

GRADE 5 – LEARNING THROUGH INVENTION

SPRING BREAK ACTIVITY



Dear Parent

As part of the 'Cambridge Internal Assessment,' Merryland International School would like to provide an excellent platform for pupils to exhibit their talents in various subjects by participating enthusiastically in research and model making activities during this spring vacation.

Participation is compulsory as every child is expected to take part in at least 1 research of his/ her area of interest. The work will be marked for internal assessment and will also be on display for parents and important visitors.

All projects must be submitted on 10th April 2017

We request our dear parents to encourage your child to take active part in this activity as it helps develop writing, oral presentation, creative thinking, and problem solving skills.

Topics for Research

Science and Math

Finding an idea for the project can be the most difficult part. Some students spend more time looking for a topic than doing the actual experiment. Ideas for projects can come from many sources of the World Wide Web.

List of websites with topics and ideas

- <http://www.sciencekids.co.nz/projects.html>
- <http://www.scholastic.com/teachers/article/40-cool-science-experiments-web>
- http://www.scienceprojectresources.com/3rd_Grade_Science_Fair_Projects.asp
- <http://www.science-fair-guide.com/>
- <http://www.cool-science-projects.com/Science-Fair-Project-Ideas.html>
- <http://www.isd77.k12.mn.us/resources/cf/ideas.html>
- http://www.sciencebuddies.org/mentoring/register_guest.php 4.
- <http://www.twingroves.district96.k12.il.us/ScienceInternet/GetStarted.html>
- <http://www.all-science-fair-projects.com/>
- Love Math? Math Projects <http://camel.math.ca/Education/mpsf/>
- Energy Quest Science Fair Projects
<http://www.energyquest.ca.gov/projects/index.html#chemical>

- Electrochemistry Experiments
http://www.funsci.com/fun3_en/electro/electro.htm

TOPIC OF RESEARCH:

English: Poets and poetry

- Pupils should be creative and innovative in presenting their own poems for display.

About Poets

- Writing an autobiography/biography as a famous poet
- Diary entry as a poet

Working and static models for

Math:

- Research- different types of polygons seen around
- Model Making- lines of symmetry on a polygon

Physics:

- Space exploration- UAE's contribution- Research
- Different Satellites – Model Making

Chemistry:

- Water Conservation and water cycle- Models

Biology:

- Human Heart disease- cause, prevention and awareness- research
- Human Heart- Model Making with electric circuits

ICT:

- Biometric devices- types and uses- Research