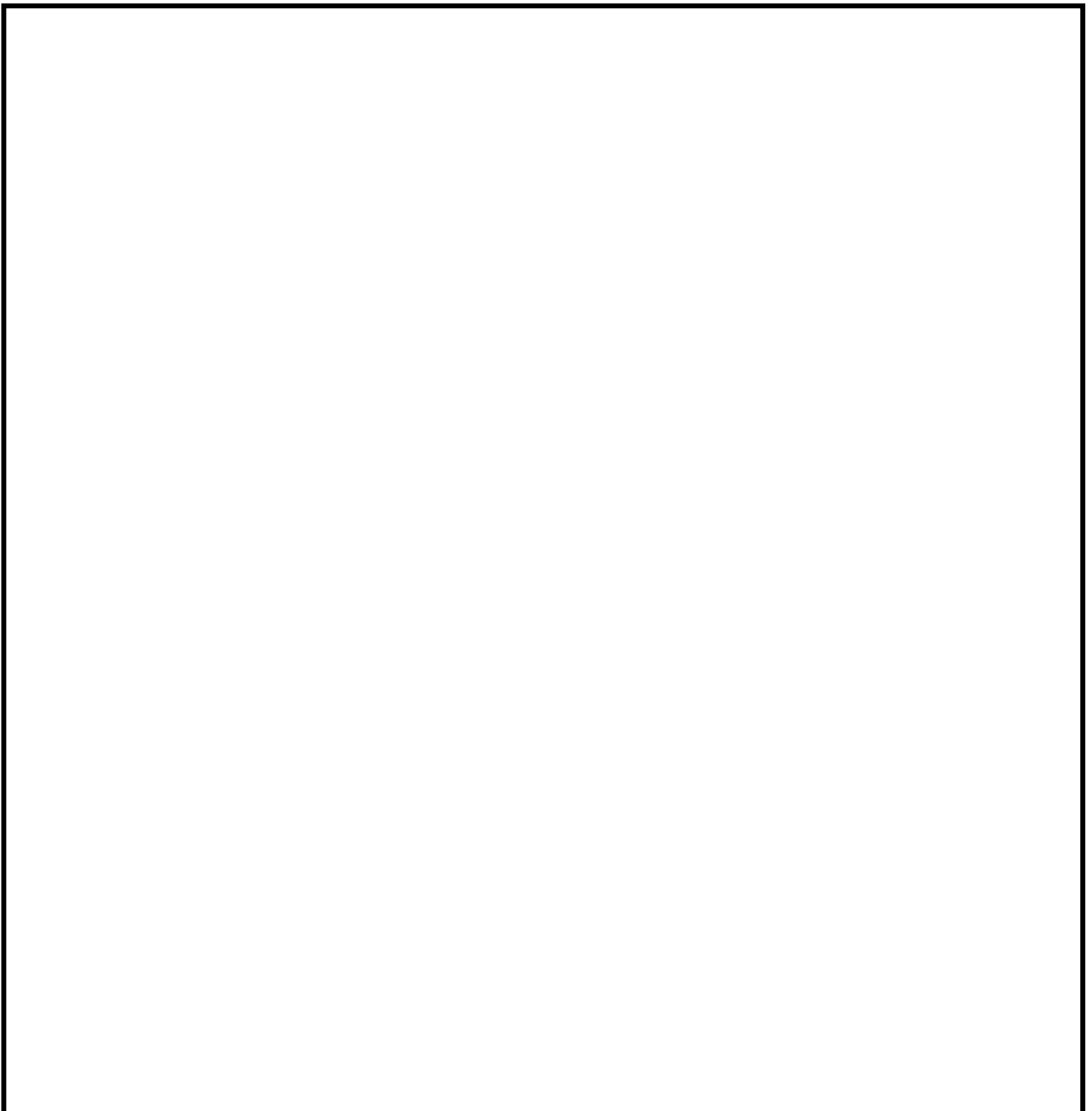


Task 5

Date Due: Friday 23rd November

Parents signature.....

In the space below you have to create a 1point perspective “house of your dreams” which should include the basics of windows and doors. The rest is up to your imagination - it could include balconies, roof top swimming pools,etc...

A large, empty rectangular box with a black border, intended for a student to draw a house in one-point perspective. The box occupies the lower two-thirds of the page.

Task 6

Date Due:.....

Parents signature.....

Below is a word bank that includes several Desk Top Publishing features that need to be considered when designing an advert. Your task is to annotate around the advert that has been given , using all the words out of the word bank.

ASHLEIGH FELTHAM, APD
Ashleigh is the owner of Feed Your Future Dietetics. She has a Masters of Nutrition and Dietetics and a Bachelor of Human Nutrition and believes everyone deserves to live a life of health and wellness. Ashleigh is passionate about helping people achieve their highest quality of life through nutrition, mental health and exercise. To learn more about Ashleigh visit <http://FeedYourFutureDietetics.com> or www.HoodandHealth.com

FAMILY FRIENDLY FAST FOOD

Nutrition expert Ashleigh Feltham provides these tips for healthy eating on the go.

Fast food can sometimes be an inevitable option, so here are a few tips to get you and your kids through the drive through without driving over your health.

Set rules to choices
Before entering the fast food shop or drive through let your kids know of the options available. Give choice of a few options but set these as the ONLY options (e.g. salad or apple pieces). It is important to give options which are both close to the desired healthier choice and not options like chips or salad.

Educate yourself as the parent
Most fast food restaurants have an online website with the nutritional content of the meal items available. If you have time, browse over their main options and see which would be the best in terms of energy content, then if there is time look at the fat content, generally aiming for less than 10g/100g and less than 3g/100g of saturated fat, also sugar, checking if over 15g/100g check that sugar is not listed as an ingredient. Most fast food restaurants will contain a lot of sodium, but if possible aim for sodium less than 120mg per 100g as best or 400mg per 100g as good.
If you do not have time or access to the website then make choices based on foods which are NOT deep fried but grilled or roasted. Whole foods like apple pieces or salads, bean burritos or wraps, low fat yoghurt or milk are better options.

Think about how MUCH is ordered
Instead of choosing a large meal or upgrading to a super-size because of the value for money benefit, try a burger with a small chips and large salad instead with a low fat milk or soda water. The large salad option is not only lower in energy gram for gram than chips generally, but also contains more nutrients to help the body function at its best but also contains more fibre, which helps the body feel full and fuller for longer than a large chips.

Prepare meals and snacks and avoid the fast food trap altogether
The best option is always to avoid the fast food restaurant if possible. Preparing food in advance will not only save the battle of struggling with your kids to select the better choices for health over the not so healthy options, but also will save you money!
Meal options which can be prepared in advance could be a low fat cheese and vegemite sandwiches made on multigrain or whole meal bread, long life low fat milk or juice with no added sugar poppers, sliced apple or pear pieces (if you sprinkle some lemon juice on top this helps the fruit not go brown), banana, small bags of nuts, low fat cheese sticks with wholegrain crackers or sliced carrot with hummus or cottage cheese as a dip. You can pre-prepare some salads, adding favourite veggies with some low fat cheese or dressed with olive oil and vinegar. Being prepared can lead to success as you can select healthier food and drink alternatives while also being able to keep your kids happy as you will have the healthier options which your kids will actually eat!

Reference: www.eatforhealth.gov.au

YIMCA SUMMER 2017 YIMCA HEALTHY LIVING MAGAZINE 7

HEADER	FOOTER	MARGIN	COLUMN	DROPCAP
GRAPHIC	CROP	SUBTITLE	GUTTER	TEXT WRAP

Task 7

Date Due:.....

Parents signature.....

In the table below, there is a list of symbols that can be used in architectural drawings in a floor plan.

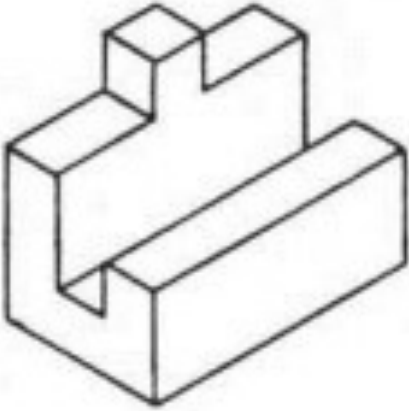
Complete the table by drawing what the symbol looks like. You may use the internet for help.

DOOR	
WINDOW	
SINKTOP	
SOCKET	
SWITCH	
RADIATOR	
SHOWER TRAY	
WC	

Task 8

Date Due:.....

Parents signature.....



Shown is an isometric view of a complex shape. Your task is to put this shape into an *Orthographic Sketch* - ensuring you have elevation, plan and both end elevations completed.

PLAN

END ELEVATION

ELEVATION

END ELEVATION

Task 9

Date Due:.....

Parents signature.....

A design task is given below along with a specification. Your task is to create 4 design ideas that meet the information given. You then have to select one of your ideas and tell us why you have chosen that design. You need to make sure you have colour to your design.

Good Luck!

DESIGN BRIEF

A new furniture company called “OAK4U” are starting up locally and are looking for you to design an advert to help their business kick off. They are looking for it to be eye catching and to be aimed at the mid to high end of the market.

They are also wanting a logo to be incorporated on the advert that they want you to design as well.