

Why CCE?

- Climate Change education is important for a number of reasons. Three key reasons are:
 - Relevance change is here in PICs and in many instances we can visibly and physically see the changes happening around us
 - Life-skills students need to learn the lifeskills required for survival in their island homes in order to build resilience
 - Climate change impacts on all spheres of life – not just environment and both teachers and students need to be made aware of this



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Challenges to CCE

A serious obstacle for learning and teaching about climate change in schools is that, across the disciplines, teachers tend to hold back from presenting it as a contested issue, awash with conflicting positions and controversy. The dominant approach is a teacher-centered one involving lectures from the front of the class in which a body of orthodox knowledge (i.e. facts around which there is a reasonable level of consensus) is presented. Such an approach stifles dialogue, offering no useful process through which students can jointly work through their own misconceptions (and, hence, internalize their re-learning). It also denies students the opportunity to develop enquiry skills and hone their critical thinking around the issue by being confronted by conflicting and often controversial arguments (McBean & Hengeveld, 2000, 22-3). (Cited in Selby 2012, p4).

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LECCE ONLY about Environment Education 2

NO

- Predominant approach to CCE and ESD is an over-emphasis on Environment Education (EE) and on science:
- This approach is:
- (a) a compartmentalized western approach;
- (b) an injustice to students; and
- (c) does not provide holistic learning opportunities essential for **behavior change** education

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So, how should us teach CCE?



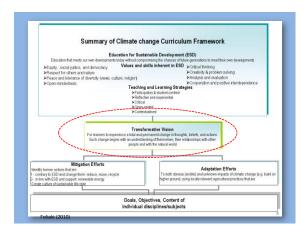
- Advocating the integrated, across-thecurriculum approach
- Why?
- (a) It is holistic
- (b) Students are able to connect the dots between reality and the multifaceted dimensions of their lived realities; and
- (c) Provides for creative and critical thinking necessary for higher order thinking;
- (d) Leads to rethinking prior knowledge, worldviews, attitudes, values and beliefs i.e. for Behavior Change

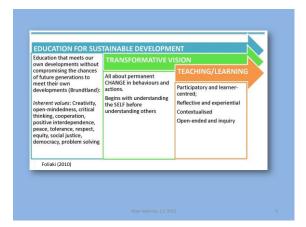
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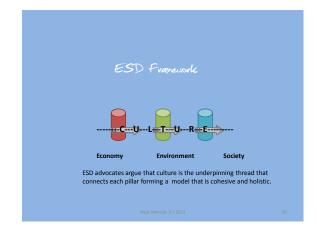
How do we apply the intervated approach to CCE?

- Foliaki (2010) proposes a CC Curriculum Change framework to CCE.
- Premised on ESD with a transformative curriculum goal
- Links well with the vision of developing critical masses or conscientization (Friere, 1970) with a view towards emancipatory social change
- At the core: CC is about people in relationship with the environment
- How do we teach this? Across-the-curriculum. i.e. linking between subject areas (multi-disciplinary approach) rather than a pure scientific
- Why? Values education i.e. to bring about significant changes in attitudes and behavior requires a humanistic approach that connects people and draws on the human experience (incl. emotion)
- Importance of prioritizing "learning experiences" rather than rotelearning (lower-order thinking/ technical knowing)
- Moving from technical knowing through hermeneutic (communicative) knowing to critical knowing (high order thinking)

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• Ecological – emphasis on the environment • Social – how does CCE impact on human societies? • Cultural – what is its impact on cultural practice? • Economic – how does it affect the economy? • Political – how will it affect political decisions? • Spiritual – examining notions of connectedness through both IKS and faith-based religious affiliations If we are encouraging a holistic learning experienc then we need to think about all six dimensions and how they interconnect through and across traditional subject despine areas e.g. Sciences, Social Sciences, Matural Sciences etc.

