

MYP HUMANITIES YEAR 2.

MAGNIFICANT MINDS OVER MATTER

Intelligence and Invention Tasks

Focus question:

People use their intelligence to explain the world, and then create things that have positive and/or negative consequences. ? (HI)

Unit Aims:

- Develop understanding and respect of different views people had at different times
- Develop an understanding of the causes and consequences of change through human actions and processes
- Develop awareness and understanding of people and events in a variety of places and at different times
- Describe, explain, and evaluate why change happens and why at a particular rate
- Observe, select, and record relevant information from a wide range of sources
- Develop and inquiring mind by planning, carrying out, and presenting individual and group investigations relevant to a topic

Unit Objectives:

- Generate questions they have about a topic
- Plan, carry out, and present individual and group investigations relevant to a topic
- Use descriptions and explanations, supported by relevant facts and examples to show their knowledge about the topic
- Describe, explain, and justify how time and views people had at different times influenced creations
- Describe, explain, and evaluate how change has had positive and negative effects on humans and the world
- Describe, explain, and evaluate why change happens and why at a particular rate
- Observe, select, and record relevant information from a wide range of sources
- Use a variety of strategies to present independent research
- Read a variety of text to gather information

Humanities Criteria:

Criteria A: Knowledge and Understanding.

Demonstrate knowledge and understanding of how innovation changes over time.

Criteria B: Concepts.

Explain how innovation causes change and the positive and negative consequences of the change.

Criteria C: Skills

Demonstrate research and investigation skills. Analysis of the information critically.

Criteria D: Organization and Presentation.

Organize information in a logically sequenced manner. Present information suitable for a known audience.

Areas of Interaction:

ATL	Study habits, Communication, Research, Reflection, Analysis
HI	Invention, innovation, consequences, change
Links-IDU	English, Design Technology

Requirements:

- Each **Thursday** you will be expected to submit one of the completed tasks below, with the exception of the final task, Interpersonal. This needs to be completed by Wednesday 17th December.
- You **MUST** complete **5** tasks in total.
- You **MUST** complete the **Interpersonal, Linguistic, Spatial** and **Logical/Mathematical** components, and choose one other task from the remaining components.
- Your **final task** needs to be the presentation of your invention and your sales pitch. These presentations will happen the week December 17th. We will assign specific times to people closer to the time.
- Your first completed task is due **Thursday 21st November**
- You will be given class sessions to work on these tasks but there will also be an expectation that you work independently on these tasks as part of homework requirements.

Bodily - Kinesthetic: Back in the day replica (Optional)

In pairs, research an invention before the 1900. Create a replica of the invention. (It does not necessarily have to be the same size as it would have been in reality). In at least 2 paragraphs, explain what the innovator would have had to know (knowledge) in order to create this invention. Use a **compare and contrast chart** to show how different the invention would have been if it had been invented in year 2008. Remember to include how long it would have taken to produce this invention today compared to when it was invented and account for the differences (explain).

Intrapersonal: Inventions and you (Optional)

Make a list of ten inventions you could do without. List them in priority order. For each, explain how your life would change without them. Evaluate whether the advantages and disadvantages of this innovation outweigh the other or visa versa

Verbal - Linguistic (Required)

Research the terms 'intellectual property', 'copyright', 'patent', and 'plagiarism' and familiarize yourself with these terms. Not just dictionary definitions but explain how and why they are used. Then in at least four paragraphs explain why the patent and copyright process was introduced and how you think these processes would protect an invention and innovator and/or perhaps frustrate them. Again, use examples to justify your ideas.

Spatial: Blue Sky Technology. (Required)

Using Photoshop, design and new personal digital device. The function of the device is up to you but the technology involved must either exist already or be plausible in the near future. (Blue Sky). You must create a 3D photorealistic design; explain the technology involved and the intended market.

Logical - Mathematical: How do innovations reflect the views that people had at different times? (Required)

You have been assigned a small group. In this group you will research innovations and innovators of a particular era of time. For example: 1920-1940. You must complete the following tasks and present your findings in an aesthetically pleasing way as part of a class mural that shows innovation through time on a timeline.

- List the inventions and key innovators for the given time period
- Why did people create these innovations? Justify your ideas with reasons and examples
- Identify and explain the positive and negative consequences of the innovations from this period on society and the environment
- From your research can you make any generalizations about the needs or views of people during this era of time. Justify your idea.

Naturalistic: Green Technologies (Optional)

Green technologies are becoming more important. What are the major innovations that are being used or trialed around the world? Find out about **3 major efforts** to use green technologies. These should be major initiatives on a large scale with major impact. Present your findings to the class in an appropriate manner

Interpersonal: Advertise and promote your new product: (Required- Final task)

With Design class, you have designed and created a new "Blue Sky" invention. You have just been told a company is interested in launching your product and wants you to share a proposal with them at an upcoming board meeting. In your **groups**, write and present a **professional** proposal to the class. In the proposal you must:

- Explain your invention and what motivated you to produce it
- What made you an expert in this field of innovation
- Explain and justify why people will want to buy your invention and why it is better than the competition
- Outline and explain any problems your invention might create and suggest solutions to overcome these
- Explain your conditions and terms of contract. For example: what will you do for the company in return for the company's help? What return on profit will you expect and can they expect? Who will have copyright rights of your product? How long will the contracts last?
- You may like to make visual aids to support your presentation and even dress formally for the occasion

Musical: A matching song (optional)

At the beginning of the unit you were asked to research one particular inventor or designer. Write a song about this person by changing the lyrics of an existing song. Highlight reasons and facts about the types of people the innovators were or are to justify why you have chosen the particular piece and genre.

Or

Write a jingle to promote your invention. Use Garageband to write the music and to add lyrics.