## Design project ideas

### THE BUILT ENVIRONMENT

# **Architectural Design**

#### **Monumental Task**

Design Statement Monuments and memorials can make a focal point for public

parks. There are a great range of monument designs from the Art Deco war memorial in Hyde Park, Sydney to the Vietnam War Memorial in Washington DC, USA. Each has its own presence and impact on the viewer. Monuments can be buildings, walls,

fountains, sculptures or pools.

Design Task Design a public monument which commemorates a person,

group, or event of local importance. Specify location, materials it

is made from, its size and any text to be included.

Teacher Prompts Study a range of monuments, their effectiveness, and

construction materials as design related content. Communicate

designs through drawing two rendered side views.

### **Bushwalker Hut**

Design Statement Not all designers of buildings wear the name 'architect'.

Traditional cultures use the building materials and methods available to them. Their buildings become as much a reflection of their culture as story-telling and dance. This kind of architecture is known as 'vernacular design'. Australian vernacular design was born out of necessity of making do in the bush during the time of the early settlers. The legacy of this design continues today. Although there are stricter building codes, some of the sense of 'making do' can be incorporated into more modern designs.

Design Task

Design a bushwalker's hut that could provide basic shelter.

Specify the location and the kinds of materials available that could be used for the different parts of the hut, particularly for structure and cladding. Communicate your design by sketches, front and side views, a location photo, and samples of possible building

materials.

Teacher prompts Study vernacular design and Australian vernacular design as

design related content. Communicate designs through sketches,

models and material samples.

### **Streetscapes**

Design Statement "Safety research has drawn a correlation between street patterns,

building location and design with the incidence of crime." The proper design and effective use of the built environment can lead

to a reduction in the fear of incidence of crime and an

improvement in the quality of life.

Design Task Design a streetscape to nurture a healthy and safe living

environment.

Teacher Prompts

Discussion could include gardens, street lighting, car spaces,

playgrounds, and parks. Source

http://www.ipe.nt.gov.au/whatwedo/planning/ybe

http://www.australianstreetscape.com.au/

### **Hospital Rec. Room**

Design Statement For whatever reason, teenagers can be in hospital for extended

periods of time. The need for dedicated hospital facilities for adolescent patients has been proven to aid the healing process. Research has revealed five factors as being an essential part of

the recovery process, they are:

Peer contact

Privacy

Mobility

Independence

Educational continuity

Design Task Design a hospital recreation space for adolescent inpatients that

addresses these factors.

Teacher Prompts Remember wheel chair access to all facilities.

# **Environmental Design**

## **Indoor Outdoor Living**

Design Statement Outdoor entertaining is an essential part of Australian living.

External spaces are designed as extensions of the interior they flow from. Details like stone and marble elements, elaborate lighting systems, ceiling beams and exterior art are popular for

enhancing outdoor spaces.

Design Task

Design and create plans for a living area that connects and flows

seamlessly from indoor/outdoors, creating one living space.

Teacher Prompts Indoor-outdoor pools, French doors, moving floors, natural

elements, garden walkways.

#### **Water Features**

Design Statement Feng shui (pronounced fung shway) is the ancient Chinese

system of arranging environments to maximise their internal harmony, and the happiness of the people who use them. According to Chinese feng shui, water in the garden attracts and refreshes energy and water features are more popular than ever.

Design Task

Design a water feature to enhance your living environment.

Teacher Prompts Discussion could include internal or external environments, use of

natural resources such as bamboo or recycled materials.

Source:

http://www.bhg.com.au/gardening.nsf/Content/BHG April01 Articl

e\_WaterFeatures

http://www.hgtv.com/hgtv/gl\_design\_water\_features/0,1784,HGT

V\_3575,00.html

# **Interior Design**

# Office Space

Design Statement Office ergonomics is the science of fitting the workspace

environment to the worker. Anyone who sits at a computer for long periods of time must take a pro-active approach with office ergonomics to prevent the physical problems they could face as a result. Workplace ergonomics increases worker productivity by minimizing fatigue and strain, eliminating wasted motion, and

improving comfort.

Ergonomic office solutions include adjusting and controlling the physical environment, the design of the desk and chair, the placement of the screen and keyboard, the position of the document, and the placement and intensity of office lighting.

For these reasons, an office space must be both flexible and

adaptable.

Design Task Design an office / workstation area that utilises available space

and demonstrates the principles of ergonomic design.

Teacher Prompts <a href="http://www.ergonomic-office-computer-furniture.com/">http://www.ergonomic-office-computer-furniture.com/</a>

#### **Ultimate Room**

Design Statement "Interior design concerns itself with more than just the visual or

ambient enhancement of an interior space, it seeks to optimise and harmonise the uses to which the built environment will be put." The physical environment of the room including lighting, wall and floor surfaces, space requirements and colour all impact on

the amount of use the room receives.

Design Task

Design a plan for your ultimate bedroom, creating zones for all

your needs

Teacher Prompts Source: http://www.interiors.org/what is it.asp Include spaces for

storage.

### **Restaurant Style**

Design Statement The layout of a space is not the only consideration designers

need to make when developing a successful space. The surfaces are vital in creating spaces that are inviting. Texture, colour, material and acoustics are all characteristics of surfaces. These can all make a significant impact on whether someone wants to be in the space. This is important when designing spaces such as

restaurants where creating an inviting atmosphere is so

important.

Design Task

Using an existing floor-plan of a restaurant, design its atmosphere

by specifying all surfaces. Consider texture, colour, and acoustics of your choice. Some areas will need special considerations such as water resistance and fire retardance. Make a sample board of

your materials.

Teacher Prompts Ideas from existing restaurants will be helpful. Analyse the

choices made.

# **Landscape Design**

# **Rooftop Play**

Design Statement Busy lifestyles make us value the time spent together as a family

and so the "No Mow Zone" (The Sun Herald – 14th March 2004) is

growing as families forsake backyards for apartment living.

Design Task Design a communal rooftop recreation space to be enjoyed by the

families in an apartment block.

Teacher Prompts Could include ideas such as putt putt golf courses, bike tracks,

golf driving range, lap pool.

Sources: <a href="http://www.playlsi.com/pda/pda\_300.shtml">http://www.playlsi.com/pda/pda\_300.shtml</a>

#### **Skate Park**

Design Statement Providing a place where kids can "hang out" with the knowledge

that they are safe and still having fun is the concern of most families. Creating a balance between the needs of the community and protection of the environment often creates a problem.

Design Task Design a skate park to blend into the natural surroundings of your

local area. Create a plan to submit to local council for approval.

Teacher Prompts Students could look into safety features, physical properties and

environment features - they could include rest areas, skateboard

racks, safety fencing, security lighting.

#### **Golf Game**

Design Statement Golf courses require careful design. Many undergo revision even

years after they are developed. Using all the space effectively

whilst separating fairways is important.

Design Task

Design a golf course to be made on a given land area. Make

particular consideration of flow between holes, water, drainage,

lengths of holes, tree types, and any hazards.

Teacher Prompts

Students could write their own design brief outlining all the design

considerations before they attempt any design work. A visit to a golf course would be helpful. The topography of a vacant land

area would be helpful to provide to the students.

#### **Garden Themes**

Design Statement Good landscape design can significantly improve the building's

appearance by adding warmth, liveability and personality. It can also relate a building to its site and environment and give it the desired degree of dominance. A well-designed landscape is a pleasure to the family, enhances a community and adds to the

property's resale value.

Landscape design involves much more than placing trees, shrubs and other plants on the property. It is an art, which deals with conscious arrangement or organisation of outdoor space for

human satisfaction and enjoyment.

Design Task

Design a themed landscape for an identified area.

Teacher Prompts Some of the major goals include: Organising and developing the

site for maximum use and pleasure. Creating a visual relationship between the house and the site. Reducing landscape

maintenance to a practical level.

Source: http://aggie-

horticulture.tamu.edu/extension/homelandscape/home.html

http://www.curriculumsupport.nsw.edu.au

#### Theme Parks

Design Statement Theme parks draw tourists and local communities together. They

provide hours of fun and enjoyment for all ages. In large cities the challenges is to incorporate recreation facilities into the built

environment.

Design Task Design a water recreational theme park that reflects an

orientation to nature and will result in a well used space.

Teacher Prompts Idea; wade pools, wave pools, slides, tube rides, river rides and

more.

### **Mosaic Stepping Stone**

Design Statement In today's stressful society we are all looking for ways to improve

the quality of our lives. Stepping into a garden is a wonderful way to relax and restore inner peace. Art is also useful in reducing stress because it draws us outside of ourselves. Bringing the two together, placing art in the garden, can be a magical combination. It adds sensory stimulation, visually through colour and form or through texture. Art can also provide movement and sound by incorporating the natural elements. Every garden depends on natural elements such as rocks, water, pebbles and plants. To reveal the beauty of these elements we need to isolate them or display them effectively. A pathway of stepping-stones gives

interest and intrigue to any garden.

Design Task Design a collection of mosaic stepping stones or a piece of

outdoor art embracing these natural elements.

Teacher Prompts http://www.hgtv.com/hgtv/gl design patios decks/article/0,1785,

HGTV 3568 2655494,00.html

http://www.burkesbackyard.com.au/2001/archives/2001 archives/home among the gum trees/making and mending/mosaic ste

pping\_stones

http://www.houseandhomeonline.com/garden12991.html

## Structural Design

#### Tree House

**Design Situation** The clearing of lands for construction can lead to the loss of

wildlife habitats, erosion and sedimentation associated with the

use of heavy machinery, loss of native plant life, and contamination of soils and surface and groundwater.

However, proper design and planning can help reduce these impacts. Build infrastructure associated with coastal dependent land uses has impacts on coastal landscape, environmental and sustainability values. The objective is to ensure that any future built form is sensitively located, ecologically sound so that loss of

habitat, loss of amenity and potential erosion is minimised.

Design and produce plans for a house that hovers above the Design Task

terrain and minimises intrusion on the site.

http://www.bluescopesteel.com.au **Teacher Prompts** 

## **Bridge Building**

**Design Statement** Bridges are a very common structure that we use every day.

> Unlike buildings, bridges tend show the structural elements. We are given some idea of how they work, whether a member is in tension or compression. Common amongst steel constructions is

the warren truss.

Design and make a model of a bridge. Consider the warren truss Design Task

as a basis for your design. Evaluate the design by loading the

bridge with weights until it fails.

**Teacher Prompts** Construction can be from paddle-pop sticks and hot glue. Specify

amounts of materials, span length. This project could be suited to

group work.

#### **Board Walk**

**Design Statement** The "Distinctly Australian" campaign is committed to deepening

our natural appreciation of the places, stories, events and people that have made us who we are as a nation. Taking in the sites and soaking up the atmosphere provides new opportunities for engaging with the past and thinking about its layered histories.

Design a series of storyboards that express what makes you Design Task

Australian – to be made into part of the boardwalk seawall at the Opera House OR it could be incorporated into your schools entry

way.

Discussion could include the use of Perspex to view the harbour or **Teacher Prompts** 

school grounds through or timber and metal and could incorporate

panels from each of the student's designs

Source:

Technology Unit, Curriculu http://www.builtenvironment2004.org.au/ybe/media\_centre/DA%20Program/ http://www.curriculumsupport.nsw.ed

## **PRODUCTS**

## **Accessories Design**

### Recycled Fashion

**Design Statement** "The fashion and textile industry has a poor record of

environmental performance, but there are innovations taking place that pay heed to the protection of the planet. The Maud N Lil fashion label uses organic cotton and recycled plastic PET

bottles to make clothing and bedding."

Design Task Design, make and evaluate a textile item from recycled clothing.

Students could use recycled clothing – jeans, shirts, shorts or **Teacher Prompts** 

recycled materials from their local reverse garbage depot to make

lampshades, cushions, doona covers, wall hangings.

Sources: http://www.abc.net.au/arts/design/fashion\_archive.htm

#### **Heirlooms**

Design Statement Heirlooms create a living history of the past. Often photographs

do the same but can be damaged or lost over the years along with the memories. One method of preserving the images is creating an heirloom to hand down to future generations. With the availability of digital cameras and transfer technology the task is

now within everyone's reach.

Design, make and evaluate an heirloom textiles item using photo Design Task

transfer technology.

### **Desktop Lamp**

**Design Statement** Lighting design provides many creative opportunities to change

our environment. Personal lamps can be expressive and

sculptural items providing focal points in a room.

Emitting a glow rather than direct light is all that is required. Designers are always looking for materials that are translucent, easily manipulated, have structure and aren't affected by heat.

Design Task Design, make and evaluate a desk-top lamp.

Polypropylene is a suitable material which is also cheap. **Teacher Prompts** 

Polycarbonate can provide extra structure if required. The design style, minimalism, provides a strong starting point for concepts

and can be studied as design related content.

7-10 Technology Unit, Curriculum K-12 Directorate, NSW Department of Education and Training http://www.curriculumsupport.nsw.edu.au

### Sunglasses Case

**Design Statement** Even accessories have accessories. Sunglasses are often a very

branded item, they are also an indicator of personal style. They say something about the wearer. Companies incorporate their own logos not only on but also into the product. The case manufacturers make for sunglasses are another opportunity to

expose the brand.

Design, make and evaluate a case for a range of sunglasses. Design Task

Justify the choice of material, style, colour and graphics

incorporated. The case needs to suit the product in shape, style,

colour and graphics.

Cases can be soft, stitched from a variety of materials or hard **Teacher Prompts** 

incorporating some opening system. Materials such as foamed neoprene, plastazote, polypropylene, polycarbonate can be used. Teachers should check guidelines for use of these materials:

Chemical Safety in Schools Vol 2.

## **Bags**

**Design Statement** The ways in which people have carried themselves and their

belongings throughout history have reflected the eras in which they lived. Twentieth century technology has opened up a treasury of textures and materials from space age synthetic to hand-woven straws. From the construction of the fabric to the design or finish on the bag, the engineering brain focus' on the stability of the shape and quality while the artist mindset is on the possibilities of eclectic designs or finish. Beaded bags are just one example of a fashion trend that's just clamouring for artistic

expression.

Design, make and evaluate a bag to suit your needs as a Design Task

teenager.

This could include anything from a beaded purse to a sports/utility **Teacher Prompts** 

bag, surfboard bag or backpack.

http://jas.familyfun.go.com/crafts?page=CraftDisplay&craftid=100

http://craftandfabriclinks.com/halloweenbag/trickbag.html

# **Agricultural Product Design**

#### **Moisture Metre**

Design Statement Water management is a vital issue for all agriculturalists whether

they run stock or grow crops. Whilst recording rainfall is important, measurements of moisture retention in the soil are even more

critical.

Design Task Design, make and evaluate a method of quantifying soil moisture

content.

Teacher Prompts

This could be suited to an electronic solution where a probe is

inserted into the soil. Information from several devices could be

used to build up a moisture profile of a field.

## **Fashion Design**

### **Sun Protection**

Design Statement Skin cancer has reached epidemic proportions in Australia.

Currently one in two Australians will develop the disease at some stage during their lives. One of the best barriers between your

skin and the sun is clothing.

Design Task Design, make and evaluate a piece of clothing that helps to

protect you from the sun's damaging rays.

Teacher Prompts Shorts, t-shirts and hats are suitable items that allow focus to be

on protective impact of the fabric selection while design can be

very individual. Source: http://www.sunsmart.com.au/

#### **Fabric Decoration**

Design Statement Dyeing and painting are important fabric decoration techniques

for Aboriginal and Torres Straight Islander textile designers. The distinctive colours and designs used demonstrate their knowledge

and understanding of their cultural heritage.

Design Task Design, make and evaluate an article of apparel that reflects the

significance of cultural heritage.

Teacher Prompts Fabric painting, printing, dyeing, tie dyeing, e.g. wraps, shirts, t

shirts, skirts, shorts.

## **Food Design**

#### **GI Biscuits**

Design Statement The Glycaemic Index (GI) of foods has become important

consumer information. Biscuits are generally classed as a high GI food, but through careful consideration of ingredients a low GI version could be produced. The shape of the biscuit could be

designed to identify the food as low GI.

Design Task Design, make and evaluate a suitable shape and recipe for a

biscuit which is readily identifiable as low GI. The shape used should be able to be made using mass-production techniques.

Use the recipe to make the biscuit.

Teacher Prompts The recipe and the shape of the biscuit can both be considered

part of the design of the product.

### Pasta Making

Design Statement Pasta can be made into just about any shape although some are

easier to manufacture than other. The extrusion process is used to make macaroni and penne. The shape of the pasta depends on the shape of the die through which it is pressed. This means that any cross-sectional shape can be made as long as it is not

too detailed, or too large.

Design Task Design, make and evaluate a die shape suited to pasta

manufacture.

Teacher Prompts Models of the die can be made from materials such as fimo

before attempting to make the pasta.

# Step by Step Cookbook

Design Statement Education on nutritional issues starts early with the introduction of

"Healthy Harold" at primary schools. Children are now more active

in choosing and preparing their own meals.

Design Task Design, make and evaluate a step by step cookbook for children

using the digital camera and compatible software.

Teacher Prompts Food display, step-by-step photography, nutritional analysis

programs such as Food works.

## **Industrial Design**

#### **Puzzles**

Design Statement Puzzles in the shape of cubes which require the user to shake

elements into an obvious configuration are often enjoyable challenges for many age groups. The design opportunities are endless, but it is important to note that the best puzzles are often the simplest and what the user is to achieve is always obvious.

Design Task Design, make and evaluate an original and innovative cube

puzzle.

Teacher Prompts The main material used is normally acrylic, but the internal pieces

can be almost any material.

### **Computer Mouse**

Design Statement Ergonomic considerations are very important when designing

objects which are held or manipulated by the hand. The computer mouse presents designers with many opportunities to explore shape, texture and colour whilst requiring comfort and functional positioning of the buttons. Designing a computer mouse shape is a styling exercise where ergonomics and product detailing play

important parts.

Design Task Design, make and evaluate a model of a computer mouse with

consideration of ergonomic principles. Use suitable materials and

processes.

Teacher Prompts The design style "Biomorphism" provides an excellent starting

point for generating ideas. Modelling grade polystyrene foam and the vacuum forming process is suited to model making for this

project.

#### Roll out the Lollies

Design Statement Children have always had a fascination for bubblegum machines.

The competition to see what colour or flavour you will get still brings fun and enjoyment. First of all the visual stimulation draws you in but, the most intriguing part of the process is working out how the engineering system that delivers just one sweet to you

works.

Design Task Design, make and evaluate a sweet dispenser.

Teacher Prompts Use Perspex sides. Sample plans can be found on the Better

Homes and Gardens projects page.

#### **Robotic Pet**

Design Statement The Sony "Aibo" robotic dog is the first of its kind commercially

available. It raises the question of the nature of domestic robots of the future. Our fascination is with the seemingly natural set of behaviour exhibited by something so obviously manufactured. This can be seen even with very simple behaviours such as responding to light. This kind of simple behaviour is well suited to

a toy robot.

Design Task Make a simple light seeking robot. Design and make a casing for

it so that it could be suitable as a toy. Evaluate your result.

Teacher Prompts The light seeking robot can be made from cheap components to

designs that are readily available. The casing design can be vacuum formed or made from a variety of lightweight materials.

Or Mindstorm Lego can be used.

Sushi Tray

authentic presentation of the food is also becoming more important. The sushi tray is more often seen in restaurants and homeware shops. Although they are traditionally ceramic other

materials would be suitable such as plastic and wood.

Design Task Design, make and evaluate a sushi tray using materials other

than ceramics.

Teacher Prompts Sushi trays do not need any depth so manufacture could be

laminating wood and with acrylic inserts.

**Get Organised** 

Design Statement Designers are often after novel ways to use common materials.

The use of unexpected materials often shows that the designer is prepared to challenge standard ideas and it can also bring more enjoyment to the user. This has been the approach of the Pentagon design group in the 1980s, Droog Design and Tom Dixon more recently. Using materials in unexpected ways has been referred to as 'Informalism'. This also had connotations of reusing and recycling materials as well as using industrial grade materials in domestic settings. The humble folder (ring binder or clipboard) often used for school work or around the home or office is an excellent accessory ready to be redesigned using different materials. Sheet aluminium is one such material because it is so versatile. It is strong and light, offers a range of finishes and can

be joined easily using rivets.

Design Task Design, make and evaluate a personalised clipboard using a non

traditional material such as aluminium or acrylic.

Teacher Prompts Sheet aluminium and acrylic is suited to this project because they

are so versatile. They are strong and light, offer a range of finishes and can be joined easily. Safe heat forming of acrylic also

offers a range of manufacturing alternatives.

## **Jewellery Design**

### **Elements of Nature**

Design Statement The beauty of the environment, especially the water, inspires

jewellery designers around the world. Native flora lends itself to

the imagination and creativity of those around it.

Design Task Design, make and evaluate a collection of jewellery inspired by

the elements of nature.

Teacher Prompts The formation of waves, rocks, the structure of flowers, leaves.

**Shells** 

Design Statement Shell stringing is a tradition handed down through the Palawa

women of Tasmania from mother to daughter and its link to the past stretches back many generations. People now realise how important it is to preserve history and keep tradition alive.

Design Task Design, make and evaluate a piece of jewellery based on a

tradition in your family or a cultural theme.

Teacher Prompts This could be shell necklaces, earrings, silver jewellery; themes

could be the Australian bush, Indigenous Australians, the Incas,

Japanese culture, African Heritage.

http://www.abc.net.au/gnt/history/Transcripts/s961462.htm

**Art Deco Ring** 

Design Statement The Art Deco period stimulated design motifs that were adopted

across the arts from architectural to fashion. The layering of simple shapes also makes the style particularly helpful in

jewellery design.

Design Task Design, make and evaluate a silver ring for yourself using Art

Deco motifs.

Teacher Prompts This project can be made using the lost wax casting method.

## **Information and Communication**

# **Communication Systems Design**

### Video Clip

Design Statement Video clips for songs have a long history back to the Beatles.

Early clips were simply shots of the performer with little visual interpretation of the music. Today we expect greater engagement with the song through powerful visuals and at times some storyline. The greatest technical challenge of the video clip is

perhaps editing.

Design Task Produce a video clip to your favourite song.

Teacher Prompts Generate ideas through story-boarding. Analyse a range of

existing video clips to understand what makes them successful. Shot lengths, relationship to music, lighting and staging are

important elements.

**Advertising** 

Design Statement Video is a powerful medium to present ideas or to advertise

events. It also has the capacity to become boring if the content is not presented in a suitable way. Shot lengths, music, lighting,

editing and staging are important elements.

Design Task Design and produce a one minute video advertisement for an

upcoming school event to be shown at a school assembly.

Teacher Prompts Charity event, sporting event, presentation night.

**Virtual Tour** 

Design Statement Schools are now offering a variety of courses to meet individual

student interests and needs. Specialisations like languages, sports, technology, agriculture and performing arts are now major drawing cards when it comes to deciding on a school. Parents are now selecting schools on the basis of what they have to offer.

Design Task Design a virtual tour of your school showcasing positive images to

be part of the school's web site.

Teacher Prompts Capture images from open days, sporting events, national

(maths/science) competitions, school grounds, student faces.

### **Animal Signs**

Design Statement Signage should be designed for the people who need to use it.

This may mean special consideration for children or non-English speakers. People rely on good signage in places where it is easy to become lost. Size, location, colour, graphic and the material

the sign is made from should be considered.

Design Task Design signage for a zoo. Specify size, location, and material the

signs are to be made from. Design one sign to completion as though you were preparing for a presentation to the management

of the zoo.

Teacher Prompts Icons and pictograms should be designed for use on a sign. Often

more than one kind of information will be needed on one sign.

Analyse existing successful signage.

# **Information Systems Design**

### Workshop manager

Design Situation Databases are powerful tools to manipulate large quantities of

data. They become useful when searching for specific

information.

Design Task Design a data and query form for all the consumables used in the

workshop. The database is to be used by teachers when they are buying more stock. Name of item, description, picture, suppliers,

cost, packet size will be necessary fields.

#### **Nutrition Information**

Design Situation Nutritional information provided on packets of snack foods can be

confusing especially when comparing between a number of

products.

Design Task Design and produce a database to store the nutritional

information of a range of your favourite snack foods. Design a query form that allows you to make comparisons of products

according to nutritional information.

#### **Information Kiosk**

Design Statement A typical information kiosk features a rich multimedia interface

supported by animated graphics, high quality images and high performance operation. Every public or private institution with large premises and large amounts of data in various formats (e.g., graphics, text, audio, video, panoramic views, etc.) can use it to

provide visitors, employees, students, or tourists with comprehensive access to all the services and information available at the site. The range of information that can be displayed is limited only by the kiosk developer's imagination!

Design Task Design and develop an information kiosk system for the animals

at the zoo using Powerpoint..

Teacher Prompts http://www.haifa.il.ibm.com/projects/software/jaki/

# **Promotional Design**

#### **Tourist Leaflet**

Design Statement Tourists often rely on leaflets in hotel foyers when deciding on

what they will see and do.

Design Task Design, make and evaluate a leaflet advertising a local attraction.

The format is to be a tri-folded A4 size.

Teacher Prompts An analysis of existing leaflets will be beneficial.

#### Label It

Design Statement A product's packaging and label has a significant impact on the

consumer's decision to buy which is normally very quick. This is especially so for foods and drinks. There are an increasing number of fruit drinks to choose from. There is trend value as well

as a health value attached with the product.

Design Task Design and make a label to be attached to a plastic bottle for a

fruit drink. Your label must appeal to what the consumer finds valuable about the product. Consider overall graphic, text, colour

and layout of information.

Teacher Prompts An analysis of existing labels will be beneficial.

#### **Your Restaurant Rules**

Design Statement Your restaurant does rule, but for it to compete in the ever

growing hospitality market, you will need to have a competitive

multimedia edge over other establishments.

Design Task Design and produce relevant materials required for successful

running of your restaurant.

Teacher Prompts Promotional material, menus, business cards, advertising

campaigns, letterheads, order books, signage.

### **CD Cover**

Design Statement A promotional shot for an artist can be worth its weight in gold. If

a band is just beginning its rise to stardom, various magazines and newspapers will wish to run pieces on them to appear in touch. Of course it is expensive to commission a photographer for a photo shoot, especially if only one shot will be required. This is where promotional shots come in. Digital imagery has enabled the little known artist to access promotional media at a fraction of

the cost.

Design Task Design and make a CD cover promoting a rising star with a

distinct cultural focus.

## **Software Design**

#### Web site

Design Statement Web design begins with content and format. Deciding how

information will be delivered, the navigation system and menu

tree are necessary before any code is written.

Design Task Design a web site explaining various aspects of the different

cultures presented in your class. Write text, take photos and

collate all information that can be lined to a menu tree.

### **Robotics**

Design Statement Robots are often used in industry to perform tasks that are dirty,

dangerous or dull. Many industrial robots incorporate a

programmable arm that performs set tasks.

Design Task Design a program to instruct a robotic arm to perform a range of

tasks.

Teacher Prompts Lego Technics

## **Digital Media Design**

### "What not to wear"

Design Statement "Fashion is always changing, slightly elusive and extremely

seductive. It has the power to transform an image and make a social statement." Many of us today are confused with changing fashion and send completely the wrong message. Reality TV shows are bringing a lot of fashion disasters to light and setting

people on the right track to successful fashion styling.

Design Task Design and produce a video highlighting changing fashion trends

and the mistakes people make following them.

## **Living Books**

Design Statement Multimedia presentations have the added benefit of user

interaction. A well designed presentation will allow the user to choose where to go and keep their interest throughout.

Design Task Design and generate an interactive multimedia presentation on

the book you are currently studying in English.

#### **Movie Trailer**

Design Statement Movie trailers give us a brief taste of what is to come without

giving away the storyline. They draw us in leaving us wanting

more.

Design Task Create a trailer for your favourite movie.

Teacher Prompts Video editing, scene layout, costume design and lighting could all

be included – good project for group work.