Internal Assessment Resource

Digital Technologies Level 2

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| Achievement Standard 91370 v3  Implement advanced procedures to produce a specified digital media outcome |
| BDSC Sports School-Wide Website – 4 credits |
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| This resource:   * Clarifies the requirements of the standard * Supports good assessment practice * Is subject to the school’s usual assessment quality assurance process * The context is relevant to students in their school environment and ensure that submitted evidence is authentic |

**Instructions:**

* Read all instructions carefully
* Complete ALL tasks
* Add your name and class on all pages of all documents
* Add the filename and path as a footer in all documents
* You must comply with the occupational Health and Safety in Employment Act 1992, and their subsequent amendments.
* You must ensure you have not breached the Copyright Act

**Assessment Due**: 01 July 2016 (2:15 p.m.)

**Candidate’s Statement**

This assessment has been done entirely by me. I have neither borrowed work from others nor lent my work to others to use

Signed Date

Assessment Resource

Achievement standard: 91370

Standard title: Implement advanced procedures to produce a specified digital media outcome

Level: 2

Credits: 4

Resource title: BDSC Sports School-Wide Website

Learner instructions

# Introduction

This assessment activity requires you to implement advanced procedures to produce a multi-page website for that will showcase BDSC Sports.

You are going to be assessed on how efficiently you implement advanced procedures to produce a multi-page website for the subject.

The following instructions provide you with a way to structure your work so you can demonstrate what you have learnt and achieve success in this standard.

# Task

You are to create a website for BDSC Sports. You will create the digital media content (for example backgrounds, buttons and banners) and integrate at least one other media type (such as your own photos, video or graphics).

While you do not have to write the text yourself, you are responsible for presenting it in the best possible way for reading on the web (including making sure it has suitable headings, subheadings and main body text and structure, and uses CSS to style these elements appropriately).

The **specifications** for the website include:

* The site must consist of at least three linked pages
* The design must be easy to navigate
* The design should be attractive and does not need to be constrained by the school colours
* There needs to be images included throughout the site with related information and results. These images should be edited using advanced techniques in image editing software.
* It needs to be easy to maintain in the future so that it can be kept updated.

Ensure that you address any legal, ethical and moral responsibilities.

This is an individual task.

## Planning

Plan the website structure and where content will go (for example pages, navigation, content structures, headings, etc.), and the process you will follow to create the website. You plan must include site map, wireframe and mock up. **(this must be handed in)**

Identify a design concept and implement it (for example link structures, embed content and follow design principles).

Select the digital media software applications you will use to create, edit and integrate the various digital media on your website.

## Creating

Use the tools you have selected to create your multi-page website, following your plan and the agreed specifications.

**Use Resources B – D** to record evidence of what you do, when you do it, the results of testing/checking and how you address the problems you encounter during the development process (for example by annotating your plan or making screen shots or screen dumps). This will contribute to the evidence of your organisation and efficiency when building your website.

Testing may involve checking the integrity of data for relevance and accuracy, and visual previews to check pages display as intended. It will also involve usability checking.

You need to show independence in decision-making, using tools and techniques, and checking the quality of your work, as well as timely and efficient working methods.

Save the final version of your website using a suitable medium. Submit an electronic copy of the website as well as all supporting material (planning, testing, logs etc.) in your class folder on the Student Drive

# Conditions

This is an individual assessment task.

# Resource A: text and photos for website

You may retrieve text and photos from S:\DIT\Web Dev Resources\Level 2

# Resource B:

You may take your own photos or use photos from the collection of photos that have been supplied. You need to record where you have sourced your images and ensure that you have covered all ethical issues related to copyright.

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| **Management of legal, ethical, and moral responsibilities** | |
| **What needs to be considered?**  **e.g. Copyright, Privacy, Ethical** | **How will I ensure these responsibilities are met?** |
| I need to make sure I’m not breaching any copyright from any other websites, as I don’t want to get taken to court or fined. | In order to ensure that copyright hasn’t been breached, I’ve only used images and text supplied to me from my teacher, Mr. Patchigalla. Mr. Patchigalla informed our class that we should be using the resources supplied by him so we did as we are told. This gives us permission to use the content because Mr. Patchigalla is the HOLA of Digital Technologies in Botany College. Because Mr Patchigalla and I are a part of Botany College, no copyright has been breached as I haven’t claimed the images as my own, because on the website all the images and content are under Botany College’s name. |
| Privacy of users in the images. | In order to ensure that privacy is met, I’ve ensured that no names have been included into any images. This is because if my website was released to the world wide web, giving away details like full names to people from an image, or any contact details from the people in general, I’m breaching their privacy. By giving no sort of information towards who the people are in the images their privacy isn’t breached. Another possible privacy issue was that the images taken of BDSC students could be breached. It’s not breached at the end though because each student signed a contract saying that it’s allowed, and since these images were taken from the BDSC newsletter, with Mr. Patchigalla’s permission I’m not breaching privacy. |
| Ethical and Moral issues with my text. | In order to make sure that my texts are appropriate for the age ranges visiting (12-18) and parents/teachers interested in the college (20-60) I have to make sure that the language used is appropriate. This means that text shouldn’t have much slang, but it shouldn’t have lots of complex English words at the same time since college students and older adults are visiting them together. I know that the text the school supplied already considers this as it’s been used in the newsletter, and that all that’s needed to be done was to spellcheck. |

# Resource C:

# You can record your daily log and notes in the template document 91370 Daily Log. You need to keep track of the errors encountered, what you did and what testing you do.

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| **Digital integrity and testing procedures** | | | |
| **What was tested?**  **e.g. hyperlinks, images, text** | **How was it tested?** | | **What changes were made?** |
| Testing to see if CSS was linked to my HTML. | Changed the background-color of the CSS stylesheet to see if the color changed on my browser. | | None |
| Transformation of images | Opening up Internet Explorer, Firefox, and Google Chrome and looking at the image. | | None |
| Navigation bar links. | Opening up Internet Explorer, Firefox, and Google Chrome and clicking each individual link. | | None |
| Navigation bar active webpage. Testing to see if the page I’m on is coloured. | Once again opening up all the browsers and checking if it’s coloured in. (The black text is the active page, the white text is the hover) | Color from red to a darker grey, because Red was way too bright and doesn’t fit with my colour scheme well because the contrast is too large. | |
| Dropdown Navigation | Opening 3 browsers and checking each one is supported by a dropdown navigation. | I changed the size of the dropdown to be smaller than the other navigation so it’s different as it won’t make the user confused. | |
| Rounded Borders | Opening 3 browsers I constantly refresh after every change to make sure my borders are rounded. | None. | |
| Positions of elements | By opening 3 browsers and refreshing after every change on notepad++, I had to make sure my elements are positioned correctly with the proper floats and testing to see if my hr has the correct margins to space out the elements. | None. | |
| Gallery | Tested to see if my gallery hover works and that they’re presented and spaced out properly by using 3 different browsers. | None. | |
| Text on the website | By using Words built in spell check and grammar (blue lines and red lines) I’m easily able to identify where there’s error with my text. After this there may still be some errors that even Word can’t identify, so I reread every text I decided to put into my website to make sure it was grammatically correct. | None. | |
| Testing hyperlink for BDSC website | Opened every single browser and clicked on the hyperlink on my footer to make sure it went onto the BDSC website. | None. | |
| Testing transitions on my navigation bar and gallery. Also testing hover function on gallery and navigation. | Going onto every browser and hovering my mouse over the transitions that occur, since there’s a hover over them. | None. | |
| Testing to see if the correct image is in the correct place, and that I haven’t typed any href values. | Checking my website constantly whenever adding a href value, just incase I typo the file directory or link. |  | |
| Testing to see if my elements inside my browser will resize automatically so everything fits inside one page | Tested this by resizing multiple browsers such as Firefox, Internet Explorer, and Google Chrome. | None. | |
| Testing to see if my Media Query for my navigation worked. | Tested by resizing on all my browsers (Internet Explorer, Firefox, and Google Chrome) that my navigation bar must resize and change so that it’s on the middle of my page. | Redid button sizes because the last ones were too small. | |
| Testing to see if my Media Query worked for my body (right). Images are supposed to be centred and the body is supposed to be in the middle. | Once again resizing and opening up Firefox, Internet Explorer, and Google Chrome and seeing if what I coded worked as intended. | None. | |
| Using validator regularly to check if my html and css is correct. | After every lesson I validate my work to consistently make sure that my code is accurate for all my html pages and my stylesheet. | None. | |

**Resource D: Daily Log**

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| **Record you web development at the end of each class** | | |
| **Date** | **What have I done?** | **Screenshot** |
| 20/05/16 | Today I finished my Wireframe and Sitemap. |  |
| 21/05/16 | Completed Moqup and header for my website. |  |
| 23/05/16 | Basic site layout completed. So today this means I made all my alignments align correctly inside the divs. This means my navigation bar is also completed. I also styled my hr tags so that it separates my content on the website. Font has also been decided throughout my speech. Where the empty spaces are have been tested with placeholder images already. Regularly tested by resizing regularly. Poor colour choices made just to make the basic layout. |  |
| 27/05/16 | Finished basic navigation.  Colour theme now properly applied using a combination of RGB and hexcodes.  Footer style implemented and footer text decided.  All text has been spellchecked and all the page text has been implemented onto every page.  Basically finished my footer today as well.  Completed all the tables for athletics and swimming sports with styling. Nearly finished all the pages on the website. |  |
| 28/05/16 | Images have been selected from the list and is now inserted into the empty spaces where it’s supposed to go. The images have also been resized in the save for web window on Photoshop to make the size efficient with the website. Links on my website are now properly applied. Dropdown for my navigation and transition to fix the hover colour is finished. Gallery is nearly finished, only have 3 more images left to optimise for web for the Cross Country Gallery. My website is practically done. |  |
| 29/05/16 | The last images for my gallery in Cross Country is completed. Added extra feature where there’s a box shadow on the image compared to yesterdays, because it looked nicer. Finished my media query which was easy because it’s just resizing my elements so fit the entire page instead of having them float. Spent the rest of the day testing every possible interactivity of the website to ensure that it was fit for web. I media queried my title so it goes across and my navigation so it goes all the way across and my main content so that it goes all the way across. This also meant that I media queried the images on my main content pages (not gallery) so that it’s not just on the right of the text and that it’s underneath with an image. I also media queried the table so that if it gets too small instead of going outside of the element it’s in it’ll have an overflow that’ll scroll. Finally I media queried my gallery images so that it has a minimum width, in order to make it not too small to read. |  |

**Resource E: List of advanced skills in HTML/CSS and Photoshop**

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| **HTML/CSS and Where** |
| I added opacity to my Gallery and Table Data tags. |
| I added a dropdown navigation bar, so that when you hover over certain pages it drops down and adds another navigation bar |
| I added a rounded border to my images border. |
| I used a meta tag so my browser knows what the encoding is for my html file. |
| I used transition on my hover for my navigation bar and gallery, so whenever I hover over it the opacity becomes transparent with a time. |
| I added transformation to my images so that they have slight rotation. |
| I added a media query so that when the website is too small the layout changes. Basically everything in the website except header and footer changes. |
| I added a min-width to my gallery images and content images so they don’t shrink too small when I resize my window. |
| I added a google font to my table as I wanted a font that was new so that the table looked distinctive. |

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| **Photoshop and Where** |
| I used a gradient in my header |
| I used a layer setting to make gradient layer instead of a normal layer into a color, so that it just goes overtop of it |
| I used opacity in photoshop to change the opacity of the gradient color layer, as it was still too bright for me |
| I used save for web to optomise my images for the web, and to also choose suitable file types. |
| I formatted text and bdsc logo by adding inner glow, outerglow, stoke and drop-shadows to them. |
| I added layer masks so I can add borders to my images with different filter galleries for different images. |

# Assessment schedule: Digital Technologies 91370 – BDSC School Wide Sports Website

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| Judgements for Achievement | Judgements for Achievement with Merit | Judgements for Achievement with Excellence |
| The learner implements advanced procedures to produce a BDSC School Wide Sports Website by:   * selecting software based on the features of the program(s) that enable the learner to effectively demonstrate skills in creating, editing and integrating the media types * applying a set of advanced tools and techniques suited to the media to enhance the presentation of content   i.e. The learner completes a website (using HTML coding and CSS styling) that meets the specifications and functions as intended, although there are a few errors that do not affect the essential functioning.  The learner:   * + sets up the website and content   + applies styles   + applies a range of design elements.   The website includes original media content and integrates media types that have been edited using advanced image manipulation techniques.  The development process may rely largely on trial and error.   * applying data integrity and testing procedures to ensure the outcome meets specifications * following legal, ethical and moral responsibilities as appropriate to the outcome   i.e. The learner has permission to use text sourced from the internet and references this text correctly. All of the text and imagery is suitable for the target audience. | The learner skilfully implements advanced procedures to produce a DIT class work showcase website by:  Achievement plus   * showing accuracy in the application of advanced tools, techniques and procedures; including but not limited to producing an appealing outcome that integrates advanced skills to enhance the appearance and functionality of the site. * showing independent decision-making in selecting digital media software applications and applying advanced tools, techniques and procedures | The learner efficiently implements advanced procedures to produce a DIT class work showcase website by:  Merit plus   * applying tools and techniques and implementing procedures in a manner that **economises** the use of resource in the outcome’s production and its usability (e.g. produced in a timely fashion, and optimisation of tool selection and use) |

Final grades will be decided using professional judgement based on an examination of the evidence provided against the criteria in the Achievement Standard. Judgements should be holistic, rather than based on a checklist approach.