

# The role of a STEAM Coordinator

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# 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

# 2x2 Matrix Theory



有力無心

有心有力

無心無力

有心無力

心



1) Developing innovative learning and teaching methods, 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 authentic environment for children to learn STEAM Attitude, knowledge, and Skills, and develop their confidence 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 AI hands-on experience 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) Promoting 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) Disseminating 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) Collaborating with teachers from other disciplines 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) Leading and assisting subordinates in operating STEAM-based activities:

### *The Coordinator*

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

## 8) Liaising with outside STEAM 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 designing 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 school resources and external grants:

The Coordinator *identifies* and

► *utilizes* available resources, such as grants and funding from the Life-wide 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) Participating in inter-school/international competitions:

*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) Keeping updated information and delivering it to subordinates:

*The Coordinator stays abreast of the*

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

# STEAM Co - A B C D E

S- Success

T- Team spirit

E- Enjoyment

A- Achievement

M- Marvelous

Observable



A - Attitude

B- Belief C- Connection

D- Diligence

E- Empathy

Non-observable

Thank  
You!