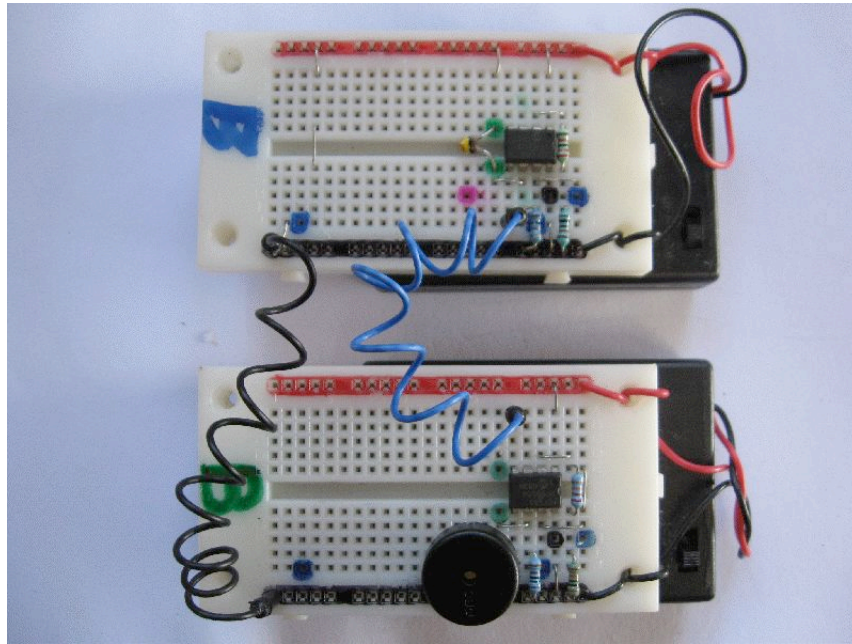# Ideas Generator ~ Serial Data

- Both picaxe have a common –ve (black wire
- A Blue wire connects pin 2 serout from the top picaxe to pin 3 serin on the bottom picaxe
- What else could be used in place of these wires that conducts electricity ?
  TRY IT !!! See how many ways you can transmit data around the room :)
- This is a very simple 1:1 serial data link. Picaxe have some very sophisticated command options in just one line of code using the 'serin delimiter' features. This allows a picaxe to broadcast to one:many or many:one using unique a Serin ID addressing protocol scheme
- Why is wire so much more stable than using a radio data link
- How could you make the system more predictable and reliable so that it rejects noise ?
- How could you detect errors in the data being transmitted. Devise a scheme
- The Serin command has a [timeout] option that can prevent the Serin command from stopping and 'hanging' the program until a valid command is received
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Need more ideas ? Examples ? Help ? Inspiration ?
- ALWAYS read and research Manual 2 in the Help Section of the picaxe programmer to get detailed examples, sample code and circuits of how to use the instructions used
- Refer to other Word.doc templates that use the above commands to extend these ideas
- Use the bright Sparks Forum to ask for further tips and ideas
- Test your thinking by SHARING your ideas with others. This often leads to a break though that will take your project to a new level :)