Tour of a Virtual Greenhouse

Part 4 – Inside the Greenhouse

Teacher/Presenter Notes

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| Slide/Image  Number | Image(s) | Teacher/Presenter Notes |
| 1 | Poinsettias in a greenhouse. | We are now going to look at some of the features that you would see if you were in a real greenhouse; this virtual tour will take you inside and introduce you to some of the key elements found in these structures which are so easily seen in the rural landscape. |
| 2 | Workers tending to gerberas inside a greenhouse. | Greenhouses have been in existence for almost 2 000 years; however, it is not until the last few years that greenhouses have become such important elements in the agricultural economy. Greenhouses are also used to grow vegetables for human consumption. The following images show various types of greenhouses and what the environment is like inside the greenhouses. |
| 3 | The “Eden Project” – a series of greenhouses in the United Kingdom where an exhausted clay pit was turned into a massive series of greenhouses with the largest artificial rainforest environment in the world. | Greenhouses come in all shapes and sizes, but most of the commercial greenhouses have many of the same characteristics. Some are extremely large.  This is the “Eden Project” – a series of greenhouses in the United Kingdom where an exhausted clay pit was turned into a massive series of greenhouses with the largest artificial rainforest environment in the world. |
| 4 | Small plastic greenhouse. | Others are quite small. |
| 5 | Inside a greenhouse, harvesting tomatoes. | Some greenhouses are used to grow vegetables like tomatoes, cucumbers and peppers. |
| 6 | Inside a large greenhouse. | And others grow flowers. |
| 7 | Similarities and Differences  The following 8 images show greenhouses growing  flowers and potted plants….  In chart form, list the things that are the same (they all show flowers or potted plants - look for other things that are the same…)  and the things that are different in these greenhouses |  |
| 8 | Inside greenhouse - alstromeria |  |
| 9 | Inside greenhouse showing big fans |  |
| 10 | Watering system |  |
| 11 | Inside large greenhouse |  |
| 12 | Split screen showing benches with potted plants |  |
| 13 | Small plastic greenhouse with dirt floor and mats |  |
| 14 | Outside view of greenhouse but can also see inside – ventilation shown as windows are open |  |
| 15 | Greenhouse with plastic hanging baskets, fans |  |
| 16 | Let’s look at these images again … in the same sequence … so that you can confirm your similarities and differences |  |
| 17 | The eight images are shown again … they will advance automatically |  |
| 18 | Summary of similarities and differences. Some of the similarities and differences are listed…but there are more for discussion | Most commercial operations (which are getting larger as is the case with most agricultural operations in Canada), have some form of high-tech equipment and/or robotics. |
| 19 | You can also expect that most of the commercial greenhouses in Canada will have the following …. |  |
| 20 | Working on cuttings | Mechanized or Robotic Operations |
| 21 | Portable shelving | Portable Shelving to take the product to retail outlets |
| 22 | Female worker in greenhouse | People working at essential jobs in the greenhouse |
| 23 | Female worker trimming plants | People working at essential jobs in the greenhouse |
| 24 | Workers packing boxes | People working at essential jobs in the greenhouse |
| 25 | Female worker on computer | Office staff in a variety of roles including taking orders, scheduling and tracking deliveries …… |
| 26 | Retail sales | Some even have a retail outlet with retail sales personnel; however, some of the operations only deal with sales to other retail outlets and do not sell to the general public. |
| 27 | Truck with plants | Delivery vehicles - And finally, from inside the greenhouse, the plants emerge to be delivered directly to customers, or, more likely, to stores (retailers) who will sell the flowers to consumers like you. |