

# 2018 VCE Physics Questionnaire

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Units 1 and 2 of the current study design for VCE Physics are accredited until 31 December 2020 and Units 3 and 4 are accredited until 2021. Units 1 and 2 of the study are scheduled for a review in 2019. As part of this review, the VCAA is monitoring the implementation of VCE Physics Units 1 to 4 in schools and collecting data to inform the review. To assist this process, the VCAA is conducting a questionnaire of practicing teachers and interested stakeholders.

In addition to this questionnaire, it is anticipated that teacher focus groups will be held to gather more information. Notification of focus groups will be via a Notice to Schools in addition to the Expression of Interest at the end of this questionnaire.

## Advice on completing this questionnaire

If you wish to comment about a particular unit of study, please indicate which unit you are referring to at the beginning of each response.

To move forward or backward through the questionnaire, use the **[NEXT]** and **[BACK]** buttons displayed in the bottom corners of each page.

Do not use the arrows in your web browser, this can exit you out of the response without saving.

This questionnaire can be completed at a later stage once commenced. To recommence the questionnaire, please ensure you:

- Use the **[NEXT]** button located in the bottom right hand corner to save entered information. -
- Use the same computer and web browser on which the questionnaire was commenced as a copy of your responses will have been saved.

In the event there are any technical issues, please contact [vcaa.vce.pd@edumail.vic.gov.au](mailto:vcaa.vce.pd@edumail.vic.gov.au). Generally, 'lost' responses are retrievable.

If you wish to prepare answers prior to commencing the online questionnaire (i.e. to avoid losing information if your internet connection drops out), please contact:

[vcaa.vce.pd@edumail.vic.gov.au](mailto:vcaa.vce.pd@edumail.vic.gov.au) to obtain a PDF version of the questionnaire.

**Please complete the online questionnaire by 2 November 2018**

### **VCAA Collection Notice**

The Victorian Curriculum and Assessment Authority (VCAA) is a statutory authority continued under the *Education and Training Reform Act 2006 (Vic)*. The VCAA collects the information requested on this form, which includes personal information within the meaning of the *Privacy and Data Protection Act 2014 (Vic)*, for the purpose of obtaining feedback on the current VCE Physics Study Design.

A third party collects the information requested on this form on behalf of the VCAA. If you complete the requested information on this form and click on Submit, your information will be transferred to the third party's servers and accessed, downloaded and deleted from there by the VCAA. Before deciding whether you wish to click on Submit, you can review the third party's privacy policy which is located at <https://www.qualtrics.com/privacy-statement/>. If you click on the link to the third party's Privacy Policy, you will leave the VCAA's website and be redirected to the third party's website.

The information collected in this form will be disclosed to and used by relevant VCAA employees and/or contractors in the VCAA Curriculum Division for and in connection with the abovementioned purpose. The personal information collected on this form will not otherwise be used or disclosed by the VCAA for any other purpose without your prior written consent or unless the VCAA is required or authorised to do so by law.

If you do not provide the requested personal information, the VCAA may not be able to contact you about participating in focus groups run by the VCAA regarding the VCE Physics Study Design.

You may request access to personal information the VCAA holds about you, if any, and request its correction if inaccurate. To do so, please contact VCE Curriculum on (03) 9032 1728. The VCAA Privacy Policy can be found at:

<http://www.vcaa.vic.edu.au/Pages/aboutus/policies/privacypolicy.aspx>

## Section A: Respondent information

**Question 1.** Response type (please choose one):

- Individual
- Subject association
- Faculty
- Interest group

**Question 2.** Please nominate your location:

- Metropolitan area
- Rural area
- Off-shore provider
- Not applicable

**Question 3.** School sector (if applicable):

- Government
  - Catholic
  - Independent
  - Adult
  - Not applicable
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**Question 4.** Please indicate which unit/unit(s) you teach/have taught from the VCE Physics Study Design 2016-2021 accreditation period (if applicable).

- Unit 1: What ideas explain the physical world?
- Unit 2: What do experiments reveal about the physical world?
- Unit 3: How do fields explain motion and electricity?
- Unit 4: How can two contradictory models explain both light and matter?
- Not applicable

**Question 5.** How long have you been teaching VCE Physics?

- First year
- 2-5 years
- 6-10 years
- More than 10 years
- Not applicable

### Section B: General comments about the study design

**Question 6.** Please rate the extent to which the Victorian Curriculum F-10 Science provides a progression of learning in scientific knowledge, concepts and skills for VCE Physics.

Low					High
1	2	3	4	5	

Comment

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**Question 7.** A set of key science skills specific to VCE Physics have been elaborated on pages 11 and 12 of the VCE Physics Study Design 2016-2021. To what extent are these appropriate?

Highly inappropriate

Highly appropriate

1                      2                      3                      4                      5

Comment

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**Question 8.** A student-designed investigation was introduced in the VCE Physics Study Design 2016-2021 as an Area of Study in Unit 4, to be undertaken at any point across Units 3 and 4. To what extent is this an appropriate inclusion in the study design?

Highly inappropriate

Highly appropriate

1                      2                      3                      4                      5

Comment

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**Question 9.** To what extent is the content of the VCE Physics Study Design 2016-2021 representative of the field of Physics?

Low

High

1

2

3

4

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Comment

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**Question 10.** How would you rate the VCE Physics Study Design 2016-2021 in terms of being a contemporary Physics curriculum appropriate at this level?

Low

High

1

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3

4

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Comment

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**Question 11.** What have you liked about the current VCE Physics Study Design 2016-2021?

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**Question 12.** What would be the most important component of the current Study Design to keep? Why?

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**Question 13.** What would you like to see changed in the current Study Design? Why?

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**Question 14.** Are there any parts of the current Study Design that are unclear or ambiguous?

- Yes
- No

If you answered 'yes', please clearly identify which parts, and explain WHY/HOW they need attention.

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**Question 15.** An important aspect of the VCE Study Review process is to ensure that the study covers appropriate topics of study.

Are there any topics that you believe can, and should, be included for consideration in the review of the study? (Please be specific with your suggestions and briefly explain WHY each suggestion should be included).

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**Question 16.** Does the VCE Physics Study Design cater for a range of student abilities?

Yes

No

Please comment

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**Question 17.** The 'VCE Physics Advice for teachers' is designed to assist teachers in their planning and delivery of VCE Physics courses.

How would you rate the usefulness of this resource?

Not at all useful	Slightly useful	Moderately useful	Very useful	Extremely useful
1	2	3	4	5

Please comment

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**Question 18.** How would you rate the **student** workload required by the VCE Physics Study Design? For example, is what is covered, assessed and expected of students, fair and reasonable?

Low Workload					High Workload
1	2	3	4	5	

Comment

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**Question 19.** How would you rate the **teacher** workload required by the VCE Physics Study Design?

Low Workload

High Workload

1

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4

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Comment

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### Section C: Specific feedback for Units 1 to 4

**Question 20.** Please comment on each of the Units in the VCE Physics Study Design:

**Unit 1: What ideas explain the physical world?**

What are the strengths of this Unit?

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What areas could be improved?

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**Unit 2: What do experiments reveal about the physical world?**

What are the strengths of this Unit?

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What areas could be improved?

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**Unit 3: How do fields explain motion and electricity?**

What are the strengths of this Unit?

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What areas could be improved?

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**Unit 4: How can two contradictory models explain both light and matter?**

What are the strengths of this Unit?

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What areas could be improved?

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**Question 21.** Please identify any other strengths of the current VCE Physics Study Design 2016-2021.

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**Question 22.** Please identify any other issues/concerns related to the current VCE Physics Study Design 2016-2021.

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## Section D: Unit 3 and Unit 4 Assessment

**Question 23.** Teachers should use a variety of learning activities and assessment tasks that provide a range of opportunities for students to demonstrate the key knowledge and key skills in the outcomes.

To what extent do the types of assessment tasks across Units 3 and 4 enable students to demonstrate a range of knowledge and skills?

Not at all well		Moderately well		Extremely well
1	2	3	4	5

Please provide an explanation for your answer above.

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**Question 24.** Are the weightings of each Outcome in Units 3 and 4 appropriate?

- Yes
- No
- Partially

Please provide an explanation for your answer above.

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**Question 25.** Please list other types of assessment tasks that could be used in VCE Physics.

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**Section E: Expression of interest - Focus group of practicing teachers**

If you are a current VCE Physics teacher, would you like to participate in a focus group?

- Yes
- No

If yes, please provide us with your contact details:

- Name \_\_\_\_\_
- School/Institution \_\_\_\_\_
- Role \_\_\_\_\_
- Phone \_\_\_\_\_
- Email \_\_\_\_\_

