

11th Grade Lie Detector Project Rubric

Criteria	5 - Excellent	4 - Proficient	3 - Satisfactory	2 - Needs Improvement	1 - Unsatisfactory
Understanding of Physical Response to Lying	Demonstrates deep understanding of how the human body physically responds to lying with clear, accurate explanations.	Shows good understanding of bodily responses to lying with mostly accurate explanations.	Provides a basic understanding of bodily responses to lying but lacks some clarity or detail.	Shows limited understanding of bodily responses to lying; explanations are unclear or incomplete.	Does not demonstrate understanding of bodily responses to lying.
Microbit Programming to Read GSR and Pulse	Program accurately reads and displays galvanic skin response and pulse consistently and correctly.	Program reads and displays GSR and pulse with minor errors or inconsistencies.	Program reads either GSR or pulse with some errors; partial display output.	Program attempts to read GSR and pulse but contains significant errors or does not display results clearly.	Program does not read or display GSR or pulse measurements.
Identification of Lying Indicators	Correctly identifies pulse and GSR patterns that suggest lying with clear, insightful reasoning.	Identifies lying indicators with mostly accurate reasoning.	Identifies some lying indicators but explanations are incomplete or unclear.	Shows limited ability to identify lying indicators; reasoning is weak or inaccurate.	Fails to identify lying indicators or provides incorrect reasoning.

Ethical Considerations Discussion	Provides a thorough, thoughtful discussion of ethical issues related to lie detection technology and its use.	Discusses ethical considerations well with minor omissions or generalizations.	Provides a basic discussion of ethics but lacks depth or examples.	Mentions ethical issues superficially with little understanding.	Does not address ethical considerations or discussion is irrelevant/inaccurate.
User-Centered Design	Project clearly reflects careful consideration of user needs with intuitive design and explanation.	Design shows good consideration of user needs with mostly clear explanation.	Design shows some consideration of user needs but lacks clarity or detail.	Limited consideration of user needs; design is not user-friendly or explained poorly.	No consideration of user needs evident; design is confusing or unusable.