Exploring Technologies

Western Technical-Commercial School

Name:

Date: Section #:

Career Research

What Career Area am I Interested In?

Situation:

A class of Grade 9's needs to make an informed choice as to which technical subjects they wish to select for the next year. Each of the subjects taught at Western is not very well known to students, yet they know what their educational strengths, skills and future interests are. Some form of information must be created, to make an informed decision about their future.

The Challenge (Requirements):

The challenge is to create an eye-catching, informative, Power Point or similar presentation, based on one career and technical subject pathway. The presentation is to inform and market your selected career and related school pathway using slide titles, key points, pictures, illustrations, diagrams, etc. done over three to four weeks with check points and include:

1) Main Title Slide
2) Contents/Overview
3) Description and Responsibilities
4) Post-Secondary Schooling Requirements
5) Salary/Wage Levels
6) Grade 10 Course Outline
7) Related Grade 10 Course Info
8) Course Flow Chart
9) Current, Future Preparation, and Options
10) Future Outlook and Demand
11) Summary and Conclusion
12) Source/References

Support Resources, Ideas and Time:

There are several areas that you may get *resources* from. Some of these could include the subject teacher, Guidance, Library, Co-op, school agenda, people in that career, parents, current related magazines, and newspapers, school course list and the Internet.

Tips: use 2-3 sources for topics, create Google slides with consistent clear font, large text size, contrasting colour, layout, theme. Rehearse your talking points and keep your 12-slide presentation to about 4-5 min.

Timelines: First day sign up for subject area - first column filled first, then the second. Steps are related to Create and Construct section, found online.

_____ Overview, selection SPICE, and rough notes (steps 1-4)
_____ Presentation rough sketches (step 5)
_____ Final G Slide template (step 6)
_____ Final G Slide content (step 7-11)
_____ Talking points (step 12)

Subject/Career Direction

Review the following broad-based clusters, narrow down to a unique subject area offered here at Western, then decide on a related specific career field for your career research PPT.

Communication Technology: - Graphic Design Audio & Video, Photography, and Animation

Computer Technology: - Software, Programming, Hardware, and Service

Technological Design: - Mechanical, Architectural, Civil, Interior, and industrial Design

Construction Technology: - Electrical Technology, Building Construction, and Woodworking

Transportation Technology: - Auto Body and Auto Mechanics

Manufacturing Technology: - Tool & Die, Machining, Robotics and Welding

Hospitality: - Food, Family, Fashion and Design

Project Process

We can use **SPICE** (Design Process model) for solving all kinds of problems and accomplishing tasks. Knowing and understanding the process steps, you can apply them to your task/goal. After reviewing the SPICE steps/definitions, apply it to this research project:

Situation:

_____

_____

~~Problem~~ (**Challenge**):

_____

_____

_____

Investigation & Ideas:

_____

_____

_____

Create & Construct:

_____

_____

Evaluation:

_____

_____

Note: Plan ahead, with part/steps to get each section completed effectively.

After deciding on a career and related subject area, use Presentation Slide Breakdown list to organize/create your research doc to start. Use timelines to stay on track.

Check List for Presentation

Use this self/peer evaluation checklist below to double check that you have completed all work, collaborate with peer, to earn marks and get feedback from your peer partner.

Once done your work prior to submitting, objectively give yourself a self-evaluation mark, have a peer review/mark your work with feedback on how to improve, before submitting to get marked by teacher. The peer review/mark/feedback is expected as part of the process, to earn full marks.

Your selected career field: _____

#	Process/Step	Checklist/Descriptions	Marks	Self-Eval. Mark	Peer-Evaluator name_____	Teacher Mark
Self/Peer Checklist and Evaluation Table for your project process on your Related Career						
P1	Rough Report	☐ Sign-up – subject/career /1 ☐ G Doc template created /3 ☐ SPICE HL /10 & Overview HO /15 ☐ 6 Rough points per 9 topics /36	65			
P2	2 Rough PPT	☐ Sketch page layout /5 ☐ Two slide layouts /10	15			
P3	G Slide Template	☐ Title slide /5 ☐ Info slide /10	15			
P4	Final PPT	☐ Final template – all slide blanks /5 ☐ Rough notes to speaker notes & refine /5 ☐ Text content 4 points/slide /10 ☐ Quality related pics 40-50% of slide /10	30			
P5	Talking Points	☐ Slide text content expanded ~ 30 sec/slide	24			
		Final Presentation				
F1	Content	☐ * Key topics (above) are all there	18			
F2	Layout	☐ Organized /5 ☐ Visual appealing /5 ☐ Easy to read /5	15			
F3	Presentation	☐ Content discussed /5 ☐ Communication /5 ☐ Knowledge /5 ☐ Time (4-5 min) /5	20			
		Total up your marks for Final PPT →	58			
		Self and peer marks out of 20 (Completed by teacher)				