HABITAT SCHOOL
AL JURF, AJMAN

THINKATHON 2026-27
Science and Math Fair (Grades 5 to 12)

Circular No: HB/AC/25-26/32 **Dated: 22/05/2026**

Dear Parent,
Greetings!

We are delighted to announce the upcoming **THINKATHON 2026-27 – Science & Math Fair** for students of Grades 5 to 12. This exciting platform is designed to spark curiosity, inspire innovation and nurture critical thinking among young minds. This platform offers students a wonderful opportunity to explore, create, and showcase their talents and ideas in Mathematics and Science.

➔ Date: 10th June 2026
➔ Time: During School Hours

CATEGORY	GRADES	EVENTS
CATEGORY 1	Grade 5 & 6	QUIZ (SCIENCE & MATH)
		STILL MODEL MATH
		STILL MODEL SCIENCE
		SUDOKU
CATEGORY 2	Grade 7 & 8	WORKING MODEL MATH
		WORKING MODEL SCIENCE
		QUIZ (SCIENCE & MATH)
		SUDOKU
CATEGORY 3	Grade 9 & 10	SCIENCE TALK
		WORKING MODEL MATH
		WORKING MODEL SCIENCE
		QUIZ (SCIENCE & MATH)
CATEGORY 4	Grade 11 & 12	SCIENCE TALK
		QUIZ (SCIENCE & MATH)
		WORKING MODEL MATH
		WORKING MODEL SCIENCE

Note:

1. Interested students are requested to register their names with the class teacher. The last date of submission of Still and Working models is 3rd June 2026.
2. Selection for the Math and Science Quiz has been completed by the respective subject teachers.
3. A student can participate in only one event from Categories 1, 2, and 3.
4. In Category 4, a student may participate in a maximum of two events.
5. **Refer Page No 2 to 6 for guidelines**
6. We encourage all students to participate and showcase their skills in the Quiz, Still as well as Working Models of Science and Maths, Sudoku and Science Talk.

This is a wonderful opportunity to challenge yourself, explore your interests and compete with your peers. Let's make this event a great success with your enthusiastic participation.



Principal
Bala Reddy Ambati

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Guidelines for Working Model - Science (Category 2, 3 &4)

Prepare a Working Model based on **any one** of the following topics.

Science and Technology
- Smart Solutions for Tomorrow
- Innovation in Action

Space Science
- Explore the Journey Beyond Earth

Health Science
- Innovation for a Healthier Future

Environment & Sustainability
- Innovation for a Greener Future

The model should demonstrate a scientific concept or real-life application through a functional or interactive setup. Students are encouraged to use creative, eco-friendly and easily available materials wherever possible.

Instructions
- A maximum of 3 students is allowed in one team.
- Students must give a brief presentation and explanation of the model. Each member of the group must participate in the explanation.
- The working model should be neat, functional, and scientifically relevant.
- Charts, labels, and demonstrations may be included to support the explanation.
- Presentation time: Maximum 3-5 minutes.

Rubrics for Assessment

1. Scientific Concept & Accuracy
2. Creativity & Innovation
3. Working Functionality/Demonstration
4. Presentation & Explanation Skills

Guidelines for Working Model - Mathematics

Themes for the working model

➔ Category 2 (Grades 7,8) - Math in Motion
➔ Category 3 (Grades 9,10) - Architecture through Mathematics
➔ Category 4 (Grades 11,12) - Mathnovation

General Instruction for Participants

- Participants may compete in teams of 3 students.
- Models must be original and student-made.
- Working/mechanical/digital components should function properly during presentation.
- Students must explain: Mathematical concept used, the real-life application, working process and innovation involved.
- Display charts, formulas, diagrams, or digital presentations may be used.
- Presentation Time : Grade 7 - 8 : 3-5 minutes

  Grade 9 -10: 5-7 minutes

  Grade 11-12: 7 - 10 minutes

Guidelines for Still Model - Science

Category 1

- ➔ Prepare a Still Model based on **Innovation for a Greener Future.**
- ➔ The model should represent a scientific concept, structure, system, or process in a non-working but clear visual form.

Instructions

- Individual participation (only 1 student per model).
- Use neat labeling, diagrams, and visual representation to support understanding.
- Use eco-friendly and easily available materials.
- The model should be well-organized, neat and scientifically accurate.
- Students must give a short presentation and explanation (2–3 minutes).

Rubrics for Assessment (4 Criteria)

1. Scientific Accuracy & Understanding
2. Creativity & Presentation of the Model
3. Clarity of Labels & Visual Representation
4. Communication & Explanation Skills

Guidelines for Still Model - Mathematics

Category 1 (Grades 5 & 6) - Math for sustainable living

Instructions

- Individual participation (only 1 student per model).
- Use neat labeling, diagrams, and visual representation to support understanding.
- Use eco-friendly and easily available materials.
- The model should be well-organized and neat.
- Students must give a short presentation and explanation (2–3 minutes).

Instructions for Science Talk

Participants may choose any one topic suitable to their interest and prepare a presentation (verbal) of not more than 6 minutes.

Topics For Science Talk

Category 3

- Can Artificial Intelligence Replace Human Scientists?
- The Hidden Physics in Sports
- How Stress Affects the Brain and Body
- How Chemistry Fights Pollution
- Can Biotechnology End Genetic Disease?

Category 4

- Can Biotechnology End Genetic Disease?
- The Science of Cloning
- Carbon Capture Technology and Climate Change
- Green Chemistry and Sustainable Industries
- Can Artificial Intelligence Replace Human Scientists?

The presentation should aim to explain a scientific concept, issue, discovery, experiment, or innovation to the audience in an engaging, informative and easily understandable manner.

Verbal presentation must include three parts

- The Hook- A mind-bending question
- The Core Science: Explanation of scientific concepts in a simple and understandable way
- The Impact: Explain why this matters to the everyday life of the audience

Rubrics for Assessment

1. Engaging Introduction
2. Scientific Understanding
3. Real World Connection
4. Presentation and delivery
5. Creativity and critical thinking

Guidelines for Math Sudoku Competition

Category	Grades	Grid type
Category 1	5 & 6	4x4 / Easy 6x6
Category 2	7 & 8	9x9 Easy - Medium

Participation Guidelines

General Rules

1. Each participant must register before the competition.
2. Participants should report to the venue 15 minutes before the event.
3. Only the provided question paper and answer sheet may be used.
4. Use of calculators, mobile phones, smart watches, or electronic gadgets is strictly prohibited.
5. Participants must use only pencils/pens as instructed by coordinators.
6. Any unfair means or copying will lead to immediate disqualification.
7. Participants should maintain silence and discipline throughout the competition.
8. Once the competition starts, no extra time will be given for late arrivals.
9. Decisions of the judges/coordinators will be final.

Rubrics for Assessment

- Accuracy
- Completion
- Time management