

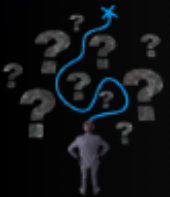
INTERDISCIPLINARY RESEARCH

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1. DEFINE THE PROBLEM

IN THIS STEP WE IDENTIFY THE PROBLEM AT HAND AND WE COME UP WITH A QUESTION THAT WILL REQUIRE AN INTERDISCIPLINARY APPROACH. A QUESTION THAT CANNOT MEET RESOLVE FROM ONE DISCIPLINE ALONE.

HOW CAN CHILDREN IN GRADES K-12 MOST EFFECTIVELY BUILD LONG-TERM CYBERSECURITY AWARENESS IN THE AGE OF TECHNOLOGY?



2. JUSTIFY AN INTERDISCIPLINARY APPROACH

JUSTIFY
JUSTIFY

HERE, JUSTIFICATION FOR USING AN INTERDISCIPLINARY APPROACH AND SHOWING HOW ONE DISCIPLINE ALONE IS NOT CAPABLE OF SOLVING THE PROBLEM TAKES PLACE. THE PROBLEM MUST BE COMPLEX.



3. IDENTIFY RELEVANT DISCIPLINES

IN STEP THREE, ALL RELEVANT DISCIPLINES THAT ARE REQUIRED TO COME UP WITH A SOLUTION AND HAVE RELEVANT RESEARCH AND PERSPECTIVES ARE IDENTIFIED AND CHOSEN.

4. CONDUCT THE LITERATURE SEARCH

RESEARCH PAST STUDIES AND HISTORICAL BACKGROUND ON THE PROBLEM AND HOW /WHAT DIFFERENT DISCIPLINES HAVE CONTRIBUTED OR PUBLISHED.



5. DEVELOP ADEQUACY IN EACH RELEVANT DISCIPLINE

BUILD FAMILIARITY AND UNDERSTANDING OF EACH DISCIPLINE. EACH DISCIPLINE HAS ITS OWN DEFINING ELEMENTS THAT MAKES IT UNIQUE FROM OTHER DISCIPLINES (REPKO-SZOSTAK, 2021, P. 4).



6. ANALYZE THE PROBLEM AND EVALUATE EACH INSIGHT OR THEORY

HERE, DETERMINE HOW THE RESEARCH AND FINDINGS ARE RELEVANT TO THE PROBLEM AND LOOK AT THE INSIGHTS FROM THE PERSPECTIVE OF EACH DISCIPLINE.



7. IDENTIFY CONFLICTS BETWEEN INSIGHTS AND THEIR SOURCES

IDENTIFY CONFLICTING INSIGHTS AND PERSPECTIVES BETWEEN THE RELEVANT DISCIPLINES. THE MOST COMMON CONFLICTS ARE CONCEPTS, THEORIES, AND ASSUMPTIONS (REPKO-SZOSTAK, 2021, P. 248).



8. CREATE COMMON GROUND BETWEEN INSIGHTS

UNDERSTAND AND IDENTIFY HOW THE DIFFERENT DISCIPLINES OVERLAP /AGREE AND THEIR APPLICABILITY.



9. CONSTRUCT A MORE COMPREHENSIVE UNDERSTANDING

EXPLAIN HOW EVERYTHING FROM STEP 8 WAS INTEGRATED AND CONSTRUCT MORE COMPREHENSIVE THEORIES AND CONCEPTS

deepen understanding

10. REFLECT ON, TEST, AND COMMUNICATE THE UNDERSTANDING

INTEGRATE AND IMPLEMENT EVERYTHING FROM PREVIOUS STEPS TO EXPLAIN AND SHOW HOW THEY HAVE FORMULATED A NEW APPROACH TO SOLVE THE ORIGINAL PROBLEM /QUESTION

