



DELHI PUBLIC SCHOOL

Secunderabad

PC:MV:025/2018-19

Dear Parent,

Education is what remains after one had forgotten what one had learned in school.
- Albert Einstein

We, at Delhi Public School Secunderabad believe that **Project Based Learning** helps students develop skills for living in a Knowledge based, highly technological society. Students in the 21st Century are required to solve problems that requires two types of skill sets – one of basic subject knowledge, reading, researching and writing and the other skill sets of 21st Century –teamwork, problem solving, information synthesizing, and time management. Project based learning will thus empower students to gather content knowledge on their own and demonstrate a new understanding through their presentation.

Given overleaf are the proposed science projects for Classes **V to VII**. The summer projects carry **10 Marks** and are a part of the **Subject Enrichment Activities** for the academic session 2018-19. Students will have to prepare a project report of about 10-12 pages including the Cover page and Bibliography under the following Sections:

- *Cover page - Students have to fill in the details in the cover page attached and a printed copy of the same to be pasted on the project file cover made of handmade paper.*
- *Acknowledgements*
- *Table of Contents*
- *Contents :The project must begin with an introduction followed by the main content in their own words. They must **NOT** cut, copy and paste chunks from other books/resources. Pictures, photographs/ illustrations must clearly bear the title and must be placed alongside the related text.*
- *Conclusion: The conclusion should be clear and precise, and must identify gaps in our understanding or any other limitation.*
- *Bibliography - Sources used in a project should be compiled into a list called a Bibliography. Sources in a bibliography should be listed alphabetically by last name of the author. (Given overleaf)*

The project should be presented in a folder /file on **White A4 size papers with half inch border on each page**. The project must be presented in a **handmade file cover**. The file cover must be only half an inch bigger than A4 size paper. There must be a page for teacher's remarks at the end.

The Project Report should be submitted by the students to their respective Science teachers on or before **Monday, 11 June 2018**. Your ward may gather the required material and seek the guidance of his/her teachers during the course of preparation of the project report.

We wish your ward an enriching time.

Shalaja Gopinath
Principal

Class	Topic	Sub-topics
V	<p>Cultivation of Crops in India</p> <ol style="list-style-type: none"> Food crops (Wheat, maize, rice, millets, pulses) Cash crops Sugarcane, cotton, tobacco, jute, oilseeds) Plantation crops (Coffee, coconut, tea, rubber) Horticulture crops (Mango, banana, orange, pineapple, strawberries) 	<p>Prepare the project report on any one of the topics given. The information presented must include</p> <ul style="list-style-type: none"> The regions where the crops are cultivated (The common regions of cultivation could also be shown on a map) The type of soil they grow in The season that they grow in The method of cultivation
VI	<p>Garbage in garbage out</p> <p>The project report should include the management of the following solid wastes:</p> <ol style="list-style-type: none"> Municipal waste Biomedical waste e-waste Industrial waste Plastic waste 	<p>The project report should cover the following for each type of waste.</p> <ul style="list-style-type: none"> Sources of waste Amount of waste produced Challenges for disposal of the waste Methods to reduce waste – 3 Rs Managing wastes
VII	<p>Water supply and its management</p> <p>The project report should cover the following topics</p> <ul style="list-style-type: none"> Water supply in cities Water pollution 	<p>How is water supplied to our homes?</p> <ul style="list-style-type: none"> Origin of water – Rivers, Well or borehole Treatment of water in Water treatment plants to make it safe Supply of water to homes through a network of pipes and reservoirs. Causes of water pollution Consequences of water pollution Steps to minimize pollution

Bibliography

- Book - Author last name, first initial. (Year published). *Book title*. Publication city: publishing company.
- Journal Article- Author last name, first initial. (Year published). Article title. *Journal title, volume number, page numbers*.
- Magazine Article - Author last name, first initial. (Publication date). Article title. *Magazine title, volume number, page numbers*.
- Encyclopedia Article - Author last name, first initial. (Year published). Article title. In *Encyclopedia title*. (Vol. volume number, page numbers). Publication city: publication company.
- Newspaper Article- Author last name, first initial. (Publication date). Article title. *Newspaper title, page numbers*.
- Website- Author last name, first initial. (Publication date). "Article title." *Website title*. Retrieved date, from URL

Examples

Book (One Author) - Ruechel, J. (2006). *Grass-Fed Cattle*. New York: Storey Publishing.

Book (Multiple Authors) - Fonda, A, and Terezian, J. (2000). *Banking in NYC*. New York: Random House.

Journal Article (One Author) - Powell, H. (2003). Implementation of GIS in Soil Analysis. *Soil Technology*, 47, 295-308.

Journal Article (Multiple Authors) - Maddox, A., Ali, A., and McNamara, J. (2003). Effect of Visiting Animals on Patient Recovery. *Hospital Observations*, 58.6, 12-18.

Magazine Article - Fellon, B. (2004, May 6). *Aurora Borealis. Travel*, 16, 36-41.

Encyclopedia Article - Jones, A. (2001). Certificates of Deposit. *Encyclopedia of Finance* (Vol. 2, 123-25). San Francisco: Macmillan, 2001.

Newspaper Article - Corvallis, P. (2004, April 8). Development Threatens Farmland. *Mesilla Valley Bulletin*, A3.

Website - Applegate, T. "Judging the Credibility of Sources." *Your Source for Sources*. Retrieved September 4, 2012 from <http://sourceforsources.com/articles/article.php/3398511>.