Name of Student:				
Course: BA3 Education				
Submission Date: 22/12/2020				
Lecturer/tutor: Mella Cussack				
Essay/Assignment title: Curriculum Studies Research Poster				
Word-count: 1350				
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Indicative grade:				

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Essay/Assignment Cover Sheet

Criteria	Ex	VG	Goo	Fair	Poor	Comment
			d			
Introduction (statement of						
problem, response to task)						
Range and use of						
appropriate sources						
Development of argument						
(analysis, interpretation)						
Conclusions (application,						
findings, outcomes)						
Presentation, language,						
academic conventions						

Tutor:	
Date:	

BA3 Student's :Claire Brogan & Courtney Burke

Obesity

Physical fitness is declared as a person's ability to perform particular health related exercises and tasks (Kohl, H and Cook, H, 2013). Physical activity is critical for public health. The benefits of physical activity enhances bone strength, therefore diminishing the possibility of the disease osteoporosis. Physical activity is known to improve flexibility, muscle strength, balance and coordination (Bloomfield et al., 2004). The absence of involvement in physical activity and decrease in fitness, notes a critical increase in the risk of health related diseases, particularly obesity (Boreham and Riddoch, 2001; Eisenmann, 2003; Malina, 2007; Steele et al., 2008). The record levels of overweight and obesity are surging among Irish children. The global examination of obesity among children have revealed that 9 percent of girls and 10,2 percent of boys are obese. Recent research has proven that Irish Girls are classified as 79th and boys 98th as part of the "WHO" report, for obesity (Online editor, 2017). The problem of obesity has being stressed and acknowledged for many years The 'Growing up in Ireland' recent project update has highlighted and underlined the issue of obesity.In 1998 the 'Growing up in Ireland' project conducted a study of development among thousands of 9 year old children. At this time the issue of childhood obesity was emphasized, 75% were labelled as having a healthy BMI, 19% were overweight and 7% were obese. At 13 the children were interviewed again and in their late teens. The issue of obesity, lingers a concern (Growing up in Ireland, Child Cohort '98).



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Fig. 1(Livelighter, 2010) Resources to help promot bealthy lifestyles. Available at livelighter-risks-of-obesity-infographic

Obesity's effect on Post Primary curriculum

Obesity is a factor that influences the post primary curriculum. Students spend a large portion of their time in school. (Nihiser, Merlo and Lee, 2013) expresses that schools can prevent childhood obesity by creating an environment for students to practice healthy behaviours and lifestyles by providing healthy meals, Pe and implementing school policies. At school, a child's body weight is formulated by their consumption of food and P.E (Carter, Collin, R. 2002).

Ireland has now introduced the examination of LCPE for senior cycle students as part of the curriculum. In September 2018, LCPE was phased among a cohort of 64 post primary schools.(Department of Education and skills , 2018). Two ways in which physical education is provided in post primary schools is LCPE and SCPE. The aim of LCPE is to "develop the learner's capacity to become an informed, skilled, self-directed and reflective performer in physical education and physical activity in senior cycle and in their future life" (NCCA, 2017, p.7). LCPE (Leaving Certificate Physical Education) is a choice subject that students can undertake as part of their Leaving Certificate Examination, with the obtaining of CAO points. In comparison the SCPE (Senior Cycle Physical Education) is a module for all Senior cycle students that is not assessed as part of the Leaving Certificate Examination (NCCA Framework, 2016). Furthermore, Irish post primary schools are beating the battle of obesity by developing PE as part of the curriculum.



Children and Youth Affairs on Tackling Childhood Obesity. day 2018. Available at: 2018-11-14_report-on-tackling-childhood-obesi

Bibliography

- Bloomfield SA, Little KD, Nelson ME, Yingling VR. American College of Sports Medicine® position stand. Medicine & Science in Sports & Exercise, 2004;195/9131/04):1985.
- Boreham C, Riddoch C. The physical activity, fitness and health of children. Journal of Sports Sciences.
- Carter, R.C., 2002. The impact of public schools on childhood obesity. Jama, 288(17), pp.2180-2180.
- . Crichton,M.,(2018)Mental Health and the importance of Pe., Sport and Physicial activity in the classroom http://www.afne.org.uk/physical-education/mental-health-and-the-importance-of-ne-sport-and-physical-activity-i Department of Education and Skills/Health Service Executive/Department of Health Ireland. (2013). Wellbeitr in Post
- on.le/en/publications/education-reports/well-being-pp-schools-guidelines.pdf> Last accessed
- Economic and Social Research Institute . (1998). Growing Up in Ireland the National Longitudinal Study of Children. Available: https://www.growingsp.ie/about-growing-up-in-ireland/>. Last accessed 22 December 2020.

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- NCCA. (2017). Leaving Certificate Physical Education. Available:
- Autros / courried monitors is general as 1817-033-840-3458-3893-40a 1988508784.CFE. Specification en.pdf>. Las accessed 22 December 2020.
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- O'Regan (6, (2015)):this youth may have higher rates of mental disorder than other countries. The Irish Independent, 11th October Available at
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 Steele RM, Brage S, Corder K, Wareham NJ, Ekelund U. Physical activity, cardiorespiratory fitness, and the metabolic syndrome in youth, Journal of Applied Physiology, 2008;105(1):342–351

 - Unknown, (2019). Leaving Certificate Physical Education Frequently Asked Questions. Available:
- https://www.education.ie/en/Schools-Colleges/Information/Currice-physical-education-fag-s.pdf , Last accessed 22 December 2020.

Introduction

The Department of Education expresses that in Ireland, the Minister for Education and Skills and assistance from the NCCA determines the curriculum for primary and post primary schools. The curriculum defines what is to be taught to students, the teaching methodologies and how assessment is undertaken in each subject. For our poster we are focusing on two domestic factors, Obesity and Wellbeing, which are currently influencing the post primary curriculum. Throughout our poster we have decided to link the correspondence of Physical Education on these two factors. We believe that the Physical Education syllabus of Junior and Senior cycle positively affects the school body in battling obesity and promoting wellbeing.

Well Being's effect on Post Primary School

The school environment plays a critical role in the developmen of young people by providing opportunities of learning, to develop friendships and to seek necessary support. Teachers and school staff play a prominent role in leading and implementing a positive approach to mental health promotion. The fostering of healthy relationships with teachers and peers enhances and encourages a supportive environment for building life skills and resilience (Department of Education and Skills/Health Service Executive/Department of Health Ireland, 2013). Schools promote positive mental health through their ethos and policies. A school policy reflects on the inclusion of respect and equality among the school community.



(Indicators of Wellbeing, 2000). (Junior Cycle Wellbeing

The introduction of the LCPE and the SCPE curriculum has a positive effect on student's well being as it enhances a student's opportunity to showcase their interest and skills in physical activity while also providing an inclusive learning experience in senior cycle. I one is in demand for all students, the (NCCA LCPF) curriculum specifications . 2017 states that LCPE is not only a subject for students who excel in sport, but includes the student population who have a diverse area of interests. The specification implements a positive, inclusive learning environment as it includes all genders, those with special educational needs and physical disabilities, and students from diverse backgrounds an opportunity for personal development and achievement (NCCA, LCPE Curriculum Specification, 2017).



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Wellbeing

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Fig. 3 (Laya/Healthcare, 2019) 10 Issues Impacting Mental Wellbeing Available at: 10 Issues Impacting Mental Wellbeing | Health

School's play a critical role in supporting and understanding young people to be physically healthy through education, the development of sports, exercise and physical activity throughout the school period (Th National Policy Framework for Children and Young People, 2014-2020). The factor of Well being is a positive influence on the curriculum as the introduction of P.E as a Leaving Certificate subject "promotes growth and development and has multiple benefits for physical, mental, and nsychosocial health that undoubtedly contributes to learning* (Kohl H and Cook. H, p97, 2013). The LCPE curriculum specification is assessed through three components, physical activity project, performance assessment and a written examination in June.

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Fig. 5 (Livelighter, 2010). Resources to beln promote healthy. Liferates available at Livel inhter - About Physical Activity

(NCCA statistics table, 2018)

Physical Activity

Project

Performance Assessment

Written Paper

Conclusion

Higher and Ordinary

Higher and Ordinary

To conclude our poster, the implementation of the Physical Education curriculum in post primary schools has a positive effect on the factors of obesity prevention and promoting healthy wellbeing. The levels of obesity in Ireland are expected to surge dramatically and could have one of the highest rates of obesity in Europe by 2030.(Oireachtas data, 2018). If every school introduces and implements LCPE and SCPE curriculum for senior cycle students, it could have a positive effect on the future health statistics. Health is the most important aspect of one's life and the curriculum of PE improves one's health through promoting exercise and a healthy lifestyle, P.E. offers the opportunity to create a connection between physical education and mental health, by encouraging a healthy way of life through healthy eating, exercise, a positive mental health, relaxation and stress management (NCCA Guidelines for Wellbeing in Junior Cycle, 2017). Overall, in our personal opinion, we feel that the factors of obesity prevention and wellbeing are positively influencing the post primary curriculum development, and creating a constructive learning environment among the school population.



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Obesity

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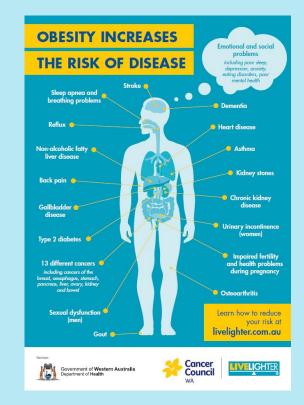


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Assessment Component	Weighting	Level
Physical Activity Project	20%	Higher and Ordinary
Performance Assessment	30%	Common
Written Paper	50%	Higher and Ordinary

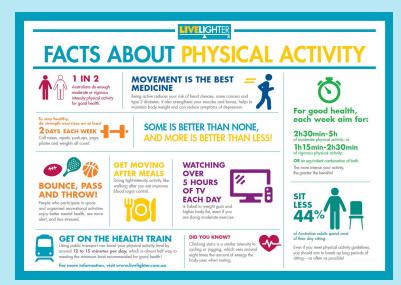


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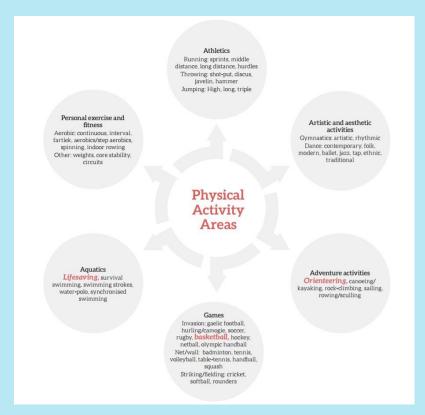


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Conclusion

To conclude our poster, the implementation of the Physical Education curriculum in post primary schools has a positive effect on the factors of obesity prevention and promoting healthy wellbeing. The levels of obesity in Ireland are expected to surge dramatically and could have one of the highest rates of obesity in Europe by 2030. (Oireachtas data, 2018). If every school introduces and implements LCPE and SCPE curriculum for senior cycle students, it could have a positive effect on the future health statistics. Health is the most important aspect of one's life and the curriculum of PE improves one's health through promoting exercise and a healthy lifestyle. P.E offers the opportunity to create a connection between physical education and mental health, by encouraging a healthy way of life through healthy eating, exercise, a positive mental health, relaxation and stress management (NCCA Guidelines for Wellbeing in Junior Cycle, 2017). Overall, in our personal opinion, we feel that the factors of obesity prevention and wellbeing are positively influencing the post primary curriculum development, and creating a constructive learning environment among the school population.



Bibliography

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- Boreham C, Riddoch C. The physical activity, fitness and health of children. Journal of Sports Sciences. 2001;19(12):915–929
- Carter, R.C., 2002. The impact of public schools on childhood obesity. *Jama*, 288(17), pp.2180-2180.
- Crichton,M,(2018)Mental Health and the importance of Pe, Sport and Physcial activity in the classroom
 http://www.afpe.org.uk/physical-education/mental-health-and-the-importance-of-pe-sport-and-physical-activity-in-the-curriculum/
- Department of Education and Skills/Health Service Executive/Department of Health Ireland. (2013). Wellbeing in Post Primary Schools Guidelines. Available:
 https://www.education.ie/en/publications/education-reports/well_being_pp_schools_guidelines.pdf> Last accessed 22 December 2020
- Economic and Social Research Institute . (1998). *Growing Up in Ireland the National Longitudinal Study of Children*. Available: < https://www.growingup.ie/about-growing-up-in-ireland/> . Last accessed 22 December 2020.
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- Malina R. Physical fitness of children and adolescents in the United States: Status and secular change. Medicine and Sports Science. 2007;50:67–90.
- Murphy.C,(2017), Ireland has one of highest teenage suicide rates in EU.The Irish Independent,19th June .Available
 at<https://www.independent.ie/irish-news/ireland-has-one-of-highest-teenage-suicide-rates-in-eu-35840201.ht
- National Council for Curriculum and assessment (NCCA), Curriculum and Syllabus -Department of Education and skills, viewed 22 December
 2020,<https://www.education.ie/en/The-Department/Agencies/National-Council-for-Curriculum-and-Assessment-NCCA-.html

- NCCA. (2017). *Leaving Certificate Physical Education*. Available: https://curriculumonline.ie/getmedia/41817053-8f40-4365-8893-dba1a68508f3/LCPE_Specification_en.pdf . Last accessed 22 December 2020.
- Nihiser, A., Merlo, C. and Lee, S., 2013. Preventing obesity through schools. *The Journal of Law, Medicine & Ethics*, 41(2_suppl), pp.27-34.
- Online editors.(2017)Shocking increase of childhood obesity in Ireland revealed .The Irish independent , 11th October.
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