# Integrating Technology into your Science Classroom

http://nobel.scas.bcit.ca/debeck_pt

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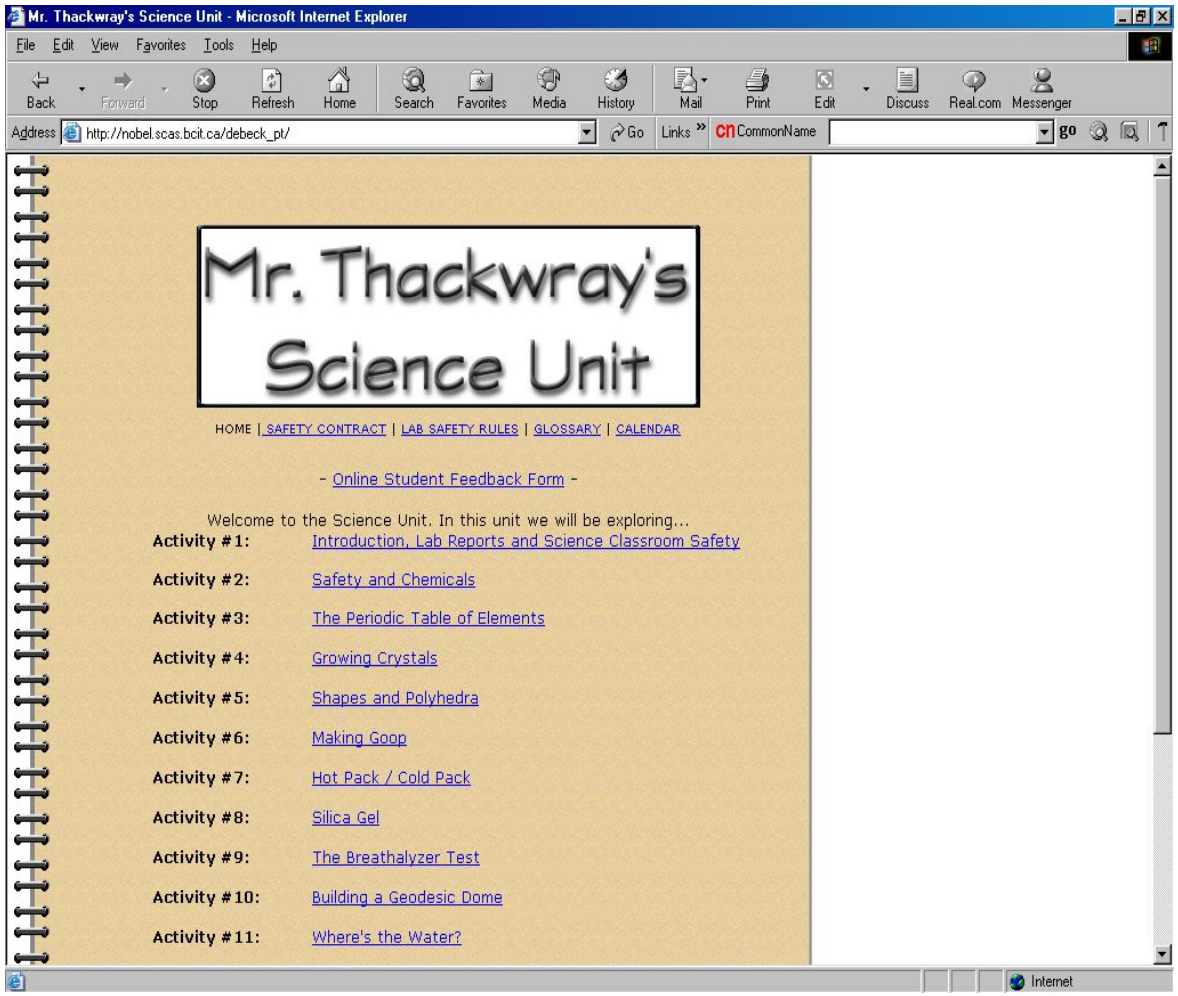
**http://nobel.scas.bcit.ca/catalyst2003**



# Integrating Technology into your Science Classroom

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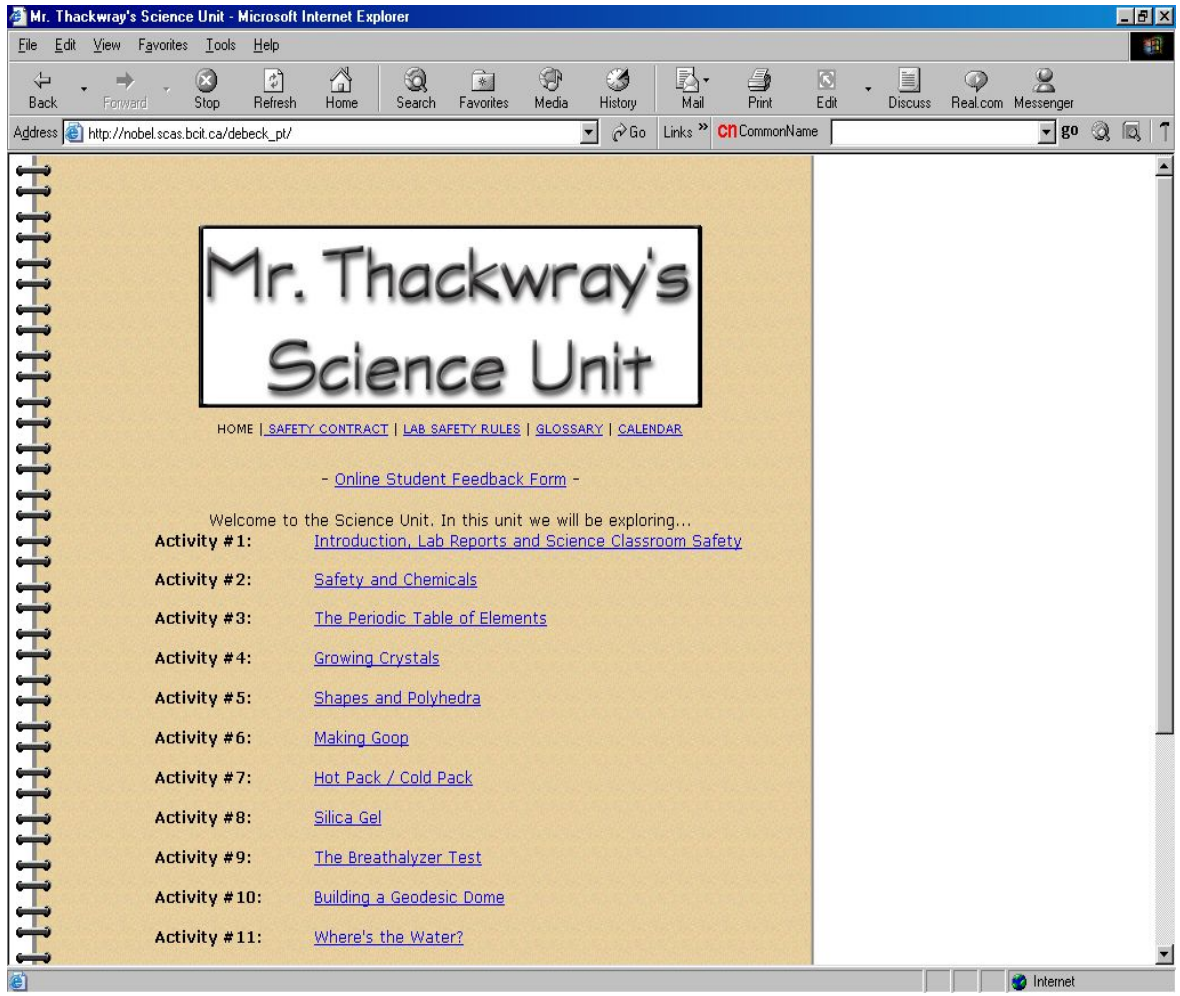
## What does this mean?

Integrating technology into the science classroom is a strategy used to employ the World Wide Web (WWW) and some of its many resources as an interactive tool to engage students in the curriculum.

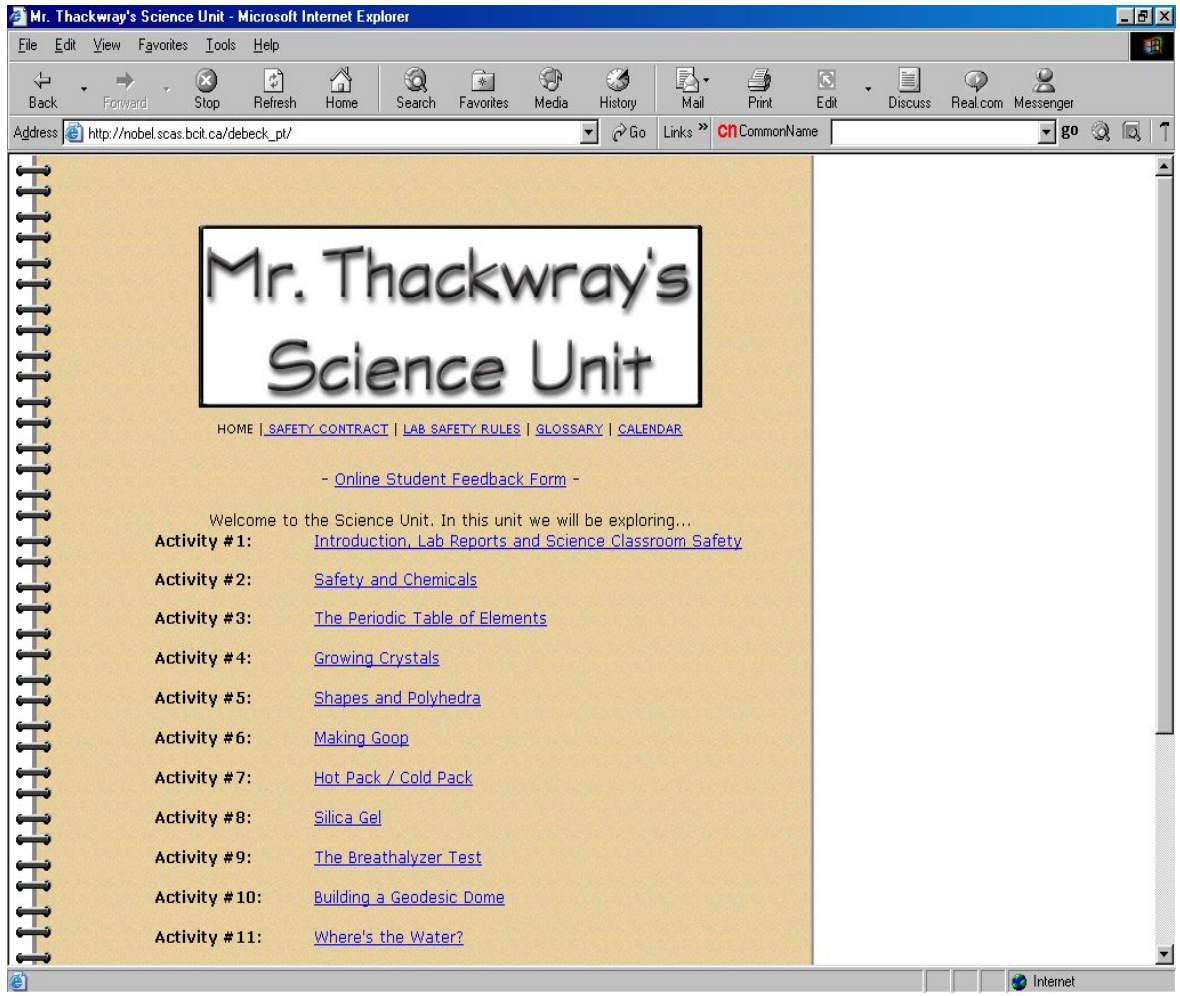
It was prepared in response to students' enthusiasm towards using the the concept of hypermedia and the World-Wide Web as a learning tool.





## Why integrate technology?

- have a 24-hour on-line tutoring service to improve student study habits through user-initiated learning.
- effective way for teachers to inform parents about what their children are doing in school.
- enables students to communicate to parents more effectively about what they are doing in school.
- can be very helpful for visual learners. You can use images of the actual items you are using.



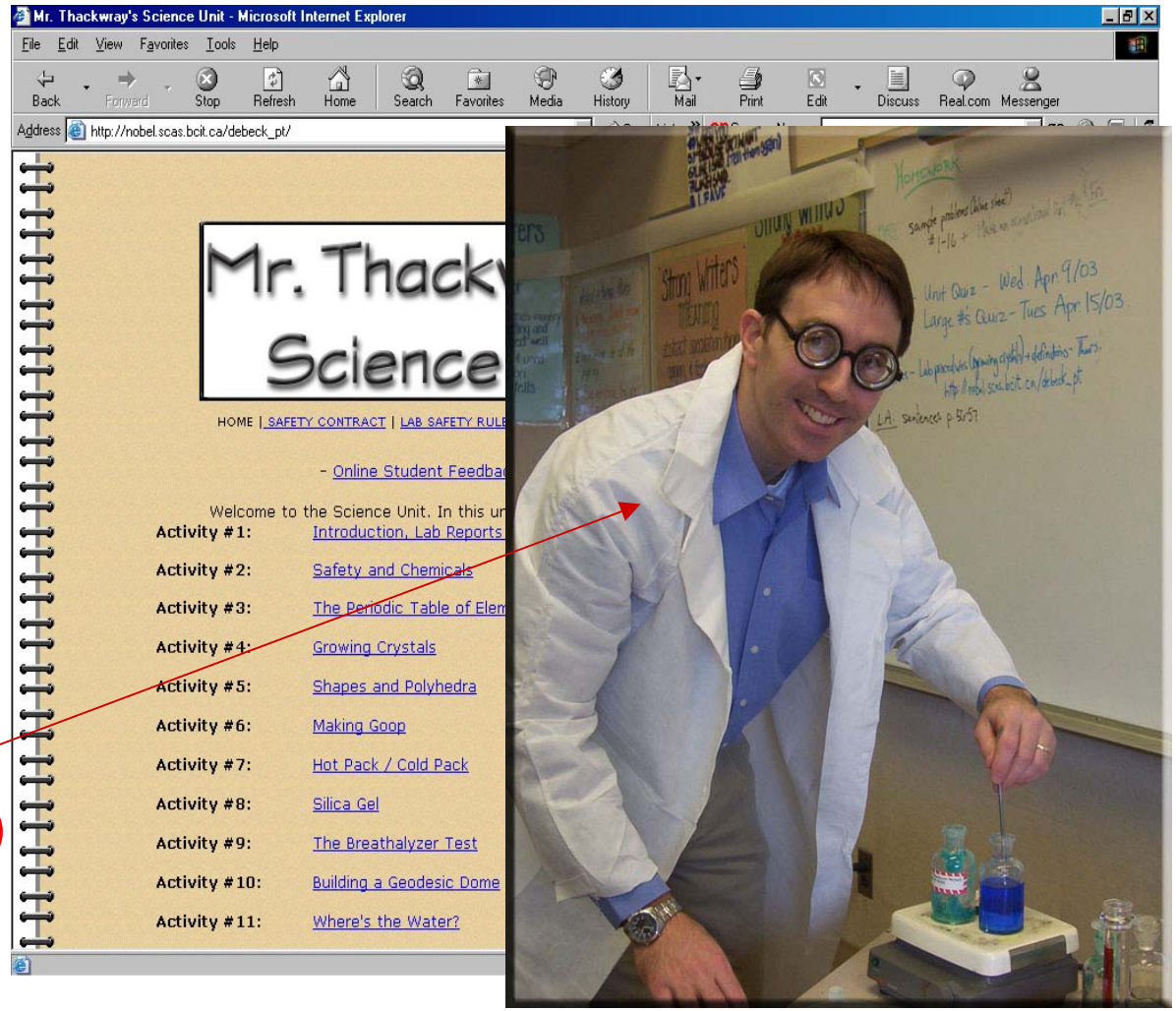


## Who can integrate technology?

- anyone interested in investing a little time at the front end to save volumes of time down the road.
- if you have: a computer with internet connection, server space on which to display your site, and text writing (with some knowledge of HTML) or web building software.

YOU!

(If this guy can do it…)





How can I do this?

- Take a unit or lesson you have developed.
- Start with a simple plan or framework.
- Build from the simple.

Note:

Technology integration is not at the expense of student involvement and "hands on" learning.



How can I do this?

Example of a simple framework of headings:

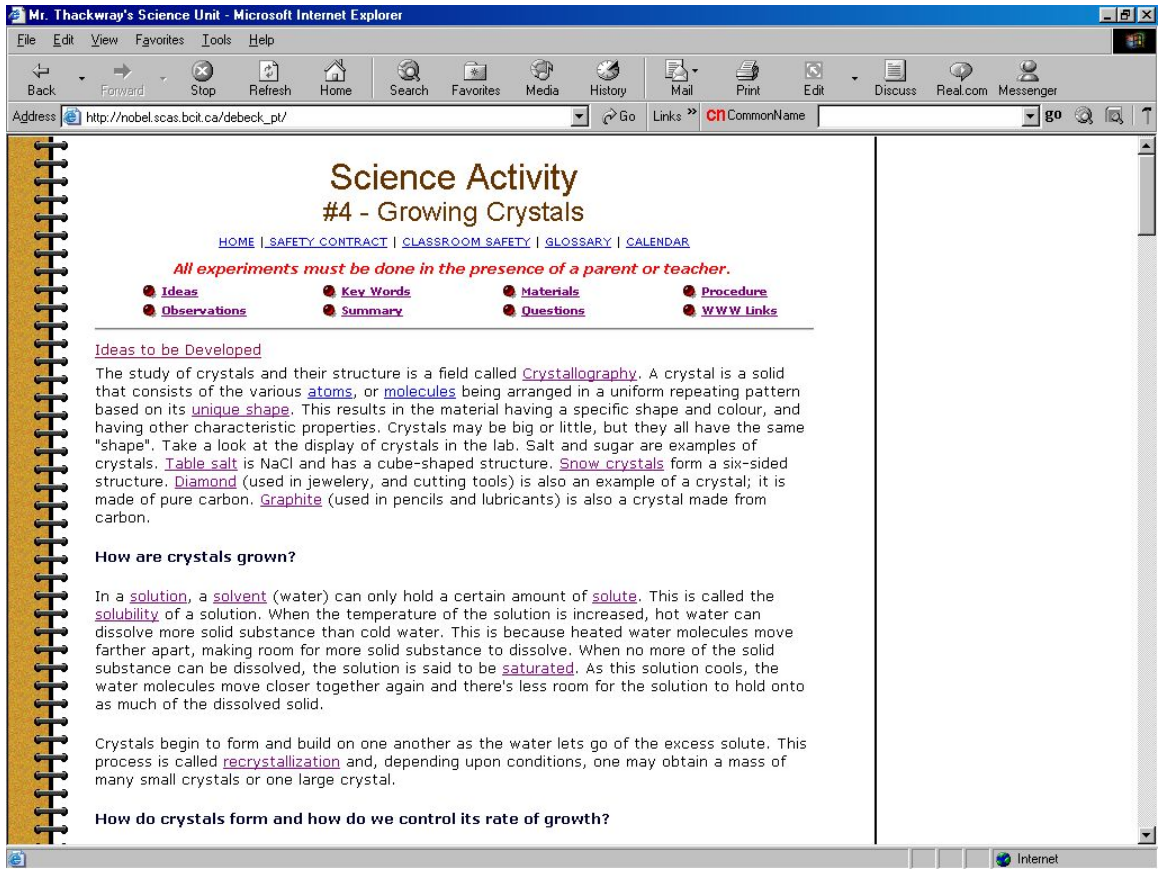
- Ideas to be Developed
- Key Words
- Materials Required
- Procedure
- Observations
- Summary
- Questions
- WWW Links



How can I do this?

Ideas to be Developed

- Start with your objectives. Let the students know where you want to go with the lesson/unit.

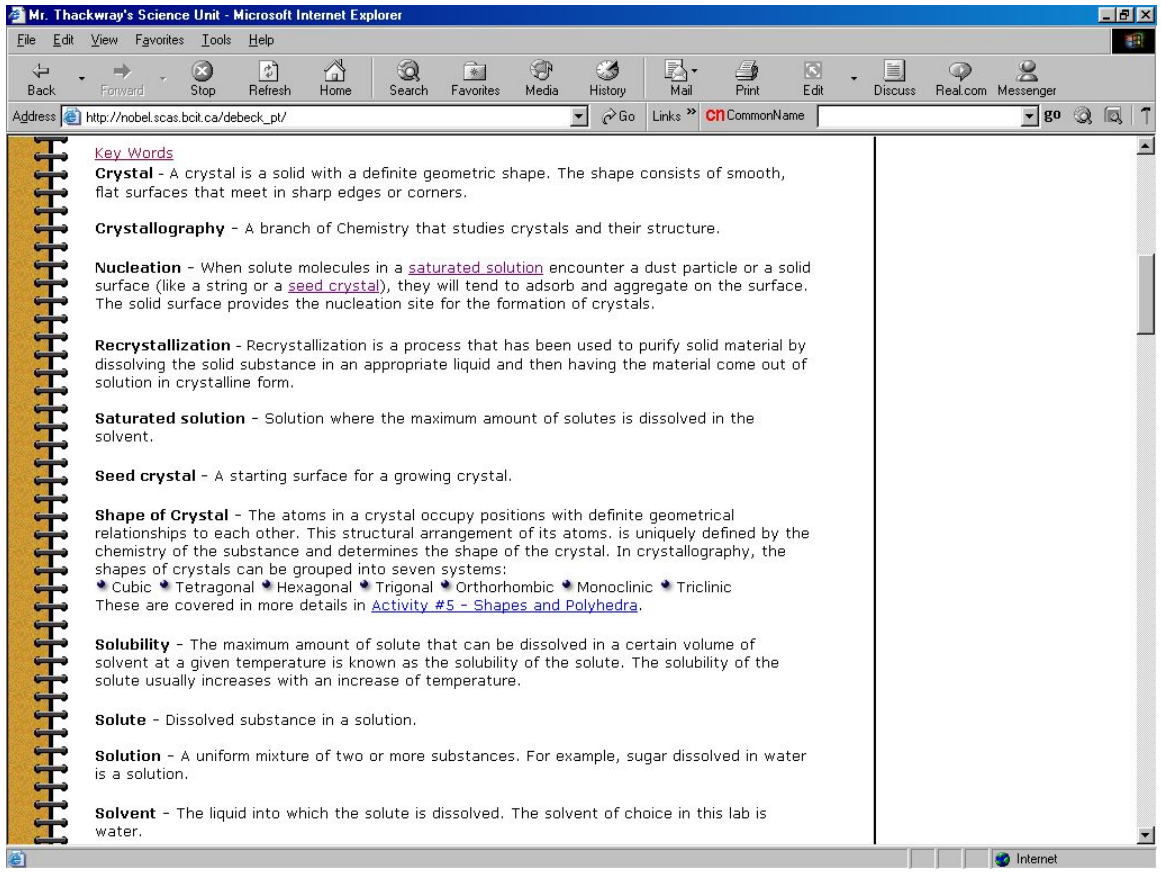




How can I do this?

## Key Words

- Provide important vocabulary. This will be a quick reference to assist with reading comprehension.





How can I do this?

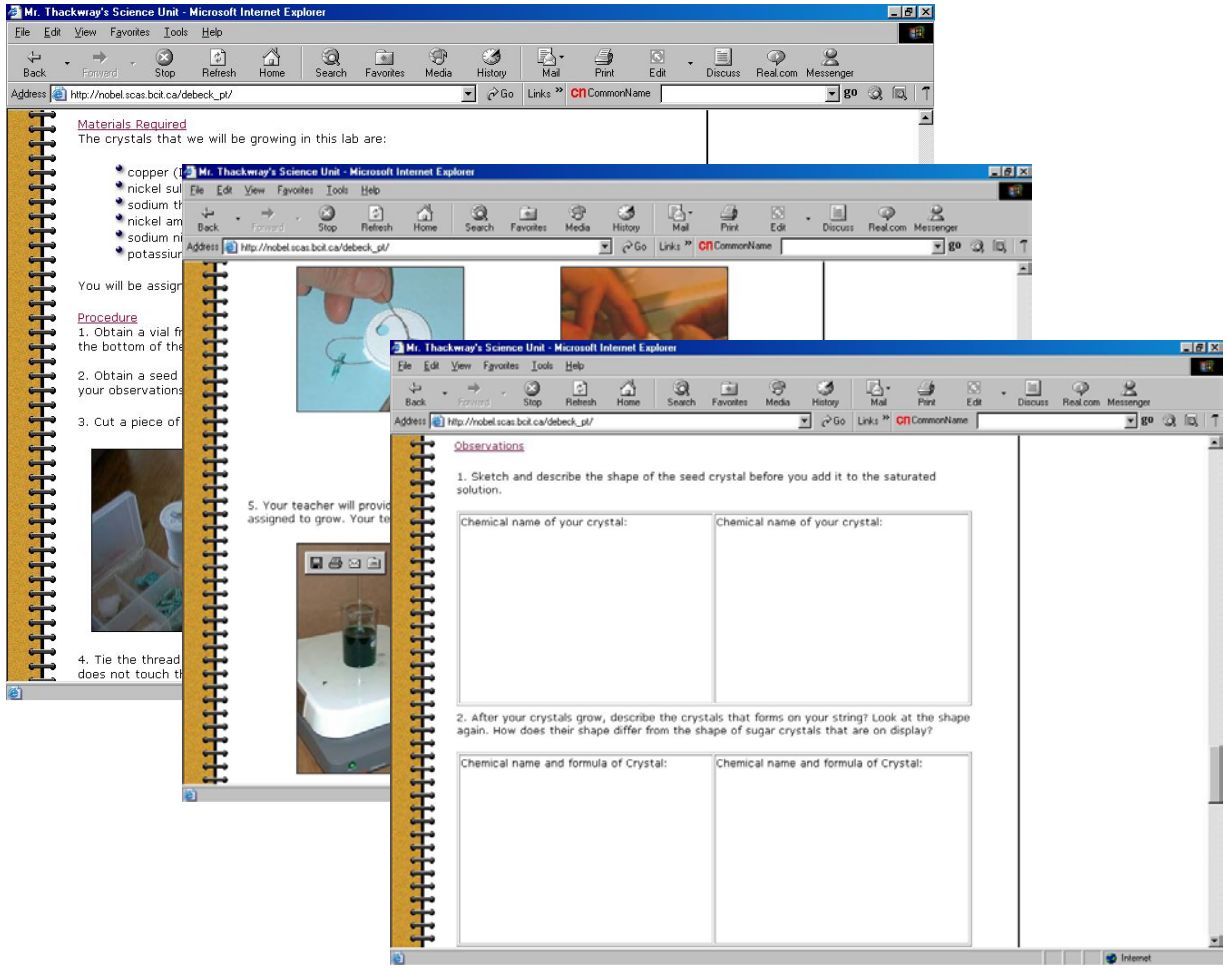
Materials Required

Procedures

Observations

Summary

- The basic components to this lesson. You may have handouts that include this information.



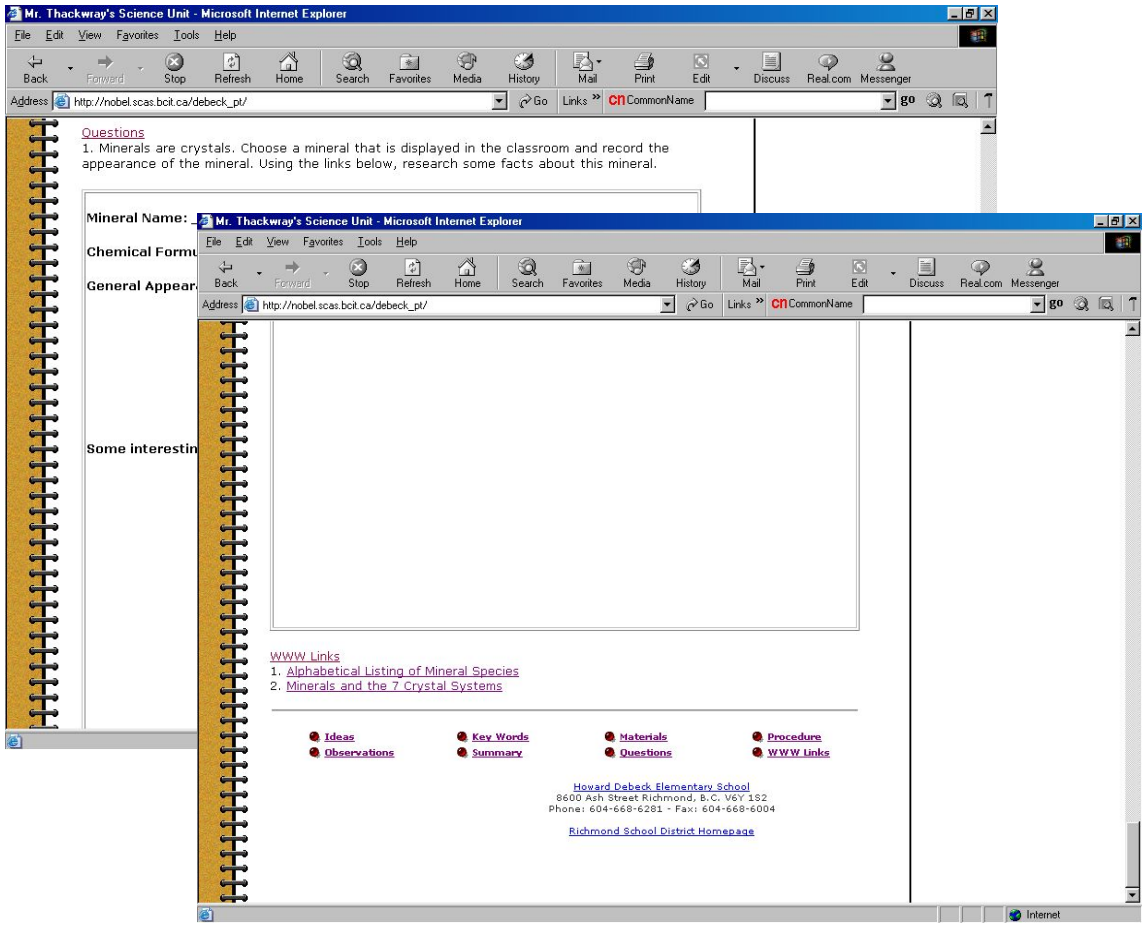


How can I do this?

Questions

WWW Links

- Perhaps, the most important part of the site/page. Here you challenge the students to research sites you have carefully selected, and respond to questions that reflect their understanding of the lesson objective.





## Conclusion

The important thing is to get started. There are many resources available to assist you with your web page development - just give it a try.