Study: Attitudes of tertiary students towards a group project in a science unit

1. Full name ____________________________________________

2. Gender  □ male  □ female

3. Age group  □ under 18  □ 18-25  □ 25-40
   □ 40-60  □ 60 and over

4. What course are you studying at UWA? ________________________________

5. What year of your studies are you in? ________________________________

6. Is this unit an elective or core unit of your course?  □ core  □ elective

7. Has your group chosen their topic for the assignment?  □ yes  □ no

   If yes, how would you describe your familiarity with your chosen science topic?

   1  2  3  4  5  

   low  medium  high

8. Based on your answer to Q7, how difficult do you think this assignment will be?

   1  2  3  4  5  

   easy  medium  hard

9. How would you describe your level of previous multimedia experience?

   1  2  3  4  5  

   none  medium  high
10. Based on your answer to Q9, how difficult do you think this assignment will be?

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<tbody>
<tr>
<td></td>
<td>easy</td>
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11. How would you describe your level of technology proficiency?

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<td>high</td>
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12. Based on your answer to Q11, how difficult do you think this assignment will be?

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<tr>
<td>easy</td>
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13. Do you understand the learning outcomes of the iMovie assignment?

☐ yes ☐ no ☐ partially

14. Do you feel that you have received sufficient direction for this assignment?

☐ yes ☐ no ☐ unsure

15. Do you prefer been given structured or unstructured assignment tasks?

☐ structured ☐ unstructured

16. How familiar are with you with the other members of your group for this assignment?

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<tr>
<td>unfamiliar</td>
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<td></td>
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<td>very familiar</td>
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17. What skills do you think you will contribute to the group in this assignment? (tick as many as required)

☐ organisational skills ☐ creativity ☐ software editing skills

☐ research ☐ leadership ☐ time management

☐ other (please describe) ________________________________
18. Do you think group work is an effective learning tool in science?

☐ yes  ☐ no  ☐ undecided

Why? ____________________________________________________________

19. Do you feel that you have sufficient skills and background knowledge to complete this assignment?

☐ yes  ☐ no  ☐ undecided

20. What would you rate as the three main objectives of this iMovie assignment?

☐ learning how to use iMovie  ☐ learning how to storyboard
☐ learning how to use a digital camera  ☐ learning how to research a scientific topic
☐ learning how to work in a group  ☐ learning to communicate science effectively
☐ learning to manage time effectively  ☐ identifying your personal strengths and weaknesses in a group environment
☐ learning to co-operate with other people
☐ other (please explain) ____________________________________________

21. How would you describe your level of interest in this project?

1 low  2  3  4  5 high

22. In terms of group work, what do you think will be the best strategy to complete this assignment? (you may tick more than one if required)

☐ dividing tasks evenly between group members
☐ each group member takes charge of a key aspect of the iMovie assignment
☐ group members work on all of the tasks together
☐ divide the tasks according to each member’s strengths and skills
☐ group members work individually on their tasks and only collaborate at the end
☐ group members work individually on their tasks, but meet regularly with other group members to update them and discuss progress
☐ other (please explain) ____________________________________________

23. On a scale of 1 to 5, how important do you think regular contact with your other group members will be to complete this assignment successfully?

1 low  2  3  4  5 very
24. What do you think some of the challenges in completing this group assignment might be?

__________________________________________________________________________
__________________________________________________________________________

Thank you for your participation

Appendix two: post-survey

Study: Attitudes of tertiary students towards a group project in a science unit

25. Full name

__________________________________________________________________________

26. Before starting the assignment, how familiar were you with your chosen science topic?

1 2 3 4 5
low high

27. Based on your answer to Q2, how difficult did you find this assignment?

1 2 3 4 5
easy hard

28. How did you describe your level of multimedia experience prior to starting this assignment?

1 2 3 4 5
none high

29. Based on your answer to Q4, how difficult did you find this assignment?

1 2 3 4 5
easy hard

30. How did you describe your level of technology proficiency prior to starting this assignment?

1 2 3 4 5
none high
31. Based on your answer to Q6, how difficult did you find this assignment?

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<tbody>
<tr>
<td>easy</td>
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<td>hard</td>
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32. Would you prefer to have been given more structure for this assignment?

☐ yes  ☐ no

33. Do you think the unstructured nature of the assignment influenced how your group operated?

☐ yes  ☐ no

If yes, how? _____________________________________________________________

34. What skills did you contribute to the group in this assignment? (tick as many as required)

☐ organisational skills  ☐ creativity  ☐ software editing skills

☐ research  ☐ leadership  ☐ time management

☐ other (please describe) ________________________________________________

35. Do you think group work is an effective learning tool in science?

☐ yes  ☐ no  ☐ undecided

Why? _________________________________________________________________

36. What are the three main things you learnt from this iMovie assignment?

☐ learning how to use iMovie  ☐ learning how to storyboard

☐ learning how to use a digital camera  ☐ learning how to research a scientific topic

☐ learning how to work in a group  ☐ learning to communicate science effectively

☐ learning to manage time effectively  ☐ identifying your personal strengths and weaknesses in a group environment

☐ learning to co-operate with other people  ☐ other (please explain) ____________________________________________
37. What strategy did your group use to complete this assignment? (you may tick more than one if required)

☐ dividing tasks evenly between group members
☐ each group member takes charge of a key aspect of the iMovie assignment
☐ group members work on all of the tasks together
☐ divide the tasks according to each member’s strengths and skills
☐ group members work individually on their tasks and only collaborate at the end
☐ group members work individually on their tasks, but meet regularly with other group members to update them and discuss progress
☐ other (please explain) ______________________________________________________

38. How much contact did you have with your other group members while completing this assignment?

☐ daily
☐ few times per week
☐ weekly
☐ fortnightly
☐ not at all

39. What were some of the challenges in completing this group assignment?

________________________________________________________________________

Thank you for your participation