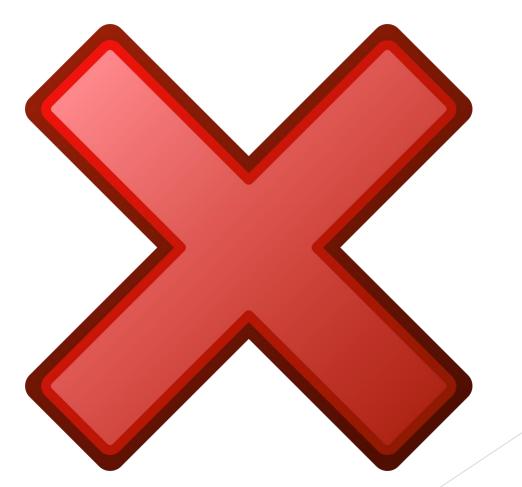
The role of a

STEAM Coordinator

I. Ho

How to select the Right person to be the STEAM Co?

- Passionate
- Inclusive
- Optimistic
- Outgoing
- Innovative
- Decisive
- Resourceful
- Committed
- Empathetic
- knowledgeable



How to select the Right person to be the STEAM Co?

By Convenience



STEAM FOR FAD (流行/熱潮)

Student

- ► FUN 趣味化
- ► ALL 普及化
- ▶ DIVERSITY 多元化

https://stem.edb.hkedcity.net/en/about-steam/

Teacher (STEAM Coordinator)

- ► FUN 趣味化
- ► ALL 普及化
- ▶ DIVERSITY 多元化





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1) Developing <u>innovative learning and teaching methods</u>, materials, curricula, and activities to meet the needs of students:

The STEAM Coordinator is responsible for

- creating engaging and effective approaches to teaching STEAM subjects,
- incorporating hands-on activities, projects,
- and real-world applications.

2) Providing an <u>authentic environment</u> for children to learn STEAM <u>Attitude</u>, <u>knowledge</u>, <u>and Skills</u>, and develop their <u>confidence</u> to solve daily life problems:

The Coordinator creates

- an environment that encourages students to explore and experiment with STEAM concepts,
- fostering their problem-solving skills and
- promoting a growth mindset.

3) Providing opportunities for students to have <u>AI hands-on</u> <u>experience</u> through a range of different experiences and activities:

The Coordinator organizes

- various AI-related activities, workshops, and projects that
- ► allow students to gain practical experience with artificial intelligence technologies.

4) <u>Promoting</u> the professional development of STEAM teachers:

The Coordinator actively

- seeks out professional development opportunities for STEAM teachers, such as attending STEAM events organized by the Education Bureau (EDB), universities, and AI companies.
- ► They also encourage teachers to
- share best practices and
- collaborate through seminars, workshops, and networking activities.

5) <u>Disseminating</u> good practice in STEAM learning and teaching:

The Coordinator shares

➤ successful STEAM teaching strategies and approaches with other teachers through teacher development programs, seminars, workshops, and networking activities in his/her school.

6) <u>Collaborating</u> with teachers from <u>other disciplines</u> on activities outside the classroom:

The Coordinator works

- with teachers from different disciplines to organize school-wide activities like assemblies, STEAM weeks, inter-class STEAM competitions, and
- ▶ join inter-school competitions to promote interdisciplinary learning and collaboration.

7) <u>Leading and assisting</u> subordinates in operating STEAM-based activities:

The Coordinator

- supports and guides teachers in planning and
- ▶ implementing STEAM activities, ranging from Aldriven events like drones dance, Al chess competitions, and 3-D dessert printing competitions to international food festivals that incorporate STEAM elements.

8) <u>Liaising with outside STEAM</u> coordinators:

The Coordinator establishes connections and

maintains communication with STEAM coordinators from other schools or educational institutions to share ideas, resources, and collaborate on joint initiatives.

9) Coordinating and collaborating with different subjects:

The Coordinator works

- ► closely with teachers from various subjects to integrate STEAM resources and concepts into their respective curricula,
- promoting cross-curricular connections and interdisciplinary learning.

10) Leading the STEAM team in <u>designing</u> and implementing the curriculum:

The Coordinator takes

- a leadership role in developing the STEAM curriculum,
- ensuring alignment with educational standards and promoting feasible and innovative teaching practices.

11) Integrating different <u>school</u> resources and external grants:

The Coordinator identifies and

► utilizes available resources, such as grants and funding from the Lifewide Learning grant (LWLG) or Diversity Learning grants (DLG), to support and enhance STEAM activities within the school.

12) Applying for external resources:

The Coordinator actively

► seeks and applies for external resources, such as grants from the Quality Education Fund (QEF), VQ Foundation Ltd, Science Museum, EDB, and tertiary education sectors, to further enhance STEAM education initiatives.

13) <u>Participating</u> in interschool/international <u>competitions</u>:

The Coordinator encourages students to

- participate in prestigious competitions like the Intel International Science and Engineering Fair,
- providing guidance and support throughout the competition process.

14) <u>Keeping updated information and delivering it to subordinates:</u>

The Coordinator stays abreast of the

- ► latest developments in STEAM education, Al technologies, and related fields, and
- shares relevant information, updates, and resources with teachers under their supervision.

STEAM Co - ABCDE

