

# PHYSICS

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## Cambridge International Advanced Subsidiary and Advanced Level

Grade thresholds taken for Syllabus 9702 (Physics) in the October/November 2013 examination.

	maximum mark available	minimum mark required for grade:		
		A	B	E
Component 11	40	28	24	16
Component 12	40	28	24	16
Component 13	40	29	26	18
Component 21	60	33	27	16
Component 22	60	33	27	16
Component 23	60	39	34	21
Component 31	40	31	29	22
Component 33	40	31	29	22
Component 34	40	33	31	23
Component 35	40	31	29	23
Component 36	40	32	30	24
Component 41	100	55	45	19
Component 42	100	55	45	19
Component 43	100	62	52	19
Component 51	30	21	19	12
Component 52	30	21	19	12
Component 53	30	24	21	14

The thresholds (minimum marks) for Grades C and D are normally set by dividing the mark range between the B and the E thresholds into three. For example, if the difference between the B and the E threshold is 24 marks, the C threshold is set 8 marks below the B threshold and the D threshold is set another 8 marks down. If dividing the interval by three results in a fraction of a mark, then the threshold is normally rounded down.

The thresholds for the **syllabus** are determined first by adding together the thresholds for the components taken by the candidate. A reduction may be made at the higher grades depending on the correlation of the papers. If the maximum raw marks for the components are not in the weighting/relationship specified in the syllabus, a weighting is applied to arrive at the overall thresholds. The A\* threshold is calculated using the difference between A and B as a starting point.

For AS Level components, small adjustments may be made to the marks awarded for some versions of the paper in order to neutralise any differences in the difficulty of the different versions and so make sure that all candidates face an equal demand.

The maximum total mark for this syllabus is **260** for A Level and **130** for AS Level.

For this syllabus in this series the grade thresholds were as follows:

Option	Combination of components	A*	A	B	C	D	E
AX AY EY	11, 21, 31, 41, 51 12, 22, 33, 42, 52 12, 22, 34, 42, 52	<b>177</b>	<b>156</b>	<b>135</b>	<b>116</b>	<b>98</b>	<b>80</b>
AZ EZ	13, 23, 35, 43, 53 13, 23, 36, 43, 53	<b>188</b>	<b>166</b>	<b>144</b>	<b>123</b>	<b>102</b>	<b>82</b>
BX BY	41, 51 and AS from last June 42, 52 and AS from last June	<b>180</b>	<b>161</b>	<b>142</b>	<b>120</b>	<b>99</b>	<b>78</b>
BZ	43, 53 and AS from last June	<b>191</b>	<b>171</b>	<b>151</b>	<b>127</b>	<b>103</b>	<b>80</b>
CX CY	41, 51 and AS from last Nov. 42, 52 and AS from last Nov.	<b>174</b>	<b>154</b>	<b>134</b>	<b>115</b>	<b>96</b>	<b>77</b>
CZ	43, 53 and AS from last Nov.	<b>185</b>	<b>164</b>	<b>143</b>	<b>121</b>	<b>100</b>	<b>79</b>
S1 S3 S4 S5 S6	AS Level		<b>82</b>	<b>72</b>	<b>64</b>	<b>56</b>	<b>49</b>

Grade Thresholds are published for all Cambridge International AS/A Level and Cambridge IGCSE subjects where a corresponding mark scheme is available.