

Project Based Learning Planning Sheet

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Skills of the 21st Century (Ian Jukes InfoSavvy21.com)

1. Intra-personal Skills are internal skills, perceptions and attitudes that occur within a person's own mind. Skills that individuals use to work through real world situations. Skills that allow individuals to respond using awareness, thought, and intentional strategy in order to gain positive outcomes.

2. Interpersonal Skills are the life skills we have to use every day to communicate and interact with other people, both individually and in groups. Interpersonal skills include such things as non-verbal communication, being able to conduct a conversation, being able to give positive feedback, the ability to listen, being able to persuade, debate, convince, sell, or defend a position, the ability to ask questions, being able to communicate respectfully, social and cultural awareness, being able to accept criticism, and personal assertiveness.

3. Independent Problem Solving Skills involve students learning a structured mental process that will allow them to independently solve complex problems in real-time. The world is in desperate need of analytical thinkers who are able to compare, contrast, evaluate, synthesize, and apply their analyses in order to answer difficult questions or solve problems in real time – independently without instruction or supervision.

4. Interdependent Collaboration Skills include such things as planning and facilitation skills, being able to organize functional teams with members who complement one another, the ability to take on a role within a group, being able to criticize ideas without criticizing individuals, negotiating within a team, group brainstorming, group problem solving, eliciting and listening to feedback, and taking responsibility for designated tasks

5. Information Investigation Skills We want students who can differentiate between reliable and unreliable information sources in order to determine the credibility of a wide range of digital and non-digital materials. We want students to be information investigators who are able to apply a structured mental process we call the 5A's (Ask, Access, Analyze/Authenticate, Apply, Assess) to solve information problems.

6. Information Communication Skills Every student and every teacher needs to know how modern readers read, they need to understand the principles of graphical design and typography, the principles of color use, the principles of photo, the principles of sound production and the principles of video composition as well as how to use this knowledge to effectively communicate information to others.

7. Imagination Creativity Skills . Imagination Creativity involve two processes: conceiving, then producing. If you have ideas, but don't act on them, you are imaginative but not creative. To be imaginatively creative. you need to both generate an idea as well as find a creative ways to communicate that idea.

8. Innovation Creativity Skills The whole idea of innovation is that we are going to do something that is improved or new. The first key to sparking innovation is to have students examine products or processes they are familiar with. The important factor is not for their ideas to be successful, but to get them to start thinking about how they can improve something that already exists. This kind of thinking is greatly valued in the world today.

9. Internet Citizenship Skills . Internet Citizenship is about protecting yourself in the online world, protecting others in the online world, and protecting the work of others in the online world. Internet Citizenship is about a set of ever-changing social conventions about how people should act using digital technology. Internet Citizenship includes online etiquette, basic courtesy and privacy considerations; common rules and practices for email, messaging, web browsing, social networking as well as behavioural expectations for any online tool.

Project Title

Description of Project

Resources

| | | | |
|-------------------------|------------------|--|--|
| Interactive White Board | Microsoft Office | | |
| Desktop PC | Connect | | |
| Notebook PC | Google | | |
| Tablet Computer | Scratch | | |
| USB Microscope | Tynker | | |
| 3D Printer | YouTube | | |
| MBot Robot | Weebly | | |
| Edison Robot | | | |
| Raspberry Pi | | | |
| Document Camera | | | |

Australian Curriculum

English

Mathematics

Science

Technologies

The Arts

Health and PE

Humanities and Social Sciences

Languages