Samantha Feitelson

Trivium Quadrivium

Short story

Independent research and investigation bibliography

[Author unknown]. [n.d.]. *Archimedes* [Internet]. [Place of publication unknown]: [Publisher unknown]. Available from: *http://www-maths.mcs.standrews.ac.uk/~gmp/gmpANA.html* [Accessed 1st June 2007].

This internet site was useful when researching Hypatia's mathematical influences, such as Archimedes and Euclid, and provided a basis for my own knowledge of the history of mathematics. Whilst writing the Report, this reference furthered my reflections on the use of mathematics, which I believe added to the textual integrity of the Major Work.

[Author unknown]. [n.d.]. *Conic Sections* [Internet]. [Place of publication unknown]: [Publisher unknown]. Available from: http://math2.org/math/algebra/conics.htm [Accessed 22nd May 2007].

This site was useful when researching the fundamental mathematical theory, of conic sections which the character of Hypatia studied and extended.

[Author unknown]. [n.d.]. *Library of Alexandria – Crystalinks* [Internet]. [Place of publication unknown]: Crystalinks. Available from: *http://www.crystalinks.com/libraryofalexandria.html* [Accessed 3rd May 2007].

Although this internet site seemed to be an amateur production, it provided much information on the great Library of Alexandria and Hypatia's influence over the numerous scholars. The site also included background information on her death and her scholarly attributes.

[Author unknown]: (2006). *Lives of the Saints, November 25, Saint Catherine* [Internet]. Mont-Treblant, Canada: Editions Magnificat. Available from: *http://www.magnificat.ca/cal/engl/11-25.htm* [Accessed 19th February 2007].

The character of Catherine, the Librarian, was named after Saint Catherine, the patron saint of librarians. This internet site was useful as it provided information of the Saint Catherine's life and her ultimate martyrdom, which influenced the Major Work's ending when Catherine sacrifices her life to save Hypatia.

[Author unknown]. (2007). *Daniel Tammet – The Incredible Brain* [Internet]. [Place of publication unknown]: Fife Web Design. Available from:

http://www.mymultiplesclerosis.co.uk/misc/danieltammet.html [Accessed 18th January 2007].

I used this internet site as a basis of research regarding information on autistic savants, as the character of Simon is based on Daniel Tammet, a savant who has learnt to adapt to social conditions without compromising his fascination with arithmetic mathematics.

Appignanesi, R., Garrat, C. (2004). *Introducing Postmodernism*. Sydney: Allen and Unwin Pty. Ltd. Appignanesi's work on post-modern theory has contributed to my research on post-modern theorists and underpinnings, which influenced the Major Work profusely. The Major Work is written using numerous narrators, with mathematical metaphors severing the narrative flow in order to make the readers aware of the text's constructed status.

Atwood, M. (1994). Good Bones. London: Virago Press Ltd.

For my independent research on the medium of the short story, the medium which I chose to follow for the Major Work, Atwood's collection of short stories proved to be an influence on my style of writing when composing Catherine's first person narration from a feministic perspective, and the development of the plot line, as her stories made me realise that a short story should only have one central focus, which is Catherine's search for Hypatia using mathematical discourse.

Atwood, M. (2006). Moral Disorder. London: Bloomsbury Publishing.

Atwood's fiction, in particular her short stories, inspired me to select the short story as the medium of my Major Work. *Moral Disorder* is a collection of Atwood's stories, with the central theme of the rejection of patriarchal dominance. This inspired me to create a work with two female protagonists, both rejecting the notion of traditional gender roles.

Australian Broadcasting Corporation. (1997). *ABC Radio National – Ockham's Razor Transcript* [Internet]. [Place of publication unknown]: Australian Broadcasting Corporation. Available from: *http://www.abc.net.au/rn/science/ockham/or030897.htm* [Accessed 4th March 2007]. This ABC's Radio National transcript featured prominent academic Michael Deakin who is knowledgeable on the ancient Library of Alexandria and the life of Hypatia. This was useful when researching the character of Hypatia and the setting of the Library of Alexandria.

Australian Broadcasting Corporation. (2007). *Four Corners – 23/04/2007: Painting the Mind* [Internet]. Sydney: Australian Broadcasting Corporation. Available from:

http://www.abc.net.au/4corners/content/2007/s1901376.htm [Accessed 7th May 2007.

The Australian Broadcasting Corporation's program of *Painting the Mind* proved to be an insightful reference when developing the character of Simon, an autistic savant. The transcript of the program was a useful reference as it reports the brilliance of autistic children in a scientific and personal manner.

Bennie, A. (2007). Movements with the body politic. *The Sydney Morning Herald, Spectrum.* July 28-29, 2007, p.21.

This article focused on one of the initial ideas of the Major Work; the use of bod language as a form of communication. This encouraged me to reflect on the development of the Major Work's composition process, and why I have chosen to represent purely mathematics as a language. This contributed to my reflections on the composition process in the Reflection Statement.

Berry, S. (2007). The Alexandria Link. London: Hodder & Stoughton.

Berry's novel, a fictional account of the quest for the Library of Alexandria, was an enjoyable read which influenced the composition of the story's plot-line, as the Major Work features a quest for meaning and answers about the life of Hypatia. Berry's style of writing encouraged my development of techniques integrated into the work, in order to create an engaging story.

Bird, C. (ed.) (1998). *The Stolen Children: Their Stories*. Sydney: Random House Australia Pty. Ltd. Bird has composed a compilation of stories detailing the childhoods of the Stolen Generation. Although the Major Work is fictional, the factual tone Bird uses to tell the various stories gave me the inspiration to integrate informative mathematics into my Major Work in an engaging manner.

Board of Studies NSW. (1999). *Answers to Frequently Asked Questions on the English [Extension Two] Major Work* [Internet]. Sydney: Board of Studies NSW. Available from:

http://www.boardofstudies.nsw.edu.au/syllabus_hsc/pdf_doc/english_ext2_qa_support.pdf [Accessed November 29th 2006].

The Board of Studies' reference guide for Extension Two English proved to be a helpful resource which dictates the formal features of Major Work, providing details on the requirements according to the medium used.

Board of Studies NSW (2006). 2006 HSC Notes from the Marking Centre English Extension 2 [Internet]. Sydney: Board of Studies NSW. Available from:

http://www.boardofstudies.nsw.edu.au/hsc_exams/hsc2006exams/pdf_doc/engl_ext2_notes_06.pdf [Accessed 11th May 2007].

When composing the Major Work, the Board of Studies 2006 marking notes for Extension Two English provided an insight into what the markers have enjoyed in past projects. I gained knowledge on why I must develop characterisation, as this will engage the readers successfully.

Boyer, C.B., Merzbach, U.C. (1989). A History of Mathematics [Second Edition]. Canada: John Wiley and Sons, Inc.

Boyer and Merzbach's book was a useful source of information regarding mathematical theory proposed by Hypatia, contributing to my wide reading and independent research of the Major Work.

Boyle, D., Roddick, A. (2004). Numbers. West Sussex: Anita Roddick Publications Ltd.

Numbers consists of an array of statistics used to symbolise human conditions such as war, love, and peace. This book inspired me to include mathematical metaphors of the relationships of my characters in the project; the relationship between John and Catherine is represented in the form of a dynamic graph.

Brooks, D. (2007). Poetry and the Mathematics of Space. Southerly. Issue 1, 2007.

The literary magazine, *Southerly*, engages readers with innovative critical articles such as "Poetry and the Mathematics of Space" featured in the latest issue. I envisioned the intended audience of my Major Work to be erudite and well-versed individuals, like those of *Southerly*, who will be intrigued with the presence of mathematics in an English composition.

Bugliarello, G. (2001). *A New Trivium and Quadrivium* [Internet]. Brooklyn, New York: Polytechnic University. Available from: http://www.poly.edu/news/archives/news2/?id=727 [Accessed 3rd August 2007].

Professor Bugliarello's thesis on the trivium and quadrivium system furthered my understanding of the concept, which inspired the title of my Major Work.

Burton, T. *Edward Scissorhands*. (2002). [Place of publication unknown]: 20th Century Fox. 26th December 2006, [DVD-video: DVD].

Burton's film *Edward Scissorhands* is a post-modern parody of American suburban life. Although this differs entirely from my Major Work, the film has enhanced my understanding of the representations of postmodernism using many mediums, which inspired me to include mathematics in a short story.

Buttrose, L. (2007). Fame! I'm gonna live forever. *The Sydney Morning Herald, Spectrum*. July 28-29, 2007, p.32-33.

This article expressed death as an inevitable process which occasionally increases one's fame. I related this to the character of Hypatia; the librarian Catherine sacrifices her life for Hypatia. I reflected on whether Hypatia would not have been noted as an integral mathematician if she were not a woman nor murdered by a Christian mob.

Calvino, I. (1998). If on a Winter's Night a Traveller. London: Vintage.

If on a Winter's Night a Traveller is a core text of the Extension One English "Texts and Ways of Thinking" HSC Course, and was a major influence on the Major Work because of Calvino's original style of writing, including the voice of the omniscient narrator.

Cameron, J. (1995). The Artist's Way. London: Pan Books.

Cameron's text established a variety of ways a writer can develop one's creative skills. I for one learnt to write a journal entry each day to clear my head of unnecessary thoughts in order to focus purely on my writing of the Major Work.

Carr, B.J., Giddings, S.B. (2007). Quantum Black Holes. *Scientific American Reports*. Vol. 17, Number 1, 2007.

This was a useful source when researching black hole theory, which shaped the ending of 'Trivium Quadrivium', and thus the article contributed to the textual integrity of the Major Work.

Carter, A. (2006). Collected Stories. London: Vintage, Random House Publishing.

Angela Carter is an inspirational writer whose work inspired the development of a post-modern narrative rejecting the marginalisation of 'the other', the female. Her short story *The Company of Wolves* inspired Catherine's isolation from reality, as she remains in the library. When Catherine finally sacrifices herself to a Christocentric patriarchy, it signifies the espousal of feminism in a society plagued by indifference.

Centre for Reproductive Rights. (2007). *China Turns One-Child Policy into Law* [Internet]. New York: Centre for Reproductive Rights. Available from:

http://www.reproductiverights.org/ww_asia_1child.html [Accessed 11th April 2007].

This internet site was useful when elaborating the cultural conditions of Jia's childhood, as I dictate in the Major Work that she was abandoned by her Chinese birthparents due to the One Child Policy.

Cobley, P. (2004). Introducing Semiotics. Sydney, Australia: Allen and Unwin Pty. Ltd.

Cobley's work cites post-modern theory on which the Major Work is based. One of my main purposes integrated in the Major Work was to represent the search for meaning through the metaphor of a mathematical solution, and Cobley provides a detailed account of Derridian theory on which the concept of the relationship between the signifier and signified is based. Thus I was able to develop my own understanding and implement this theoretical notion in my work.

Coetzee, J.M. (1988). Foe. London: Penguin (non-classics).

Foe is an all-time favourite classic of mine which influenced the style of the Major Work, as Coetzee's post-modern influence and his writing of a historical narrative has shaped 'Trivium Quadrivium' as a fusion of the historical narrative of the ancient Library of Alexandria and the post-modern metaphorical quest for the transcendental signifier.

Colavito, A., Petta, A. (2006). Hypatia, Scientist of Alexandria. Milan: Lampi di stampa.

This book provided information on Hypatia's role in the Library of Alexandria, proving to be a useful resource when developing characterisation in the Major Work.

Cornell University. (1996). *Ancient Greek Number Codes* [Internet]. Cornell: Cornell University. Available from: *http://www.fargonasphere.com/piso/numcode.html* [Accessed 7th March 2007]. One of my initial ideas was to title the sections of the Major Work with mathematical formulae or numbers representing the theme of the particular section. I intended to do so using ancient Greek number codes, and this internet site was useful when I had this idea in my mind. However, as the composition process continued, I decided to use different fonts rather than separate chapters.

Cumberlidge, A.M. (1997). *The Hitch-Hiker's Guide to Black Holes* [Internet]. Keele: Keele University. Available from: http://www.astro.keele.ac.uk/workx/blackholes/index3.html [Accessed 26th March 2007].

This internet site was useful when compiling my research on black hole theory. At the end of the Major Work, Hypatia and Catherine travel through a black hole to transform into each other, and by researching scientific principles I was encouraged to include such an event in the story.

Dahl, R. (1992). Collected Short Stories of Roald Dahl. New York: Penguin.

Roald Dahl's short stories have been major influences on my choice of medium of the Major Work. His engaging style of writing, engaging and including his readers, has influenced my choice in narration and narrative structure.

Dale, D. (2002). *Lost the plot? There are only nine to chose from* [Internet]. Sydney: Fairfax Digital. Available from: *http://www.smh.com.au/articles/2002/09/06/1031115933689.html* [Accessed 19th November 2006].

This article was interesting to read during the initial stages of planning and composition, as it helped me to avoid such ideas which prove to inundate readers each year.

Darwin, E. (2006). *The Mathematics of Love*. London: Headline Book Publishing.

Darwin's novel was an insightful reference when researching the style of the historical narrative, incorporating eighteenth century history in modern times, reflecting post-modern theorist Lyotard's rejection of a non-rational account of time. This inspired my development of a Major Work incorporating the historical narrative as well as post-modern theory.

Davies, P. (2007). How to Build a Time Machine. *Scientific American Reports*. Vol. 17, Number 1, 2007. *How to Build a Time Machine* was an informative piece when writing the ending of the short story. Although such writing required imagination, the scientific information proved to be helpful when I found myself describing the conditions implemented during the distorting of time.

Deakin, M.A.B. (1994). Hypatia and Her Mathematics. *The American Mathematical Monthly*. March 1994, Volume 101, Number 3, p.234-243.

Throughout the research process, Deakin has featured as a prominent scholar regarding Hypatia and the roles of women in ancient Greek mathematics. His research has helped me develop the characterisation of Hypatia as well as the importance of her mathematics within a twenty-first century context.

Deakin, M.A.B. (2007). *Hypatia of Alexandria: Mathematician and Martyr.* Amherst, New York: Prometheus Books

Unlike the article above, Deakin's book focuses on the mathematical and scientific interests of Hypatia, and the progress she made regarding these theories throughout her lifetime. Deakin's research was extremely helpful when I was writing the beginning of the story, as I have integrated many of her inventions and works into poetic descriptions of the setting.

De Maupassant, G. (1992). *The Necklace and Other Short Stories*. New York: Dover Publications. Guy De Maupassant's renowned story, *The Necklace*, is a favourite of mine. It has influenced the choice of medium of the Major Work, the short story, and has furthered my understanding of the importance of an editing process in order to engage the responders of the Major Work.

Devlin, K. (2000). *The Language of Mathematics: Making the invisible visible.* New York, New York. W.H. Freeman and Company.

When presenting mathematics in the Major Work as a form of communication, this book proved to be helpful when adapting mathematical terms to engage with and communicate with the responders.

Donovan, J., Cushman, K. (2006). *Wanted: Biologists who can speak 'math,' engineers fluent in genetics* [Internet]. Cambridge: Massachusetts Institute of Technology.

Available from: http://web.mit.edu/newsoffice/2006/communication-gap-1122.html [Accessed 13th January 2007].

The concept of mathematics as a language has been questioned by many academics. This internet site has applied this idea to science and technology, believing that the only way to succeed in a certain field is to understand the meaning, that is, to speak the language of the certain fields. This internet site was useful when writing the report, as it developed my definition of the ideas conveyed in the Major Work.

El-Abbadi, M. (1998). *Universal Library* [Internet]. [Place of publication unknown]: Hellenic Electronic Centre. Available from: http://www.greece.org/alexandria/library/library1.htm [Accessed 2nd March 2007].

El-Abbadi's internet site has proved to be helpful when I was primarily researching the importance of the Library of Alexandria. It also provided me with useful information on Hypatia's role in the library.

Euclid, Heath, T.L. (1956). *The Thirteen Books of Euclid's Elements, Vol.1 (Books 1 and III).* New York: Dover Publications, Inc.

Euclid, Heath, T.L. (1956). *The Thirteen Books of Euclid's Elements, Vol.2 (Books III IX)*. New York: Dover Publications, Inc.

Euclid, Heath, T.L. (1956). *The Thirteen Books of Euclid's Elements, Vol.3 (Books X XIII)*. New York: Dover Publications, Inc.

Euclid's three volumes of *Elements* served as a reference guide for the mathematician who influenced Hypatia's work. Euclid's influence resonates throughout the Major Work, contributing to the accuracy of the historical narrative. Many mathematical theories represented in Euclid's works have been transformed into mathematical metaphors in the Major Work.

Eves, H. (1983). *Great Moments in Mathematics (Before 1650).* United States of America: The Mathematical Association of America.

By researching the history of mathematics, the Major Work includes various aspects of history, science, and mathematics which unite to contribute to the textual integrity of the Major Work. Whilst writing the report, this text helped me evaluate my Major Work through my recognition of the stages of the composition process.

Falconer, D. (2007). When fiction is more than a story. *The Sydney Morning Herald, Spectrum*. May 12-13, 2007, p.32-33.

This article furthered my understanding on the short story medium, and the importance of an original plot-line to compose an interesting work.

Fauvel, J., Gray, J. (1987). *The History of Mathematics: A Reader.* Hampshire, Great Britain: Macmillan Press Ltd.

This reference book proved to be helpful when researching the mathematical developments within the context of Hypatia's life.

Feitelson, S. (sam_feitelson@hotmail.com), 8th February, 2007. Information on the "Living Library". (catharina.noren@malmo.se).

Feitelson, S. (sam_feitelson@hotmail.com), 13th February, 2007. Thank you for the reply. (catharina.noren@malmo.se).

Feitelson, S. (sam_feitelson@hotmail.com), 15th February, 2007. Living Books. (catharina.noren@malmo.se).

The continual email correspondence between Catharina Noren, librarian of the Living Library in Malmo, Sweden, and myself has been vital for the development of the story's setting, as well as for my understanding of certain characters that choose to enter and become part of the library. Ms. Noren has sent me pamphlets, booklets, and personal feedback from the borrowers and those who are borrowed to extend the realism of the setting in the Major Work through candid descriptions of the library and common character interactions in the Living Library.

Finneran, N. (2005). *Alexandria: A City and Myth*. Stroud, Gloucestershire: Tempus Publishing Limited. Finneran's work contributed to my research on the setting of the Major Work, providing an insight into the ancient city of Alexandria.

Gee, S. (2007). Philistine in a parallel world. *The Sydney Morning Herald, Spectrum*. March 24-25, 2007, p.34-35.

The article 'Philistine in a parallel world' featured in *The Sydney Morning Herald* focused on the philosophy of magical realism represented in certain fictional works. This reinforced my idea of the inclusion of philosophy and mathematics in the Major Work.

Gray, P. (1993). The Assault on Freud. TIME Magazine. Nov. 29, 1993.

Gray has come to Freud's defence in this article, stating that he established an innovative theory which still resonates today, and rejects the notion of Freud as the exploiter of human innocence. Freudian psychoanalysis introduced the theory of the Oedipal complex, which in turn influenced the development of postmodernism and the ideas of many post-modern theorists. This article inspired me to look into the relationship between Freud and postmodernism, furthering my development of the characterisation of Joan, the library's therapist, within a post-modern context.

Greenwald, S.J., Mendez, E.P. [n.d.]. *Hypatia the Mathematician* [Internet]. Boone, North Carolina: Appalachian State University. Available from:

http://www.mathsci.appstate.edu/~sjg/ncctm/activities/hypatia/hypatia.htm [Accessed 10th February 2007].

This internet site features an account on the female scholar Hypatia in the fifth century A.D. which contributed to my research on the similarities of the protagonists of the Major Work, as her role of librarian relates to that of Catherine.

Haddon, M. (2003). *The Curious Incident of the Dog in the Night-Time*. Oxford: David Fickling Books of Random House.

Haddon's novel is written from the perspective of an adolescent autistic savant, which furthered my development of the voice of Simon, an autistic savant. Haddon's inclusion of mathematical formulae and diagrams influenced my decision to include mathematical elements relating to the two protagonists, Hypatia and Catherine, and to separate the voices narrating their stories.

Heany, S. (ed.) (2004). The Poems of W. B. Yeats. London: Faber and Faber Limited.

Heany's selection of Yeats' poetry was helpful when I was searching for a phrase from *The Second Coming* to depict the black hole's relationship to life. "*Things fall apart; the centre cannot hold*" is a quote from Yeats' poetry which is included in the Major Work to present this concept.

Humphrys, J. (2007). Beyond Words. Sydney, Australia: Hodder and Stoughton Ltd.

Humphrys' book was useful when I initially comprised the main ideas of the Major Work. He focuses on all different forms of communication, which the Major Work's focus of mathematics as a language.

Hyland, A. (2007). The Colour of Words. *The Sydney Morning Herald, Spectrum*. January 26-28, 2007, p.28-29.

The main purpose of the Major Work is defined by mathematics as a means of communication. This developed after eliminating the concept of other forms of communication, such as colour and body language. This article was useful when deciding on the main focus, as it convinced me not to subscribe to popular beliefs of textual originality. Thus, I decided to focus purely on the idea of mathematics as a language, which I believe is an original concept that may inspire others to expand their interpretation of various communication methods.

Johnson-Lewis, J. (2007). *Hypatia – Biography of Hypatia* [Internet]. [Place of publication unknown]: About, Inc. Available from: *http://womenshistory.about.com/od/hypati1/a/hypatia.htm* [Accessed 2nd March 2007].

This internet site proved to be helpful when researching the life of Hypatia in ancient Alexandria. A wide

range of reading materials was needed when composing Hypatia's story, which is communicated in the Reflection Statement.

Jones, T. [n.d.]. *Patron Saints Index: Saint Catherine of Alexandria* [Internet]. [Place of publication unknown]: Terry Jones. Available from: *http://www.catholicforum.com/saints/saintc01.htm* [Accessed 1st June 2007].

This internet site was helpful when I was researching the life and death of Saint Catherine of Alexandria, which parallels with the life and death of Catherine.

Kafka, F. (1978). Wedding Preparations in the Country and Other Stories. Harmondsworth: Penguin Books

Kafka is a brilliant author whether writing a novel or a short story. His collection of short stories was a major influence of the medium of the Major Work.

Kipling, R. (2007). *The Maltese Cat – The Day's Work* [Internet]. [Place of Publication unknown]: Fedora. Available from: *http://whitewolf.newcastle.edu.au/words/siteinfo.html* [Accessed 5th January 2007].

This internet site was used as a basis for my understanding of Kipling's work. Before I discovered his anthology, *Selected Stories*, this internet site provided me with examples of Kipling's use of a strong coda which inspired the tone and pace of my Major Work.

Kipling, R. (1987). Selected Stories. London: Penguin Books.

Kipling's short story, *The Maltese Cat*, influenced the development of the medium of the Major Work, the short story. This is because Kipling has written using the formal features of a short story to inspire the reader, communicating his purpose in a single narrative.

Kundera, M. (2000). Immortality. New York: Faber and Faber, Inc.

Kundera's novel *Immortality* comprises of elements of post-modern fiction and the historical narrative. This novel has been a significant influence on the Major Work due to its incorporation of historical references interwoven with twenty-first century fiction.

Landman, H.A. (2004). *Hypatia of Alexandria* [Internet]. [Place of publication unknown]: Howard A. Landman. Available from: *http://www.polyamory.org/~howard/Hypatia/* [Accessed 3rd March 2007]. This internet site focuses on Hypatia of Alexandria as a female scholar and a perpetrated heretic. Landman's account of Hypatia's demise is conveyed in the Major Work, which influenced my writing of the final days before Hypatia's death. This contributed to my development of the voice of an objective narrator when dictating the life of Hypatia.

Lienhard, J. (1997). No. 215: *Hypatia's Mathematics* [Internet]. [Place of publication unknown]: John H. Lienhard. Available from: *http://www.uh.edu/engines/epi215.htm* [Accessed 4th March 2007]. Lienhard's internet site was a practical summary of Hypatia's contribution to mathematics in ancient Alexandria.

Masterson, L., Morgan, T. (2001). *Fiction Factor – Editing Edition* [Internet]. South Australia: Fiction Factor. Available from: *http://www.fictionfactor.com/articles/editingfiction.html* [Accessed 2nd August 2007].

This internet site was extremely useful throughout the editing process, as it provided me with essential points on what will create an enjoyable read. In order to perfect the Major Work, this internet site advised that I eliminate unnecessary adjectives, which I finally did in order to accelerate the pace of the work.

Meacham, S. (2006). Frank's book of revelations. *The Sydney Morning Herald*: *Spectrum*. December 9-10 2006, p.21-22.

Meacham's article, featured in *The Sydney Morning Herald*, focuses on ways to communicate other than speech. This is a major purpose of the Major Work. He writes about Frank Warren, who initiated the sending of anonymous postcards to individuals who communicated their secrets with him through written communication. This influenced the character of Simon in the Major Work, as he communicates through the drawing of mathematical images and diagrams instead of using words

Murakami, H. (2006). Kafka on the Shore. London: Harvill Press.

Kafka on the Shore is set in a library, which relates specifically to the setting of the Major Work. Unlike in Murakami's novel, the library featured in the Major Work is a Living Library, whereby people are borrowed. However, Murakami's library has an informal undertone, and this is reflected in my writing of the setting of the library of the Major Work.

Murakami, H. (1999). The Wind-Up Bird Chronicle. London: Vintage.

Murakami's novels never cease to be inspirational. His effortless inclusion of post-modern theory has influenced my style of writing of the Major Work.

Newhall, B.P. (1997). *Heracles* [Internet]. [Place of publication unknown]: Encyclopedia Mythica Online. Available from: *http://www.pantheon.org/articles/h/heracles.html* [Accessed 1st June 2007].

This internet site was simply a resource when I used the metaphor of "Heracles' hell" to depict Hypatia's fate. The descriptions of the afterlife were edited out of the final work.

Noren, C. (catharina.noren@malmo.se), 8th February, 2007. Re: Information on the "Living Library". (sam_feitelson@hotmail.com)

Noren, C. (catharina.noren@malmo.se), 13th February, 2007. Re: Thank you for the reply. (sam_feitelson@hotmail.com)

Noren, C. (catharina.noren@malmo.se), 17th February, 2007. Re: Living Books. (sam_feitelson@hotmail.com)

Internet communications between Catharina Noren and I have proved to be a vital piece of research regarding my descriptions and functions of the Living Library institutions, as Ms. Noren was the librarian who established the institution.

Orr, T.B. (2002). *Pardon me...do you speak numeracy? What's the point in taking all these math classes?* [Internet]. [Place of Publication unknown]: Weekly Reader Corporation. Available from: http://findarticles.com/p/articles/mi_m0HUV/is_1_31/ai_90984054/print [Accessed 11th January 2007].

This article portrayed numerals as a form of communication, contributing to my understanding of mathematics as a language.

Pakula, K. (2007). "I still have 1500 paintings to do." *The Sydney Morning Herald, Spectrum*. March 24-25, 2007, p.18-19.

Pakula's article on artist Michael Johnson inspired me to revise the concept of the Major Work, presenting art as a form of communication as well. However, as the composition developed, I decided to limit my focus to simply mathematics.

Paton-Walsh, J. (1994). Knowledge of Angels. London: Black Swan.

This particular novel was an integral part of my research when developing the plot-line of the Major Work. It illustrates a quest for an ancient secret, which inspired me to develop a quest in my own work; Catherine's quest for Hypatia.

Paviour, A. (2007). The Science of Sleep. Who Weekly. May 14, 2007, Issue 794. p.78.

The Science of Sleep is a film distorting the distinctions between reality and imagination, reflecting post-modern theory. Paviour's review inspired me to use magic realism to create the ending of the Major Work; the transmogrification of Catherine and Hypatia.

Plath, S. (1972). The Bell Jar. London: Bantam.

Plath's novel, *The Bell Jar*, exposes the rise of feminism through a young woman's self-implemented and self-destructive path to her death. Such a melancholy concept is represented in the Major Work through Catherine's sacrifice to her obsession, Hypatia.

Radom, F. Personal Interview. 16th November 2006.

An interview with my school's resident psychologist initiated the development of the character of Simon, a young autistic savant. By talking with the psychologist, the behavioural tendencies I was to write about regarding the character of Simon were told to me without exaggeration. This interview proved to be a vital part of my independent research, as realism is important to implement when writing from a character's perspective.

Raphael, F. (2006). Some Talk of Alexander. London: Thames and Hudson Ltd.

This piece of non-fiction furthered my research on the Greek influences in Alexandrian society, and furthered my understanding of why Greek mathematicians were respected within Alexandrian culture.

Rosen-Grandon, J.R. (1995). *Touch: Communication or Power?* [Internet]. Greensboro, North Carolina: [Publisher unknown]. Available from: http://www.dr-jane.com/chapters/Jane110.htm [Accessed 17th February 2007].

Rosen-Grandon's article focuses on different forms of communication other than speech. This influenced my decision to attribute mathematics as a form of communication, thus revolutionising the purpose of the Major Work. Rather than write on a variety of forms of communication, mathematics was chosen as the single focus.

Routery, M. (1997). *The Serapeum of Alexandria* [Internet]. [Place of publication unknown]: Michael Routery. Available from: http://www.vinland.org/scamp/grove/kreich/chapter4.html [Accessed 3rd May 2007].

This internet site provided vital information on the Library of Alexandria, contributing to my research on the setting of Alexandria in the Major Work when writing in third-person narration about the life of Hypatia.

Sarup, M. (1993). *An Introductory Guide to Post-Structuralism and Post-Modernism*. Georgia: University of Georgia Press; 2nd edition.

A major theoretical underpinning of the Major Work is post-modern theory. Sarup's text has provided a wealth of information regarding the development of post-modern theory, which influenced the inclusion of Derridian and Lyotardian theory in the drafts of the Major Work.

Sayer, M. (2001). 15 Kinds of Desire. Sydney: Random House Australia Pty. Ltd.

Sayer's novel features fifteen short stories taking place in the Sydney suburb of King's Cross. Although my Major Work is suggested to be set in London, Sayer's style of writing, linking up the lives of several protagonists in each story, has influenced my decision to compose one single short story compiled of numerous mini-narratives instead of three concise short stories.

Tammet, D. (2007). Born on a Blue Day. London: Free Press.

Daniel Tammet's autobiography is a rare work, as autistic savants like Tammet often reject the written language in favour of numerical characters due to their communication limitations. Tammet's style of writing and inclusion of dialogue influenced my writing on the character of Simon, an autistic savant.

Thompson, S. (2007). *Six Tips for Editing Your Short Story* [Internet]. [Place of publication unknown]: Associated Content. Available from:

http://www.associatedcontent.com/article/224346/six_tips_for_editing_your_short_story.html?page =2 [Accessed 25th July 2007].

This internet site was helpful when I was in the process of editing the Major Work, as I was forced to confront the reality that the final product must satisfy the reader's enjoyment, not that of the author.

Tour Egypt (1996). *Egypt: History – Ptolemaic Dynasty* [Internet]. [Place of publication unknown]: InterCity Oz, Inc. Available from: *http://www.touregypt.net/alexhis1.htm* [Accessed 3rd March 2007]. This commercial internet site provided me with basic information on the history of Egypt. The information on the Ptolemaic Dynasty was particularly useful as it insinuated the authority of the Library

Tolzmann, D. H., Peiss, R., Hessel, A. (2001). *The Memory of Mankind*. New Castle, Delaware: Oak Knoll Press.

The Memory of Mankind is an illustrated reference guide to history's most celebrated libraries. One illustration by O. Von Corven is featured in the Major Work to convey to the readers the setting of the Library of Alexandria as it existed during Hypatia's time.

Treffert, D.A. (2006). *Wisconsin Medical Society – Savant FAQ* [Internet]. Fond du Lac, Wisconsin: Wisconsin Medical Society. Available from:

http://www.wisconsinmedicalsociety.org/savant/faq.cfm [Accessed 26th January 2007].

of Alexandria, which explained why Hypatia was so renowned in a patriarchal society.

Treffert's articles on savant behaviour inspired me to extend Simon's use of speech as a high functioning autistic individual, because I felt that his character was essential to explain the mathematical clues to Catherine.

United Artist Films. *Rain Man.* (1988). Oklahoma: Guber, P. 24th November 2006, [video: VHS]. The film Rain Man was useful to my research as it presents an autistic savant's interactions in a society that he has been isolated from for several decades. Although this film was created for mainstream cinema, from the knowledge I have gained from various pieces of research I feel as though it has accurately depicted the characteristics of an autistic savant, and thus the film inspired my development of the character of Simon.

Von Corven, O. [n.d.]. *Artistic reconstruction of the Great Library of Alexandria* [Online]. Available from: http://www.shc.ed.ac.uk/classics/undergraduate/greek/Greek1A1HATexts.htm [Accessed 14th February 2007].

O. Von Corven's artistic recreation of the ancient Library of Alexandria inspired me to develop the descriptions of the setting of Catherine's library and the great Library of Alexandria in the Major Work. This visual text has been incorporated in the Major Work as an expression to the reader of the magnificence of the library under Hypatia

Wajnryb, R. (2007). What's in a name? A boy's boredom, a mum's love. *The Sydney Morning Herald, Spectrum.* 6th January 2007, p.32.

I used this article to develop my understanding of the Derridian theory of the relationship between language and meaning, and the signifier and the signified, as one sign can be interpreted from a multiplicity of discourses depending on the responder.

Waters, J. *Cry-Baby*. (1990). Baltimore: Universal Studios. 14th December 2006, [video: DVD]. Although the medium of my Major Work is the short story, Water's film exemplifies the fundamentals of post-modern satire, parody, and irony. In the Major Work I have incorporated such techniques to exemplify Catherine's contempt for the outside world.

Waters, J.L. (2001). *William Butler Yeats' Poem 'The Second Coming' Analysed* [Internet]. [Place of publication unknown]: John L. Waters. Available from:

http://www.humboldt.edu/~jlw47/thesecondcoming.html [Accessed 10th June 2007].

William Butler Yeats' poem, *The Second Coming*, is featured on this internet site. One line in the poem, "*Things fall apart; the centre cannot hold*" provided me with an extended metaphor for Hypatia's conic theory, and thus was an excellent reference to literary theory as a link to mathematical resolution.

Weisstein, E.W. (2004). Conic *Section – from MathWorld* [Internet]. Champaign, Illinois: Wolfram Research, Inc. Available from *http://mathworld.wolfram.com/ConicSection.html* [Accessed 2nd March 2007].

Two images featured on this internet site feature in the Major Work, presented as Jia's comprehension of conic theory. These have been included in the Major Work to visually explain to the reader the mathematical concepts which dictated Hypatia's life.

Wenzel, J. (2007). Into the virtual library. *The Sydney Morning Herald, Spectrum*. April 21-22, 2007, p.33. This article, featured in *The Sydney Morning Herald*, details the function of the Library of Alexandria in ancient times and thus prompted me to reflect on the possibility of a digitised library of sources and texts. Through such reflection, I decided to set the Major Work in the year 2008, as I believe that in the near future, people may be willing to expose themselves to such technological and ideological developments.

Wertheim, M. (1999). *The Pearly Gates of Cyberspace: A History of Space from Dante to the Internet.* Sydney: Doubleday.

Wertheim's text integrates mathematics and science with the technological developments of certain periods of history. When I first began to plan the Major Work, this book brought to my attention whether I should focus on mathematics and science as a form of communication which transcends the limits of time, exemplified through my introduction of black hole theory in the story.

Wikipedia, Inc. (2007). *Hypatia of Alexandria* [Internet]. Place of publication unknown]: Wikimedia Project. Available from: *http://en.wikipedia.org/wiki/Hypatia_of_Alexandria* [Accessed 12th February 2007].

Although Wikipedia is often an unreliable resource, this article on Hypatia provided accurate background information on the mathematician's life, supported by further research using valid and reliable resources.

Wikipedia, Inc. (2007). *Kim Peek – Wikipedia* [Internet]. [Place of publication unknown]: Wikimedia Project. Available from: *http://en.wikipedia.org/wiki/Kim_Peek* [Accessed 20th January 2007].

This internet site provided me with an insight into the abilities of autistic savants, which inspired me when writing about the character of Simon in the Major Work. Kim Peek is a brilliant man who is able to calculate incredible mathematical sums without any tangible devices. His abilities have inspired those of Simon, who is also able to use only his mind for complicated arithmetic questions.

Williams, R. (2006). A life of absolute uncertainties. *The Sydney Morning Herald*. 11 12th November 2006. (Page unknown).

I found this article towards the beginning of the planning and composition process. It implicitly conveys the post-modern Derridian theory of the relationship between the signifier and the signified, which has been integrated into my Major Work through the metaphor of mathematics possessing an infinite amount of signs.

Woolfe, S. (1999). *Leaning Towards Infinity*. Sydney: Random House Australia Pty. Ltd.

Woolfe's novel is truly inspiring. The story's protagonist is a female mathematician, which signifies a dominant theme of my Major Work; the struggle of women in scientific fields. This work stirred me to

include a female protagonist studying mathematics, Hypatia (her story is also featured in Woolfe's novel), and Catherine, the female protagonist who searches for Hypatia using mathematics.

Zeitlin, S. (ed.) (1997). Because God Loves Stories. New York: Touchstone.

This anthology of short stories, all based on the theme of religion and God, was a useful resource when I was initially researching the medium of the Major Work; the short story.

Articles in Journals Two and Three

Article 1

Hough, L. (2002). Stage 6 HSC English Extension 2: Short Stories by Lyndall Hough. *mETAphor*. [Date of publication unknown]: p.34-39.

Lyndall Hough's resource on Extension Two English HSC regarding short stories has proved to be a useful reference when composing the Major Work. She provides information on how to engage the readers and how to fulfil the complete potential of the Major Work to convey a central purpose.

Article 2

[Author unknown]. [n.d.]. *Trigger* [4] Autobiographical Task Sequence. [Place of publication unknown]: [Publisher unknown].

The main idea in this article was the notion of a trigger evoking a change in an individual. I used this resource to establish a trigger for Catherine's search for Hypatia, being the note presented to the librarian by a mysterious stranger.

Article 3

[Author unknown]. (2006). Extension Two Major Work. Sydney: [Publisher unknown].

This source was useful as it provided information on the Extension Two English HSC Course as well as what is expected of the student. I used this information, as well as the syllabus criteria, when planning the composition process of the Major Work.

Article 4

Hairman, H. (2007). Some great Examples to Spark Ideas. Sydney: Unpublished.

I received a collection of short stories selected by my Extension 2 English mentor, which proved to be helpful when I was researching the medium of the short story. In particular, De Maupassant's short story *The Jewels* is one of my favourites, and inspired me to decide on the medium of the short story for the Major Work.

Article 5

Hairman, R. (2007). Experiments with Voice, Form, and Narrators. Sydney: Unpublished.

Raymond Carver's short story, *Viewfinder*, was given to me by my Extension 2 English mentor in a collection of short stories she compiled. Carver's style of writing, especially his use of fragmented dialogue, inspired me to integrate fragmented dialogue whilst writing about the living library, especially for the conversations between Catherine and Mr. Hyde.

Article 6

[Author unknown]. (2002). English Extension 2 – 2002 – Major Work Notes. Sydney: Unpublished.

This reference was useful as it provided me with the criteria for the English Extension 2 Major Work mediums. It presented the word count, the font choices and sizes, the preferred spacing, and the details of the cover sheet which all helped me edit and refine the Major Work.

Article 7

O'Connor, P. (2001). Stories for the Soul. The Sydney Morning Herald Spectrum. April 7th 2001, p.2-3.

O'Connor's article presents advice to writers on the types of stories which typically engage the reader. This was important in the planning process as I was able to determine which of my initial ideas would appeal to the specific audience and which would not.

Article 8

Campbell, F. (2005). Tale of all Tales. *The Weekend Australian*. February 5th-6th 2005, p.8-9.

Campbell's article was extremely useful when establishing the fundamental elements of a short story, and the importance of the foundation of a solid plot-line.

Article 9

Tabakoff, J. [n.d.]. The lost art of the raconteur. [Place of publication unknown]: [Publisher unknown].

This article on "the shortage of great stories in modern literature" inspired me to create a short story beyond the boundaries of traditional fiction, as I have included mathematical formulae, diagrams, and equations as metaphorical representations of the human condition.

Article 10

Dell'oso, A. (2002). *Storytelling skills – the 10 stages of dramatic storytelling*. [Place of publication unknown]: Anna Maria Dell'oso 2002.

This was an excellent scheme to follow when planning the stages of the Major Work, as the text focuses on the elements which are integral when writing an engaging short story.

Article 11

Australian Broadcasting Corporation. (2006). *Enough Rope with Andrew Denton Episode 127: Living Library (30/10/2006)* [Internet]. Melbourne: ABC Online. Available from: http://www.abc.net.au/tv/enoughrope/transcripts/s1776670.htm [Accessed 6th November 2006].

This transcript focuses on a particular episode of Andrew Denton's television show *Enough Rope* which featured the librarian Catharina Noren of the Living Library in Malmo, Sweden. The interview influenced the entire story-line of the Major Work. This transcript has provided the librarian's opinion on the project, as well as a transvestite who is borrowed, allowing the development of certain characters in the Major Work.

Article 12

Daly, T. (2006). Starting Your Extension Two Major Project. Sydney: Timothy Daly, 2005-6.

Playwright Timothy Daly presented a workshop to the Extension 2 English students at my school at the beginning of the composition process. His notes on the medium, the choice of ideas, research, plotting, characterisation, and the drafting and editing process were helpful when I was initially planning the project. Daly's advice on dealing with writer's block was especially helpful when I abandoned my initial ideas, and began to focus purely on mathematics as a language.

Article 13

Wikipedia, Inc. (2006). *Umberto Eco* [Internet]. [Place of publication unknown]: Wikimedia Project. Available from: http://en.wikipedia.org/wiki/Umberto_Eco [Accessed 8th November 2006].

This article provided background information on Umberto Eco, one of today's most prominent post-modern authors. Eco's fiction has inspired me to integrate mathematics into the Major Work, as his novel *Foucault's Pendulum* illustrates the post-modern theory of hypertextuality, incorporating visual images and prose in the novel.

Article 14

Nguyen, H. [n.d.]. *Journey to Freedom*. In: Dechian, S; Millar, H; Sallis, E. (ed.) (2004). *Dark Dreams*. [Place of publication unknown]: Wakefield Press.

My English Extension 2 mentor provided me with this short story, which was one of the deciding factors when I selected this particular medium for the Major Work.

Article 15

Wallis, C. (2006). Inside the Autistic Mind. TIME Magazine. 15th May 2006, p.44-53.

Inside the Autistic Mind was an extremely useful resource when I was researching the characteristics of autistic children. Simon, a minor character, is an autistic savant, and this information helped me develop his character and my choice of his use of limited dialogue, preferring to communicate using mathematics instead.

Article 16

Asperger's Syndrome Support Network (1992). 'Asperger's Syndrome: What is it?' *Autistic Family Support Association Inc. Newsletter.* [Date of publication unknown]: [Volume unknown].

The school psychologist provided me with a wealth of resources regarding Autism Spectrum Disorder and Asperger's Syndrome, which proved to be insightful when I was writing from the perspective of Simon, with autistic behavioural tendencies in mind.

Article 17

Fegan, L. (1998). Lydia Fegan Psychological Services Information Package: Social Stories. *Focus on Autistic Behaviour*. April 1994 Vol. 8.1.

Fegan's report on the social interactions of people with Autism Spectrum Disorders was vital when I was writing about Simon's interactions with other characters in the library.

Article 18

Williams, K. (1995). Understanding the Student with Asperger's Syndrome: Guidelines for Teachers. *Focus on Autistic Behaviour.* June 1995, Vol. 10 No.2.

This reference was useful when I was investigating the behaviour of children with Asperger's Syndrome who are high-functioning individuals. Although the character of Simon is an autistic savant, I intended for him to be a high-functioning individual with autism, able to handle a social environment.

Article 19

Jordan, R. (1992). The Special Educational Needs of Children with Asperger's Syndrome. *Paper to Inge Wakehurst Study Weekend on Asperger's Syndrome*. September 1992.

Further research on Asperger's Syndrome enabled the development of the characterisation of Simon and my writing on his social interactions in Catherine's library.

Article 20

Sacks, O. (1998). The Man Who Mistook His Wife for a Hat: The Twins. New York: Touchstone.

Oliver Sacks, a neurologist, has compiled an anthology of some peculiar cases he has supervised, and although these are not explicitly short stories, when reading them they are engaging and interesting reads. One story, entitled *The Twins*, was insightful as it portrayed the remarkable abilities of twin autistic savants whilst engaging the reader and incorporating mathematics as a language. His work inspired me to include a character of an autistic savant, Simon, able to communicate through mathematics.

Article 21

Wikipedia, Inc. (2007). *Daniel Tammet – Wikipedia* [Internet]. [Place of publication unknown]: Wikimedia Project. Available from: *http://en.wikipedia.org/wiki/Daniel_Tammet* [Accessed 28th January 2007].

Wikipedia's entry on Daniel Tammet encouraged me to further research such an incredible human being, an autistic savant who is able to convey his rare condition to the public through the written language. This led me to his novel, *Born on a Blue Day*, which in turn inspired me to create the character of Simon, an autistic savant.

Article 22

Treffert, D. (2007). *Kim Peek – The Real Rain Man* [Internet]. [Place of publication unknown]: Mnemonic. Available from: *http://stepanov.lk.net/mnemo/kimpeeke.html* [Accessed 31st January 2007].

Treffert's article on Kim Peek, an inspiring human being, conveys the spectrum of autism disorders, as Peek is an autistic savant who is able to interact with others and has an encyclopaedic memory. Peek inspired the character of Raymond Babbitt, played by Dustin Hoffman in the film *Rain Main*, which was an outstanding film to watch when developing Simon's use of dialogue and body language in the Major Work.

Article 23

Levy, D. (2007). *Counting words to make words count: Statistics optimize communication* [Internet]. Stanford: Stanford News Service. Available from:

http://www.standord.edu/dept/news/pr/01/aaasmanning221.html [Accessed 21st January 2007].

Levy's article expresses the idea that statistics optimize communication, indicating one purpose of my Major Work which is to convey mathematics as a language. It was this article which prompted me to include mathematical formulae and diagrams throughout the project.

Article 24

Grandin, T. (2000). *An Inside View of Autism* [Internet]. Colorado: Colorado State University. Available from: *http://www.autism.org/temple/inside.html* [Accessed 2nd February 2007].

Temple Grandin is a prominent professor in the United States of America who is also an autistic woman. She reveals her frustration when she could not communicate using speech at an early age, and her adult reflections on her condition supplied me with information on the effects of autism on young people. This in turn inspired me to extend the role of Simon in the Major Work.

Article 25

Grandin, T. (2000). *My Experiences with Visual Thinking Sensory Problems and Communication Difficulties* [Internet]. Colorado: Colorado State University. Available from: http://www.autism.org/temple/visual.html [Accessed 2nd February 2007].

Another article written by Grandin, this particular one focuses explicitly on the communication difficulties of autistic people. This helped me write the dialogue between Catherine and Simon when solving the mysterious mathematical symbols presented to the librarian.

Article 26

Suskind, P. (1987). Perfume. London, Great Britain: Penguin Books.

Perfume is one of my favourite novels, as Suskind's integration of post-modern literature in a historical narrative influenced my choice of style of the Major Work, as my project is written as a historical and post-modern narrative.

Article 27

Abergal, R. et. al. (2005). *Don't judge a book by its cover! The Living Library Organiser's Guide.* Budapest, Hungary: The Council of Europe.

Through regular internet correspondence, Catharina Noren, the librarian of the Living Library in Malmo, Sweden, sent this reference guide to me on how to operate a living library. This assisted me when writing about the setting of the Major Work, set in a living library.

Article 28

Barua, S. (2006). *The Invisible Women of Science and Technology* [Internet]. United Kingdom: FreeEducation Resources WebAPP. Available from: *http://freeducation.co.uk/cgi-bin/index.cgi?action=viewnews&id=161* [Accessed 8th February 2007].

This internet site was useful when researching Hypatia's educational background and developments on mathematical theory in Alexandrian society.

Article 29

Copi, I.M. (1972). *Introduction to Logic [Fourth Edition]*. New York, New York: The Macmillan Company.

Copi's work, *Introduction to Logic*, establishes the 'Rules of Inference' regarding mathematics as communication. Copi introduced the idea of mathematical symbols reflecting certain language conventions, which inspired me to integrate mathematics into the Major Work as a form of communication.